Finance and Performance Committee Meeting

Wed 20 September 2023, 14:00 - 16:00

Agenda

14:00 - 14:10 1. Standing Items

10 min

1.1. Welcome and Introductions

John Union

1.2. Apologies for Absence

John Union

1.3. Declarations of Interest

John Union

1.4. Minutes from the Finance and Performance Committee meeting – 23 August 2023

John Union

1.4 Public Finance & Performance Minutes Aug.pdf (5 pages)

1.5. Action log following the Finance and Performance Committee meeting held on 23 August 2023

John Union

1.5 Public Finance and Performance Action Log.pdf (2 pages)

1.6. Chair's Actions since previous meeting

John Union

14:10 - 15:15 2. Items for Review and Assurance

65 min

2.1. Financial Report - Month 5

Catherine Phillips Robert Mahoney

2.1 Public Finance Committee SUMMARY Finance Position Report for Month 5.pdf (13 pages)

2.2. Operational Performance

Paul Bostock



2.2.1. Operational Performance Report

2.2a Operational Performance report cover paper - Finance and Performance Committee Sept 23.pdf (3 pages) 2.2a. Integrated Performance Report - Finance and Performance Sept 2023.pdf (30 pages)

2.2.2. Deep Dive Orthopedics Waiting Lists

2.2b Deep dive Orthopaedics waiting lists cover paper- Finance and Performance Committee Sept 23.pdf (4 pages)

2.2.3. Operational Winter Plan

- 2.2c Winter Plan Cover Paper F&P.pdf (4 pages)
- 2.2c. Winter Plan F&P 20th September 2023.pdf (19 pages)

2.3. Regional Integration Funds Quartley Reports

Abigail Harris / Cath Doman

- 2.3 RIF Q1 Report 2023-24.pdf (3 pages)
- 2.3a RIF CARDIFF VALE Q1 sheet WG V2.pdf (5 pages)
- 2.3b RIF summaries Q1 23-24.pdf (14 pages)

2.4. Decarbonisation Update

Abigail Harris/ Ed Hunt

2.4.1. Progress against Decarbonisation Action Plan – Q2

- 2.4a Paper 1 Q2 Decarbonisation Action Plan progress Finance and Performance Committee.pdf (3 pages)
- 2.4a Q1 reporting spreadsheet.pdf (1 pages)

2.4.2. Emissions reporting 2022-23

- 2.4b Emission reporting 2022-23 Finance and Performance Committee.pdf (3 pages)
- 2.4b. Doc 2 Net Zero Carbon reporting 2022-23 CAVUHB.pdf (17 pages)

2.4.3. NWSSP Decarbonisation Co-ordination Reporting

- 2.4c NWSSP Decarbonisation Co-ordination Reporting paper Finance and Performance committee.pdf (3 pages)
- 2.4c. Doc 3 CAVUHB DCR Reporting Template Q1 2324.pdf (17 pages)

15:15 - 15:25 3. Items for Approval / Ratification

10 min

3.1. Interventional Radiology Case

Paul Bostock

- 3.1 NVA replacement Paper.pdf (2 pages)
- 3.1 UHB IG SBAR IR replacement July 2023.pdf (4 pages)
- 3.1a IG case submission responsibilities.pdf (2 pages)

15:25 - 15:30 4. Items for Information and Noting

5 min

4.1. Monthly Monitoring Return - Month 5

Catherine Phillips Robert Mahoney

- 4.1 WG month 5 MMR Covering Report.pdf (2 pages)
- 4.1a CV Financial Monitoring Returns 2023-24 Month 5.pdf (10 pages)
- 4.1b 2023-24 MMR Template Cardiff Vale UHB Month 5.pdf (6 pages)



0 min

15:30 - 15:30 5. Agenda for Private Finance and Performance Committee Meeting

i) Savings Plan Dashboard 2023-24

15:30 - 15:30 7. Review and Final Closure

0 min

John Union

7.1. Items to be deferred to Board / Committee

John Union

7.2. Date, time and venue of the next Committee meeting:

John Union

Wednesday 18th October 2023 at 2pm Via MS Teams

15:30 - 15:30 8. Declaration

0 min

To consider a resolution that representatives of the press and other members of the public be excluded from the remainder of this meeting having regard to the confidential nature of the business to be transacted, publicity on which would be prejudicial to the public interest [Section 1(2) Public Bodies (Admission to Meetings) Act 1960]





Unconfirmed Minutes of the Public Finance and Performance Committee Meeting Held on 23rd August 2023 at 2 pm Via MS Teams

Chair:		
Michael Imperato	MI	Independent Member – Legal
Present:		
John Union	JU	Independent Member – Finance
David Edwards	DE	Independent Member - ICT
Keith Harding	KH	Independent Member – University
In Attendance:		
Catherine Phillips	CP	Executive Director of Finance
Andrew Gough	AG	Deputy Director of Finance (Strategy)
Paul Bostock	PB	Chief Operating Officer
Matt Philips	MP	Director of Corporate Governance
Rebecca Aylward	RA	Deputy Executive Nurse Director
Abigail Harris	AH	Executive Director of Strategic Planning
Charles Janczewski	CJ	UHB Chair
Observers:		
Secretariat:		
Sarah Mohamed	SM	Corporate Governance Officer
Apologies:		
Robert Mahoney	RM	Deputy Director of Finance (Operational)
Jason Roberts	JR	Executive Nurse Director
Ceri Phillips	CP	UHB Vice Chair
Suzanne Rankin	SR	Chief Executive Officer

Item No	Agenda Item	Action
FPC 23/08/001	Welcome & Introduction	
	The Committee Chair (CC) welcomed everyone to the meeting.	
FPC 23/08/002	Apologies for Absence	
	Apologies for Absence were noted.	
	The Finance and Performance Committee resolved that:	
	a) Apologies for Absence were noted.	
FPC	Declarations of Interest	
23/08/003	No Declarations of Interest were noted.	
FPC	Minutes of the Finance and Performance Meeting held on 19 July 2023	
23/08/004	The minutes of the meeting held on 19 July 2023 were received.	

	The Finance Committee resolved that:	
	 a) The minutes of the Finance and Performance Committee meeting held on 19 July 2023, were held as a true and accurate record of the meeting. 	
FPC 23/08/005	Action Log following the Finance and Performance Committee meeting on 19 July 2023	
	The Action Log was received.	
	The Finance and Performance Committee resolved that:	
	a) The Action Log for the Finance and Performance Committee was noted.	
FPC 23/08/006	Chairs Action since previous meeting	
20/00/000	There had been no Chair's Actions taken since the last meeting.	
	Items for Review and Assurance	
FPC 23/08/007	 Financial Report – Month 4 The Deputy Director of Finance for Strategy (DDFS) presented the Financial Report – month 4 and highlighted the following: At month 4, the Cardiff and Vale University Health Board (the Health Board) was reporting an overspend of £34.354m. This comprised of £4.055m unidentified savings, £0.832m of operational overspend and the planned deficit of £29.467m (four twelfths of the annual planned deficit of £88.4m set out in 2023/24 financial plan). Operational Position The operational surplus deteriorated in month from a £0.170m deficit at month 3 to a £0.832m cumulative operational deficit at month 4. The key driver of the operational deficit was the WHSCC joint committee decision to return to extant contracts for 2023-24. This has had a £3m net impact on the Health Boards contract income position. 	
-16 ⁹ U1000 -16 ⁹ U1000 -100 -100 -100 -100 -100 -100 -100	The UHB Chair queried when would the WHSCC mitigations be expected to take place. The DDFS responded that a list of further actions had been agreed totalling £16m to address the savings shortfall and the operational pressures being experienced. The Executive Director of Finance (EDF) responded that here was a table in the papers which showed the deficit and mitigations were now needed to be built in.	

	The DDFS advised that the Health Board were also experiencing pressure within the Mental Health Clinical Board. This would be picked up in a deep dive later on in the meeting. The Health Board were also experiencing pressures in estates and facilities.	
	Savings Programme	
	The month 4 position included a Savings Programme variance of £4.055m relating to a four month share of red and unidentified schemes.	
	The Committee was advised that the Health Board expects to be able to manage the balance of savings plans required to deliver the forecast deficit of £88.4m with the risk of non-delivery of savings shown in Graph 1 and the progress of reducing the risk via identification of schemes in Graph 2.	
	The DDFS advised that even if all the red schemes were progressed to amber and green, there would still be a shortfall against the £32m target.	
	It was noted that further schemes had been identified totalling £16m to date to de-risk the financial plan. The additional schemes were currently being implemented and progress on delivery would be monitored by a dashboard on a weekly basis through escalation meetings. Each of the schemes would be led by the executive and theme leads.	
	It was agreed that a detailed savings tracker would be brought to next month's committee meeting.	AG
	Table 3 - Key Performance Indicator Dashboard at July 2023	
	It was noted that the Health Board expects to remain within its Capital Resource Limit which was £29.597m at month 4.	
	The Health Board also continues to achieve the NHS creditor payment compliance of 97.42%.	
	It was noted that there was also a positive cash balance of £3.498m.	
	The UHB Chair queried what was being done to make sure income generation, procurement and Aroma café were not drifting from their proposed savings.	
	The DDSFS responded that there were a number of saving schemes which were not delivering to the value forecasted at the start of the year. They were taking stock of the maximum that could be delivered from the schemes by 31 March and the additional schemes would back fill any gaps.	
18/06/10/05/2010/10/06/10/06/10/06/10/06/10/06/10/06/10/06/10/06/10/06/10/06/10/06/10/06/10/06/10/06/10/06/10/0	The UHB Chair requested that assurance was given to the Committee that the Health Board could catch up and make good the gaps.	
73.9th 12.9th 12.9th		
	 a) The reported year to date overspend of £34.353m and the forecast deficit of £88.400m was noted. 	

	 b) The financial impact of forecast COVID 19 costs which was assessed at £44.664m was noted. c) The month 4 operational overspend against plan of £0.832m was noted. d) The progress against the savings target, with £30.764m (96%) of schemes identified at Month 4 against the £32m target was noted. 	
FPC 23/08/008	Operational Performance Report	
	The Chief Operating Officer (COO) presented the Operational Performance Report and highlighted the following:	
	 The biggest issue at the moment was the length of stay which was affecting the ability to flow patients through the hospital. There had been good progress in cancer. 	
	 76% of stroke patients had gotten to the ward within 4 hours in June. The focus being put into the stroke pathways was starting to have an impact. 	
	 There was good progress being made in hip fractures. Mental Health services were still under pressure on all levels. There was a summit planned for September, together with Primary Care, CAHMS and Adult Mental Health. 	
	The UHB Chair queried how robust the data was on measuring dental performance and requested that this was shared at the next meeting. The UHB Chair also requested an update on the CAHMS trajectory.	РВ
	The Finance and Performance Committee resolved:	
	 a) The year to date position against key organisational performance indicators for 2023-24 and the update against the Operational Plan programmes was noted. 	
FPC 23/08/009	Planned Care Update	
23/00/009	The COO presented slides on Planned Care and highlighted the following:	
	 On the 25th of July, Cardiff and Vale Health Board received a letter in respect of the allocation of the £50m planned care fund and the expected deliverables associated with the allocation. The Health Board were on track to deliver the Ministerial ambitions. 	
	• To ensure delivery of the additional schemes as well as the challenging milestones, the governance within planned care had been revised and strengthened to include dedicated project and programme groups linked to the allocations and deliverables.	
S.	Each Clinical Board had developed additional activity plans on a non- recurrent basis to target improvements against the 104 week and 156 week which in turn had been developed as an everall trajectory for	
18-4070 -09-20-5-10-40 -20-5-10-40-40-40-40-40-40-40-40-40-40-40-40-40	week which in turn had been developed as an overall trajectory for delivery to December and March.	

	a) The contents of the report and the additional datail within the	
	 a) The contents of the report and the additional detail within the presentation on the requirement, governance and plan of delivery were 	
	noted.	
FPC 23/08/010	Mental Health Financial Position Deep Dive	
	The COO presented slides on the Mental Health Financial Position and highlighted the following:	
	 The Mental Health Clinical Board was under a significant amount of pressure and extra support was being provided to them. The biggest increase in expenses was the psychiatric intensive care unit which included a £1.1 m forecast overspend. There are also vacancies within the workforce. There are also regional and national capacity constraints. 	
	The UHB Chair requested a benchmarking exercise to be completed since the Health Board were a massive outlier.	РВ
	The Finance and Performance Committee resolved that:	
	a) The Mental Health Financial Position Deep Dive was noted.	
	Items for Approval/Ratification	
FPC 23/08/011	No items	
	No items Items for Information and Noting	
23/08/011 FPC	Items for Information and Noting	
23/08/011 FPC	Items for Information and Noting Monthly Monitoring Returns	
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Public Action Log

Following Finance and Performance Committee Meeting 23 August 2023 (For the Meeting 20 September 2023)

		Com	pleted actions		
REF	SUBJECT	AGREED ACTION	ACTIONED TO	DATE	STATUS/COMMENTS
FC 19/04/008	Unforeseen Cost Pressures	To update the Committee quarterly on unforeseen Cost Pressures.	Catherine Phillips Rob Mahoney	23 August 2023	COMPLETED
FPC 21/6/007	Deep Dive - Mental Health Clinical Board high costs	To undertake and to the Committee a deep dive into the high costs in the Mental Health Clinical Board	Paul Bostock	23 August 2023	COMPLETED <i>Discussed at August meeting.</i>
		Actio	ns in progress		
REF	SUBJECT	AGREED ACTION	ACTIONED TO	DATE	STATUS/COMMENTS
FPC 23/08/007	Savings Tracker	A detailed savings tracker would be brought to next month's committee meeting.	Andrew Gough	20 September 2023	On September agenda.
FPC 23/08/008	Dental performance	To provide robust data measuring dental performance.	Paul Bostock	20 September 2023	On September agenda.

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Bwrdd Iechyd Prifysgol Caerdydd a'r Fro Cardiff and Vale University Health Board

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FPC 23/08/008	CAHMS Trajectory	To provide an update on the CAHMS Trajectory.	Paul Bostock	20 September 2023	On September agenda.
FPC 23/08/010	Mental Health Services	A benchmarking exercise to be completed since the Health Board were a massive outlier.	Paul Bostock	October 2023	On October agenda.
		Actions referre	ed to Board/Comr	nittees	
AAC 4/7/23/009	Deep Dive Orthopedics Waiting Lists	Deep dive on how patients are managed whilst on the Orthopedics Waiting List.	Paul Bostock	20 September 2023	On September agenda.





Bwrdd Iechyd Prifysgol Caerdydd a'r Fro Cardiff and Vale University Health Board

Report Title:					Agenda Item no.	2.1	
Meeting:	Finance Committee Public Private			X	Meeting Date:	20 th September 2023	
Status (please tick one only):	Assurance	Х	Approval		Information		
Lead Executive:	Executive Director of Finance						
Report Author (Title):	Deputy Director of Finance (Operational)						
Main Report	Main Report						
Background and current situation:							

Summary

At month 5, the UHB is reporting an overspend of \pounds 42.827m. This is comprised of \pounds 4.667m unidentified savings, \pounds 1.327m of operational overspend and the planned deficit of \pounds 36.833m (five twelfths of the annual planned deficit of \pounds 88.4m set out in 2023/24 financial plan).

Table 1: Month 5 Financial Position 2023/24

	Forecast	Forecast
	Month 5	Year-End
	Position	Position
	£m	£m
Planned deficit	36.833	88.400
Savings Programme	4.667	0.000
Operational position (Surplus) / Deficit	1.327	0.000
Financial Position £m (Surplus) / Deficit £m	42.827	88.400

Financial Plan Approved by Board and submitted to Welsh Government

- Brought forward underlying deficit of £40.3m
- Local Covid Consequential costs of £34.2m
- Additional energy costs of £11.5m
- 23/24 Demand and cost growth and unavoidable investments of £48.8m
- Allocations and inflationary uplifts of £14.4m
- A £32m (4%) Savings programme

This results in a 2023-24 planning deficit of £88.4m.

Core Financial Plan – Month 5 Position

The UHB is reporting a month 5 overspend of £42.827m. £36.833m of this being five months of the annual planned deficit. The is a £4.667 deficit on the Savings Programme, being five months of red schemes profiled into the position. There is also a £1.327m is an operational deficit in delegated and central positions.

Summary Financial Table

The following table analyses the ± 42.827 m overspend at Month 5, between Income, Pay and Non Pay.

Table 2. Outliniary i mariciar i Osition for the period ended	ivi August		
Income/Pay/Non Pay	Memorandum	Current	Operational
	Annual	Period	Variance
	Budget	Actual	(Fav)/Adv
	£m	£m	£m
In Month			
Income	(1,604.993)	(148.335)	(0.708)
Рау	761.857	73.454	0.391
Non Pay	843.136	75.989	1.425
Sub Total £m	0.000	1.108	1.108
2023/24 Planned Deficit	88.400	7.367	7.367
Variance to Plan £m	88.400	8.474	8.474
Cumulative			
Income	(1,604.993)	(788.492)	(1.256)
Рау	761.857	381.942	(0.816)
Non Pay	843.136	412.543	8.066
Sub Total £m	0.000	5.994	5.994
2023/24 Planned Deficit	88.400	36.833	36.833
Variance to Plan £m	88.400	42.827	42.827

Table 2: Summary Financial Position for the period ended 31st August 2023

The in month adverse variance reported against pay and non pay is primarily driven by the gap against savings schemes.

Delivery of the forecast deficit of £88.4m will require continuing focus and downward pressure on the UHBs cost base, achievement of the full £32m savings programme and maintaining operational balance.

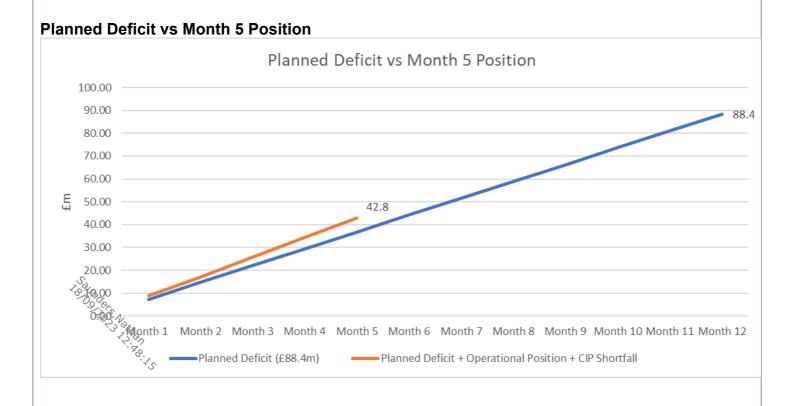


Table 3: Finance - Key Performance Indicator Dashboard at August 2023

	STATUS REPORT						
Measure	August 2023	RAG Rating	Latest Trend	Target	Time Period		
Deliver 2023/24 Draft Financial Plan	£42.827m deficit at month 5. £36.833m planned deficit, £4.667m savings gap and £1.327m operational deficit.	R	¥	Deliver 2023/24 £88.4m Planned Deficit	M5 2023-24		
Remain within capital resource limits.	The UHB expects to remain within it's Capital Resource Limit which was £29.597m at month 5	G	0	Remain within approved planned expenditure	M5 2023-24		
Delivery of recurrent £32m savings target	£36.481m Green, Amber and Red schemes identified at month 5 of which £21.455m were recurrent.	R	ſ	£32m	M5 2023-24		
Creditor payments compliance 30 day Non NHS	97.47% at the end of August	G	9	95% of invoices paid within 30 days	M5 2023-24		
Remain within Cash Limit	The UHB's working capital requirement will be discussed with Welsh Government following finalisation of the draft plan @ Q1	A	€	To remain within Cash Limit	M5 2023-24		
Maintain Positive Cash Balance	Cash balance = £8.767m	G	9	To Maintain Positive Cash Balance	End of August 2023		

Financial Performance of Clinical Boards

Budgets were set in the anticipation that they were sufficient to deliver the UHB's plan. Financial performance for month 5 by Clinical Board is shown in Table 4.

Table 4: Financial Performance for the period ended 31st August 2023

Clinical Board	Operational Position (Surplus) / Deficit	Non Delivery of Savings	Total (Surplus) / Deficit	Prior Month (Surplus) / Deficit	
	Variance	Variance	Variance	Variance	
Cumulative	£m	£m	£m	£m	
Clinical Diagnostics & Theraputics	85	499	584	625	
Children & Women	311	237	548	355	
Capital Estates and Facilities	298	725	1,023	1,152	
Executives	(583)	123	(460)	(497)	
Genomics	(20)	0	(20)	(15)	
Medicine	(1)	1,473	1,472	1,043	
Mental Health	575	363	938	765	
PCIC	191	628	819	160	
Specialist	749	527	1,276	823	
Surgery	312	693	1,005	844	
Sub-Total Delegated Position	1,917	5,267	7,184	5,256	
Central Budgets	(102)	(600)	(702)	(22)	
Commissioning	(488)	0	(488)	(347)	
Cost Improvement Themes	0	0	0	0	
Total (Surplus)	1,327	4,667	5,994	4,886	
Planned Deficit 👯			36,833	29,467	
Total Operational (Surplus)/Deficit	1,327	4,667	42,827	34,353	

The operational deficit deteriorated in month from a ± 0.832 m deficit at month 4 to a ± 1.327 m cumulative operational deficit at month 5.

The UHB continues to face a significant challenge as it delivers services from an operational footprint that is still predominantly designed to address Covid demands and infection control.

In particular the UHB has experienced unprecedented demand for its Mental Health Services at a time when it has been difficult to source appropriately trained and experienced staff. This has manifested itself by way of increased numbers of patients requiring inpatient care combined with longer lengths of stay. The UHB's Mental Health Clinical Board has been required to expand its High Dependency Unit from 6 beds to 10 as well as placing a number of patients, that would normally have been accommodated within the inpatient footprint, into out of area placements at premium cost.

The UHB provider plan was based on the national Directors of Finance Agreement that allowed a level of contract under-performance to 5%, reflecting the ongoing restricted ability of post Covid service footprints to restore activity to full per Covid levels. This had reduced from the 10% level which applied to Health Board LTAs and WHSSC LTAs in 2022-23. During June and July WHSSC informed the UHB that it would no longer comply with the DoF agreed arrangements and expected full restoration of pre Covid levels of activity. This has the effect of redistributing resource from Cardiff and Vale UHB to other commissioning health boards in Wales. The WHSSC Joint Committee supported this position, despite its inconsistency with the DoFs agreement and the 2022-23 contracting arrangements. This has had a £3m net impact on the UHB's contract income position after considering the Cardiff and Vale Commissioner benefits of his stance.

The forecast assumes that the UHB will successfully identify and deliver further savings schemes to cover the planning assumptions detailed in the financial plan.

COVID 19 Expenditure

The expenditure for Month 5 is summarised in Table 5 below.

Table 5: Summary of Month 5 COVID 19 Net Expenditure

	Month 5 £m	Forecast £m	Funded by	Variance to
			WG or Financial	Plan/Funding
			Plan £m	£m
Health Protection	3.350	8.800	8.800	0.000
PPE	0.805	2.500	2.500	0.000
Long Covid	0.477	1.144	1.144	0.000
Nosocomial	0.217	0.520	0.520	0.000
Anti-Viral	0.042	0.100	0.100	0.000
Sub Total WG Funded Covid Expenditure £m	4.890	13.064	13.064	0.000
Included in Financial Plan - COVID Local Response	13.093	31.200	34.200	(3.000)
Total COVID Expenditure £m	17.983	44.264	47.264	(3.000)

Local Response expenditure is no longer funded by Welsh Government and as such is included within the UHB's Financial Plan.

The forecast cost at Month 5 is a reduction of £3.4m against the £34.2m included within the Financial Plan and is included within the UHB's savings plans.

Welsh Government is funding Health Protection, PPE, Long Covid, Nosocomial and Anti-Viral with expenditure forecast to meet funding anticipated.

Risks

Table 6 summarises the Finance Department's Risk Register. The key risk which feeds the UHB Corporate Risk Register is the failure of the UHB to deliver a breakeven position by 2023-24 year end with a current planned deficit of £88.4m.

Table 6: Risk Register at August 2023

	Risks	Rating	Comment
	Approved Three year Financial plan (IMTP)	20	Due to a planned deficit of £88.4m for 2023/24 there is a risk of failure to achieve an Approved Three year Financial plan (IMTP) with potential for additional escalation and intervention arrangements following Enhanced Monitoring arrangements being imposed by Welsh Government.
Key Corporate Risk	Revenue Funding Limit.	20	The UHB has submitted a £88.4m deficit plan and therefore will breach breakeven duty in 2023-24. There is a high risk that this will not be recovered in years two and three of the rolling performance measure.
	Capital Funding - Three Year Rolling Breakeven Duty	12	The current 2023-24 UHB Capital Plan is structured to remain within the Capital Resource limit

	Failure to adequately manage budget pressures.	12	The 2022-23 Financial plan has funded 2022-23 out-turns in most delegated positions alongside the ability to call down appropriate and Covid consequential funding from dedicated UHB Reserves. This has reduced the risk of delegated positions overspending against core budgets . Monthly tripartite finance meetings are held between the COOs Office, Clinical Board Management teams and senior Finance Officers to monitor respective decisions and explore escalation actions where required. A number of additional actions are progressing to recover the month 5 operational & CRP overspend to enable the UHB to deliver the planned £88.4m deficit.
	Failure to deliver 2023-24 Savings Programme	16	At month 5 the UHB identified £36.481m schemes against the £32m savings target however £13.732m (38%) remain as red schemes. The ability to meet the UHB savings target for 2023-24 remains a major challenge that is being supported by escalation meetings with programme/theme leads and finance support teams.,
Financial Performance	Management and reduction of COVID-19 Response costs WG indicated no funding will be provided for Local Covid Response costs, of which £34.2m is included in the financial plan.	16	Welsh Government confirmed that there will not be any Covid Response or Covid consequential cost funding in 2023-24 and consequently this has contributed to the 2023- 24 planned deficit.
10010000000000000000000000000000000000	2023-24 One Year LTA framework in NHS Wales	12	The 2023-24 all Wales LTA framework agreed an enhanced 5% tolerance for underperformance moving from 10% in 2022-23. This reflects the expectation that activity levels will continue to recover in 2023-24 and that the enhanced tolerance level should be reduced. During June and July WHSSC informed the UHB that it would no longer comply with the DoF agreed arrangements and expected full restoration of pre Covid levels of activity. This has the effect of redistributing resource from Cardiff and Vale UHB to other commissioning health boards in Wales. The WHSSC Joint Committee supported this position, despite its inconsistency with the DoFs agreement and the 2022-23 contracting arrangements.

Savings Programme

At month 5, the UHB has identified \pounds 36.481m of green, amber and red savings against the \pounds 32m savings target however \pounds 13.732m are classified as red schemes. The month 5 position includes a Savings Programme variance of \pounds 4.667m relating to a five month share of red schemes.

The month 5 Savings Programme deficit is expected to be recovered, supported by a number of additional actions as the year progresses, enabling the UHB to deliver its planned deficit position of £88.4m.

Executive Performance Reviews with the UHBs Clinical Boards are focussing on the management of operational pressures and progress in identifying and delivering recurrent savings schemes that in turn will de-risk the financial plan.

The following additional actions are progressing to recover the month 5 operational & CRP deficit to enable the UHB to deliver the planned £88.4m deficit:

		£000
Scheme	Theme	Opportunity
Limit catalogue for non clinial non pay expenditure	Procurement	1,000
Eliminate non clinical agency with exception process	Workforce	1,000
Eliminate non clinical overtime	Workforce	1,000
Enhanced vacancy review through Vacancy Scrutiny Panel/Workforce reshaping	Workforce	2,240
Eliminate clinical agency with exception process	Workforce	5,390
Eliminate clinical overtime with exception process	Workforce	3,570
Waiting list initiative management following Health Board rate card	Workforce	1,120
Rationalise study leave to the minimum required to meet regulatory requirements	Workforce	700
Actions to Deliver Planned Deficit £88.4m		16,020

Reducing premium pay expenditure across all staff groups is a large component of the above, significant actions were taken during August to ensure the opportunities are realised. Nursing features heavily within these actions and as such have been allocated a target: a maximum of 25% of current agency and overtime used in QTR 1 can be used going forwards. If the registered nursing agency hours reduce and stay at the 25% limit, the UHB will realise £1m savings each month.

Weekly activity information is being captured and shared with the reduction in hours commencing at the end of August and expected to reduce towards the 25% limit into future months.

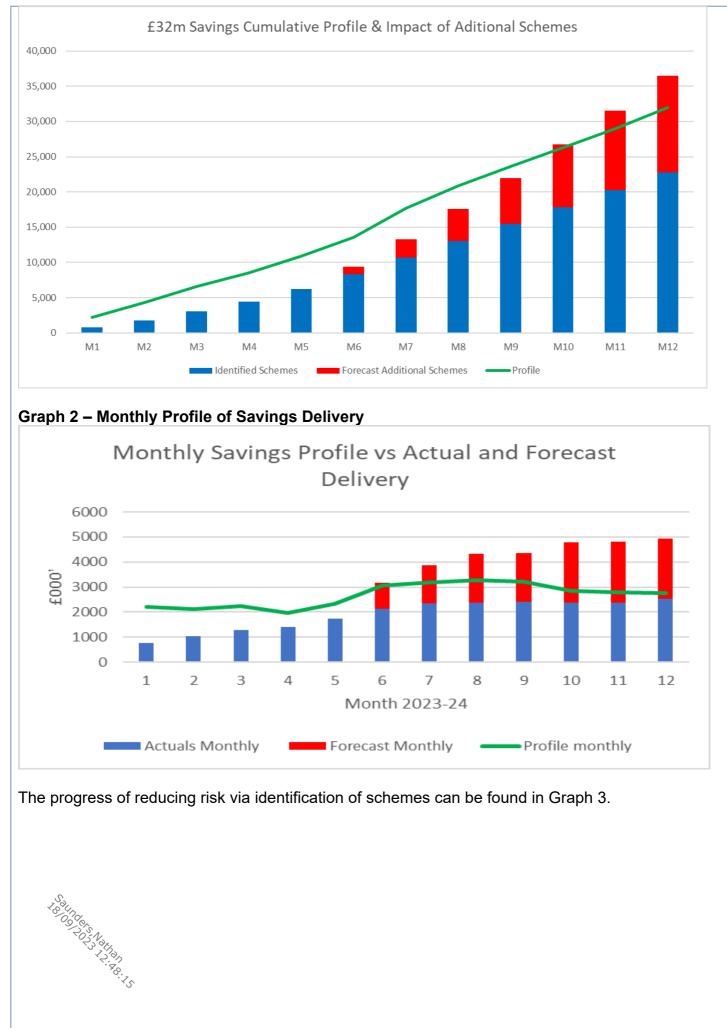
Registered Nursing overtime has a reduction of over 50% of hours used in the two weeks ending 3rd September.

In addition to nursing improvements, the UHB has re-established the Corporate Vacancy Scrutiny Panel to provide additional scrutiny on all new posts, all non-patient facing replacement posts and replacement clinical posts band 7 and above. The impact of the panel after six weeks is a saving of £0.610m.

In addition to the risk of non-delivery of savings, Graph 1 shows the cumulative forecast impact of the additional actions and Graph 2 shows the monthly impact. A number of the additional actions are still in red and progress is being closely monitored through the Sustainability Board. It is vital that these schemes progress to amber and green to gain further assurance of delivery.

Graph 1 – Profile of Savings Delivery

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Graph 3 – Progress of Identification of Schemes

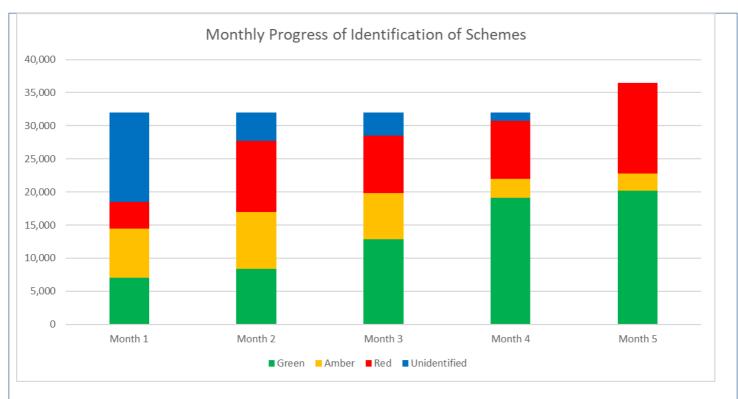
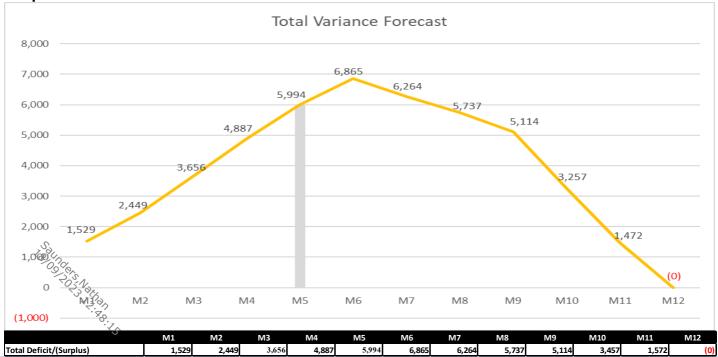


Table 7: Forecast Additional Savings

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
Profile	2,205	4,318	6,568	8,536	10,881	13,948	17,122	20,396	23,600	26,461	29,243	32,000
Identified Schemes	759	1,794	3,083	4,481	6,214	8,343	10,695	13,068	15,468	17,834	20,219	22,749
Forecast Additional Schemes	0	0	0	0	0	1,052	2,559	4,521	6,483	8,899	11,316	13,732
Savings Shortfall/ (Surplus)	1,446	2,524	3,485	4,055	4,667	4,553	3,868	2,807	1,649	(272)	(2,292)	(4,481)
Operational Deficit/(Surplus)	83	(75)	171	832	1,327	2,312	2,396	2,931	3,465	3,728	3,864	4,481
Total Deficit/(Surplus)	1,529	2,449	3,656	4,887	5,994	6,865	6,264	5,737	5,114	3,457	1,572	(0)

Table 7 shows the current cumulative profile of identified and red schemes up to the savings target of \pounds 32m. The impact of successfully delivering the agreed \pounds 16m additional actions would meet the \pounds 32m target in month 10 and allow additional savings of \pounds 4.481m to address the operational deficit to deliver a breakeven position.





Graph 4 shows the total operational and savings programme deficits and the profile of the additional savings actions on the total variance. If schemes deliver in line with this profile the reported deficit will peak at month 6 before turning the curve on a trajectory to hit the £88.4m planned deficit.

Overall progress in the identification of savings schemes is outlined in table 8 below:



Table 8: Savings Schemes

2023-24 Savings Summary

2023-24 in-year plans

Clinical/Service Board	23-24 Target	Green	Amber	Red	Total Savings Identified	Savings Shortfall
	£'000	£'000	£'000	£'000	£'000	£'000
Capital Estates and Facilities	631	666	0	3	669	-38
Children and Women	869	634	235	0	869	0
Clinical Diagnostics and Therapeutics	799	800	0	0	800	-1
Corporate Executives	334	325	0	0	325	9
Medicine	919	919	0	0	919	0
Mental Health	719	720	0	0	720	-1
Primary, Community and Intermediate Care	1,615	1,759	0	0	1,759	-144
Specialist Services	988	986	0	0	986	2
Surgical Services	1,126	927	170	0	1,097	29
Subtotal - Grip and Control	8,000	7,736	405	3	8,144	-144
Length of Stay	3,000	1,001	0	1,574	2,575	425
Theatres Productivity	500	0	38	464	502	-2
Income Generation	500	200	0	200	400	100
Medicines Management	2,000	1,583	0	416	1,999	1
Continuing Healthcare	1,500	0	313	250	563	937
Facilities and Estates	500	635	0	0	635	-135
Procurement	5,000	1,641	0	2,209	3,850	1,150
Workforce Efficiencies	8,000	4,430	1,688	6,652	12,770	-4,770
COVID Consequentials	3,000	3,000	0	795	3,795	-795
Review of Investments		0	0	0	0	0
Commissioning		79	0	1,170	1,249	-1,249
Subtotal Cost Improvement Themes	24,000	12,569	2,039	13,729	28,338	-4,338
Total Savings Position	32,000	20,305	2,444	13,732	36,481	-4,481

Cash Flow Forecast

The closing cash balance at the end of August 2023, was £8.767m.

A detailed monthly cashflow forecast is included in the monthly monitoring return submission to Welsh Government.

The UHB's working cash assumption for 2023-24 is based on the key assumptions :-

- Movements in working capital from the 2022-23 Balance Sheet to be assessed as the year progresses.
- Additional 1.5% consolidated pay award (£11.5m) for which Resource cover was received from Welsh Government in 2022-23 but has been paid out in 2023-24 and requires cash support.
- Cash support for the £88.4m deficit of the UHB 2023-24 Financial Plan.

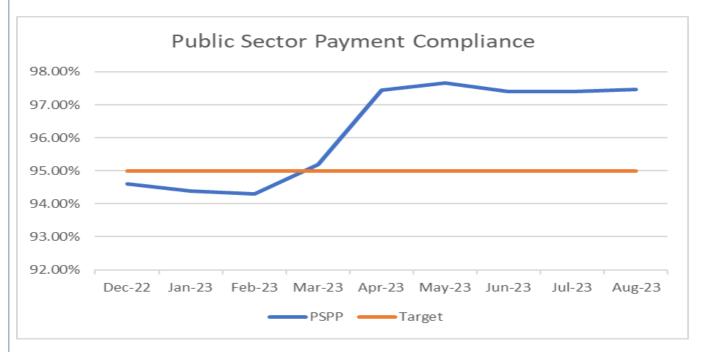
Discussion is ongoing with Welsh Government to provide cash support for these three areas which will total approximately £100m.

The cashflow is included in Table G of the Monthly Monitoring Returns which is provided to the Finance Committee each month.

Public Sector Payment Compliance

The UHB's public sector payment compliance performance is above the target of 95%. Performance for the month to the end of August was 97.47% and improvements are illustrated in Graph 3 below.





Work is ongoing with departments within the UHB, including training, to address the level of orders not receipted, and the high number of workforce and nursing holds, which should improve the UHB's position.

Capital

Of the UHB's approved Capital Resource Limit, 17% has been expended to date.

One capital scheme is currently classified as medium risk:

• Genomics - forecasting a potential £1.041m overspend. This is to be managed through the discretionary programme. The overspend is due to a number of factors including inflation, IT spec and the rerouting of drainage.

Eye Care – discussions are ongoing with DCHW in relation to the transfer of this service from C&V.

All other schemes are currently in line with the annual forecast. UHL infrastructure, Endoscopy, Genomics, Neuroradiology and Park View are all slightly behind plan year to date however these are currently still expected to deliver in 23/24.

Planned expenditure for the year reflects the CRL received from Welsh Government dated 1st September 2023 - £29.644m.

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Executive Director Opinion and Key Issues to bring to the attention of the Board/Committee:

The Financial Plan includes an annual forecast deficit of £88.4m.

Delivery of the core financial plan includes a 4% (£32.0m) recurrent savings requirement. At Month 5 £36.481m of savings were identified, representing 114% of the target.

The UHB also needs to manage its operational position and mitigate any emerging pressures as its Covid response costs are collapsed. The operational overspend is £1.327m in month 5. Enhanced monitoring is in-place for both operational positions and to further progress the gap in the Savings Programme. Alongside this, further additional actions are progressing to recover the month 5 operational & savings deficits.

Recommendation:

At Month 5 the Committee are requested to:

- **NOTE** the reported year to date overspend of £42.827m and the forecast deficit of £88.400m.
- **NOTE** the financial impact of forecast COVID 19 costs which is assessed at £44.264m.
- NOTE the month 5 operational overspend against plan of £1.327m
- **NOTE** the progress against the savings target, with £36.481m (114%) of schemes identified at Month 5 against the £32m target.

Link to Strategic Objectives of Shaping our Future Wellbeing: <i>Please tick as relevant</i>											
1. Reduce health inequalities			6. Have a planned care system where demand and capacity are in balance								
2. Deliver outcomes that matter to people		7.	Be a great place to	work	and learn						
3. All take responsibility for improvin our health and wellbeing	ng	 Work better together with partners to deliver care and support across care sectors, making best use of our people and technology 									
4. Offer services that deliver the population health our citizens are entitled to expect			Reduce harm, was sustainably making resources available) best	use of the	x					
5. Have an unplanned (emergency) care system that provides the righ care, in the right place, first time		10. Excel at teaching, research, innovation and improvement and provide an environment where innovation thrives									
Five Ways of Working (Sustainable D <i>Please tick as relevant</i>	evelopme	ent Pr	rinciples) considere	d							
Prevention Long term x	Integratio	n	Collaboration		Involvement						
Impact Assessment: Please state yes or no for each category. If y	yes please j	provide	e further details.								
Risk: Yes 700 No 50											
Safety: Yes/No No											

Financial: Yes	
As detailed in the report.	
Workforce: Yes/No	
No	
Legal: Yes/No	
No	
Reputational: Yes/No	
Yes, if forecast financial p	osition is not delivered.
Socio Economic: Yes/No	
No	
Equality and Health: Yes/N	٧o
No	
Decarbonisation: Yes/No	
No	
Approval/Scrutiny Route:	
Finance Committee	Date: 20 th September 2023



Report Title:	Operational Perfo	rmance	Agenda Item no.	2.2							
Meeting:	Finance and Performance Com	mittee	Public Private	Meeting Date:	20/09/2023						
Status (please tick one only):	Assurance	~	Approval		Information						
Lead Executive:	Chief Operating O	fficer									
Report Author (Title):	Head of Performa	Head of Performance									
Main Report Background and current situation:											

Background and current situation:

The Operations and Information Teams have redesigned the Integrated Performance Report to better meet the requirements of the Board, it's Committees and improve performance reporting for the Health Board as a whole, both internally and externally. This updated report incorporates progress against the ministerial priorities and our performance ambitions/IMTP priorities. It will also include performance against the NHS Performance Framework, which was finalised in June 2023

The sections of the full report covering Operation Performance, which are pertinent to the Finance and Performance Committee are: Section 1: Ministerial Priorities Section 2: Quadruple Aim 2

This report is intended to be iterative and feedback from the Committee will be useful as we develop this resource.

Executive Director Opinion and Key Issues to bring to the attention of the Board/Committee:

The enclosed performance report details the Health Board's performance against the Ministerial priorities, Health Board commitments from our IMTP and the wider NHS Wales Performance Framework.

We continue to see a high level of demand for our urgent and emergency care services. Despite this we have seen performance improvement in areas we have given operational focus. The focussed work on ambulance handovers through this year has led to significant reductions in the number of patients waiting more than 1 hour on an ambulance outside our Emergency Department, in addition to an overall reduction in the average handover time, surpassing our commitments.

However, for August there has been a deterioration in performance across our suite of EU metrics: the number of one hour ambulance handover breaches have increased, in addition to our average handover time. However, our ambulance performance remains in excess of our IMTP commitments and continues to show a considerable improvement from our historic performance.

The number of patients waiting 12 and 24 hours in our Emergency Department has also increased during August. The improvements resulting from the significant number of ward moves and redesign of our EU/AU footprint in July are taking time to fully imbed and will have impacted our performance, we continue to analyse breaches to better understand and improve our flow processes.

Performance against the standards within the National Falls and Fragility Fracture Audit Programme (FFFAP) has shown some improvement. However, the improvements are not necessarily reflected by the annualised KPI metrics. Rapid fracture pathway improvements have led to a significant reduction

in the median time taken for patients to get to the ward and continued improvement in the door to ward and prompt surgery performance for July.

July also saw a reduction in our compliance against the SSNAP measures for our Stroke Pathway. The percentage of patients directly admitted to the stroke unit within 4-hours reduced to 53.7%, however, this remains above the all Wales average. Our percentage compliance and median time to ward and CT scan remains improved from our performance in 2022 and we continue to work across Clinical Boards to progress the Stroke Service Improvement Plan.

In terms of our compliance with the 62-day single cancer pathway standard, whilst we did not deliver the 75% standard as we had originally intended, our performance in July increased to 65.6% and has remained above 60% since February this year.

The numbers of patients waiting on an RTT waiting list has increased this month. We continue to focus on long-waiting cohorts and Cancer pathways with weekly scrutiny against the national standards and ministerial ambitions. A separate Paper from our Director of Planned and Specialist Care was presented to the Committee last month describing the current position and our approach for this year. This month a separate paper on Orthopaedic waiting lists has been submitted.

Demand for adult and children's Mental Health services remains significantly above pre-Covid levels, including an increased presentation of patients with complex mental health and behavioral needs. Part 1a compliance for adults fell to below 50% in April following an exceptionally high number of referrals in March. However, the teams have managed to recover their waiting list position and June's reported compliance with the 28-day standard returned to 100% and remained high in July at 99.8%.

Since the last committee meeting we have made the changes to the Emergency Unit and Assessment Unit areas as described in July's paper. As described, we anticipated that this would impact our EU attendance and 4-hour performance, beginning in July, will full month effect from August's data. This has been evidenced this month with reported attendances falling to below 12000 and our 4-hour performance reducing by 6.8%. Welsh Government have been notified of the changes and our teams are working to ensure these changes will help to better align our reporting with ongoing national proposals. Cardiff and Vale have been asked to lead an All Wales task and finish group to explore how we capture and report activity from an emergency and urgent perspective nationally. The changes developed will part of the Welsh Emergency Care Data Set (WECDS) development which will replace EDDS. The Health Board are meeting with the Delivery Unit regularly to develop a dataset as an exemplar in Wales. The aim is that this will be adopted across the whole of Wales to ensure we can compare services in an equitable and fair way.

Recommendation:

The Finance and Performance Committee is asked to:

NOTE the year to date position against key organisational performance indicators for 2023-24 and the update against the Operational Plan programmes.

	Link to Strategic Objectives of Shaping our Future Wellbeing: <i>Please tick as relevant</i>										
1.	Reduce health inequalities		6.	Have a planned care system where demand and capacity are in balance	v						
2.	Deliver outcomes that matter to	~	7.	Be a great place to work and learn							
3.	All take responsibility for improving our health and wellbeing		8.	Work better together with partners to deliver care and support across care sectors, making best use of our people and technology	v						

 4. Offer services that deliver the population health our citizens are entitled to expect 5. Have an unplanned (emergency) care system that provides the right care, in the right place, first time 					>		 9. Reduce harm, waste and variation sustainably making best use of the resources available to us 10. Excel at teaching, research, innovation and improvement and provide an environment where innovation thrives 				
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Prevention	Long	term	~	Inte	egratio	n	~	Collaboration		Involvement	
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Financial: No											
Workforce: No											
Legal: No											
Reputational: 1	No										
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Equality and He	ealth: No)									
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Decarbonisatio	n: No										
Approval/Scrut	inv Rout	<i>.</i> _									
Committee/Gro			Э:								



Cardiff and Vale Integrated Performance Report

September 2023



Report Contents

1. <u>Ministerial Priorities</u>

2. <u>Cardiff and Vale Performance Report</u>

Click on a hyperlink to navigate directly to the section required



The Minister for Health and Social Services has set out 6 priority areas to help address the immediate pressures and help to build a sustainable health and care service over the next year.

Section 1 provides an overview of the Health Boards performance in relation to the 16 measures that are included within these 6 priority areas. As many of the measures are not specific, detail is provided on the specific measurement(s) that has been used to monitor compliance.

For a more in depth view on performance for each priority, please follow the links in the NHS Performance Framework column.

Priority	Aim	C&V Commitment	Commitment to meet ministerial ambition?	By When	In Month Performance against C&V commitment	Link in Performance Report
Delayed Transfers of Care	Reduction in backlog of delayed transfers Measure: number of delayed transfers of care. Reporting period: monthly	217	Yes	June 2023	176 July	<u>Hyperlink to</u> section
Primary Care Access to Services	Improved access to GP and Community Services Measure: >95% achievement of core access to in-hours GMS Services Reporting: monthly	95%	Yes	June 2023	98% June	<u>Hyperlink to</u> section
	Increased access to dental services Measure: 50% of expected new patient target Reporting: monthly	50%	Yes	June 2023	tbc	<u>Hyperlink to</u> section
	Improved use of community pharmacy Measure: >90% of all eligible community pharmacies providing CCPS (June 2023) Reporting: monthly	90%	Yes	June 2023	98% June	<u>Hyperlink to</u> section
	Improved use of optometry services Measure: Reduce number of patients referred from primary care (optometry and General Medical Practitioners) into secondary care Ophthalmology services Reporting: monthly	877	Yes	Dec 2023	846 June	<u>Hyperlink to</u> section
Urgent and Emergency Care	Implementation of a 24/7 urgent care service, accessible via NHS 111 Wales Measure: Performance response time in NHS 111 Reporting: TBC	tbc	tbc	June 2023	tbc	<u>Hyperlink to</u> section
Saunaers Nathan Color Stars Nathan 12, ge.	Implementation of Same Day Emergency Care services Measure: Increase in SDEC attendances Reporting: monthly	1233	Yes	June 2023	1717 July	<u>Hyperlink to</u> section
	Honour commitments that have been made to reduce handover waits Measure: Eliminate 4 hour ambulance handover delays Reporting: monthly	0	Yes	June 2023	O August	<u>Hyperlink to</u> <u>section</u>

Performance Key: Meeting standard / trajectory

over target/trajectory

Section 1: Ministerial Priorities

Performance Key: Meeting standard / trajectory

over target/trajectory

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Priority	Aim		C&V Commitment	Commitment to meet ministerial ambition?	By When	In Month Performance against C&V commitment	Link Performance Report
Planned Care, Recovery,	Achieve RTT waiting time targets Measure 1: 52 week new outpatient target by March 2024 Reporting: monthly Measure 2: 104 week treatment target by December 2023 Reporting: monthly		8999	No	Mar 2024	11138 July	<u>Hyperlink to</u> <u>section</u>
Diagnostics and Pathways of Care			3788	Yes	Dec 2023	4164 July	<u>Hyperlink to</u> section
	Set foundations for achieving waiting Measure: Reduce outpatient overdue follow by 2 Reporting: monthly	_	37623	Yes	Mar 2024	45644 July	<u>Hyperlink to</u> <u>section</u>
	Implement regional diagnostic hubs Measure 1: progress reporting on regional diagnostic hub Reporting: quarterly Measure 2: Achieve 8-week diagnostic Reporting: monthly		Go-Live	Yes	Sept 2024	On track	<u>Hyperlink to</u> <u>section</u>
			0	No	June 2025	10009 July	<u>Hyperlink to</u> <u>section</u>
	Implement straight to test model Measure: progress reporting on straight to test Reporting: quarterly		Go-Live	Yes	Sept 2024	On track	<u>Hyperlink to</u> <u>section</u>
Cancer	Achieve SCP target Measure: 75% of patients starting their first definitive cancer treatment within 62 days Reporting: monthly		75%	Yes	June 2024	62%	<u>Hyperlink to</u> section
	Implement the national cancer pathways within the national target Measure: progress reporting on national cancer pathways Reporting: quarterly		Go-Live	Yes	Sept 2024	On track	<u>Hyperlink to</u> <u>section</u>
lental lealth and	for Local Primary Mental HealthSupport Services and SpecialistCAMHSReporting (for all): monthly	Measure 1: Part 1a (adults)	80%	Yes	June 2024	99.8%July	<u>Hyperlink to</u> section
AMHS		Measure 2: Part 1b (adults)	80%	Yes	June 2024	100%July	
		Measure 3: Part 2 (adults)	80%	Yes	June 2024	46.7%July	
Jeguran Colores National Colores National Colores Colo		Measure 4: Part 1a (children)	80%	Yes	June 2024	84%July	
		Measure 5: Part 1b (children)	80%	Yes	June 2024	0% July	
		Measure 6: Part 2 (children)	80%	Yes	June 2024	90.2%July	
	Implement 111 press 2 on a 24/7 Measure: progress on implementing NHS 111 press 2 Reporting: quarterly		Go-Live	Yes	Sept' 2024	Delivered	<u>Hyperlink to</u> section

Section 2: Cardiff and Vale Performance Report

The Performance Report section provides detail of UHB performance across the quadruple aims.

Detail on what is included under each quadruple aim is provided below.

A summary of performance is provided against the priority UHB ambition under each aim, including detail of annual plan commitments. Performance against the relevant NHS Performance Frameworks measures is provided under each aim (under development)

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Number	Aim	Contents
Aim 1	People in Wales have improved health and well-being with better prevention and self-management	Public Health
Aim 2	People in Wales have better quality and more accessible health and social care services, enabled by digital and supported by engagement	Urgent and Emergency Care Inpatient Flow, Discharge and Front Door Alternatives to Admission Community and Urgent Primary Care Priority Services RTT Waiting Times Planned Care Cancer, Diagnostics and Therapies Primary and Community Care Whole System Evaluation and Supporting Patients Whilst Waiting Mental Health
Aim 3	The health and social care workforce in Wales is motivated and sustainable	People and Culture
Aim 4	Wales has a higher value health and social care system that has demonstrated rapid improvement and innovation, enabled by data and focused on outcomes.	Quality, Safety and Experience Financial Performance

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C&V Priorities and Annual Plan Commitments

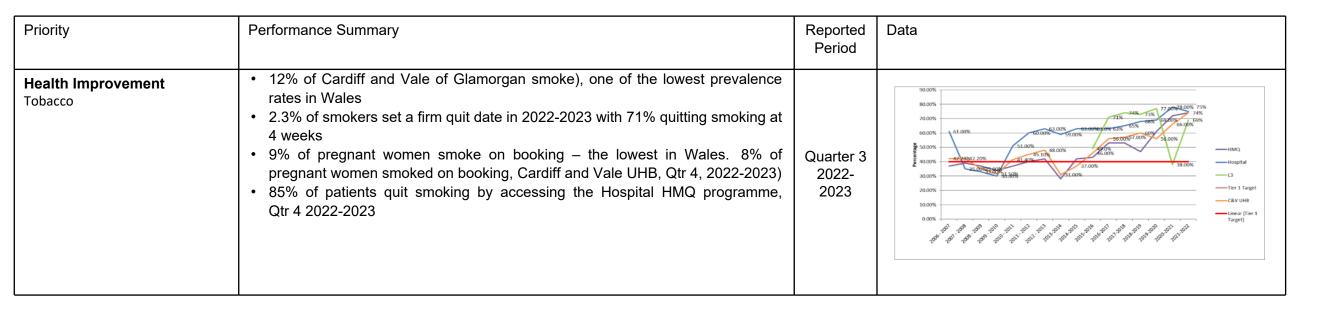
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Priority	Performance Summary	Reported Period	Data
Health Protection Acute Respiratory Infections (ARI)	 Acute Respiratory Infections (ARI) Baseline (inter-seasonal) levels of influenza activity Hospital admissions for Covid-19 have been increasing during August. A new sub-variant of omicron, BA.2.86, has recently been identified at low prevalence across a number of countries including the UK and has been designated a 'variant under monitoring' by the WHO. It is not yet clear what, if any, adverse impact this new variant will have on Covid-19 cases and morbidity. RSV activity in children under 5 years is at levels which indicate the season has started, although there has been a decrease to low levels in the most recent week. 	Week 34	100 Very high internativ 00 00 00 <t< td=""></t<>
Health Protection Immunisation	 Eligible cohorts have received the Covid-19 Spring Booster, with 37,253 doses given in Cardiff and Vale by 5 July 2023, and 69.15% uptake to date (cf Wales average 67.91% uptake). Following JCVIs announcement on 6 April, the Covid-19 infant vaccination programme commenced on 22 May 2023, running alongside the Spring Booster Campaign. The latest available public data by Public Health Wales (accessed on 21/08/2023) for the whole of Wales shows 47,541 (18.6% of the eligible) 1st doses were administered to 5-11 year olds and 34,964 second doses (13.7% of the eligible). In the geographical areas of Cardiff and in the Vale this was respectively 26.8% and 24.5% for the first dose and 21.1% and 19.6% for the second dose. Operational preparations are underway for the Winter Respiratory Vaccination Programme. Eligible groups have been identified and the vaccination campaign is due to start from the 11th of September 2023. The Staff Winter Respiratory Vaccination campaign will also start concurrently and it will see the co-administration of Covid-19 and Influenza vaccinations via appointments at Mass Vaccination Centres, occupational health and with opportunistic vaccination through vaccination champions. 	Q1 2023/24	Wales COVID-19 vaccination surveillance weekly report.pdf Infant covid 19 vaccination. https://public.tableau.com/app/profile/public.health.wales.healt h.protection/viz/RapidCOVID-19virology-Public/Vaccination
Health Protection Health Protection System	 Planning for a regional, all hazards Integrated Health Protection Partnership continues, with expected full implementation by end of year A draft Health Protection Plan has been developed with key partners. Consultation with stakeholders will take place in early Autumn. 	Q2 2023/24	
Health improvement Healthy weight	 74.6% of reception aged children in Cardiff and the Vale of Glamorgan are categorised as healthy weight (CMP, 2021/22). Cardiff and Vale have the second highest proportion of healthy weight children compared to other Health Board areas based on the latest available data. 40% of adults in Cardiff and the Vale of Glamorgan are of a healthy weight (NSfW, 2021/22+2022/23)*; 39% are eating five portions of fruit/vegetables a day (NSfW, 2021/22+2022/23)* and 68% are meeting physical activity guidelines of being active for at least 150 minutes per week (NSfW, 2021/22+2022/23)*. Differences remain between our most and least deprived communities with levels of healthy weight lower, and consumption of fruit and vegetables/physical 		Cardiff and Vale of Glamorgan Child Measurement Programme - Healthy Weight trend - Reception Year children 90.0 80.0 70.0 60.0 50.0

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C&V Priorities and Annual Plan Commitments

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Section 2: Performance Report

Quadruple Aim 1: Population Health

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NHS Wales Performance Framework Measures

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No.	Performance Measure	Reported Period	Performance Standard	In Month Performance	Trend
1.	Percentage of adult smokers who make a quit attempt via smoking cessation services	1 Jan 23 to 31 Mar 23	0.8% per quarter	0.7%	Q1 Q2 Q3 Q4 0.50% 0.50% 0.40% 0.70%
2.	Percentage of people who have been referred to health board services who have completed treatment for substance misuse (drugs and alcohol)		Improvement trend	Work in progress with substance misuse	
3.	Percentage of children who are up to date with the scheduled vaccinations by age 5 ('4 in 1' preschool booster, the Hib/MenC booster and the second MMR dose)	1 Jan 23 to 31 Mar 23	95%	84.8%	Q1 Q2 Q3 Q4 86.80% 87.20% 86.80% 84.80%
4.	Percentage of girls receiving the Human Papillomavirus (HPV) vaccination by the age of 15 (Applicable during: 01.04.2023 - 30.06.2023 and 01.01.2024 - 31.03.2024)	1 Jan 23 to 31 Mar 23	90%	71.3%	Q1 Q2 Q3 Q4 72.00% 72.60% 70.30% 71.30%
5.	Percentage uptake of the influenza vaccination amongst adults aged 65 years and over (Applicable during: 01.09.2023 - 31.03.2024)	1 Sept 22 to 31 Mar 23	75%	75.7%	
6.	Percentage uptake of the COVID-19 vaccination for those eligible (Applicable during: Spring Booster 01.04.2023 - 30.06.2023) (Autumn Booster 01.09.2023 - 31.03.2024)	1 Apr 23 to 30 Jun 23	75%	67%	w/e 11/06 we 18/06 w/e 25/06 w/e 02/07 64.00% 65.00% 66.00% 67.00%
7.	Percentage of patients offered an index colonoscopy procedure within 4 weeks of booking their Specialist Screening Practitioner assessment appointment	Jun-23	90%	4.7%	Mar-23 Apr-23 May-23 Jun-23 8.00% 16.70% 3.40% 4.70%
8.	Percentage of well babies entering the new-born hearing screening programme who complete screening within 4 weeks	Jun-23	90%	97.7%	Mar-23 Apr-23 May-23 Jun-23 96.30% 95.60% 98.00% 97.70%
9.	Percentage of eligible new-born babies who have a conclusive bloodspot screening result by day 17 of life	Jul-23	95%	93.5%	Apr-23 May-23 Jun-23 Jul-23 93.70% 95.10% 97.30% 93.50%

Section 2: Performance Report

Quadruple Aim 2: Urgent and Emergency Care Inpatient Flow, Discharge and Front Door

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C&V Priorities and Annual Plan Commitments

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Priority	Performance Summary	Reporting Period	Data			
 Ambulance Handover Annual Plan Commitments: Zero 4-hour ambulance delays (June 23) Reduce average lost minutes to 30 (Sept 23) 	 The number of ambulance handovers >4 hours has reduced from 230 in September 2022 to zero in June, July and August 2023. We are now giving the same focus to patients waiting 2-hours for an ambulance handover. In June there were two 2-hour holds, a reduction from 206 in March, in July we reported fifteen and in August twenty . Average lost minutes per arrival remains reduced but increased to 26 minutes in August from 18 in June. This performance remains better than our annual plan commitment. 	Aug-23	Number of ambulance handovers >4 hours			
 Emergency Department Annual Plan Commitments: Zero 24-hour ED waits (June 23) Reduce 12-hour ED waits by 50% (Sept 23) 	 In August, 41 patients waited 24-hours in the EU footprint without a stop-clock, an increase from the 0 patients reported in June and 23 in July 12-hour ED waits increased from 548 in July to 924 in August. 	Aug-23	12 Hour Wait Reduction by 50% of baseline by Sept-23			
Delayed Pathways of Care, LOS and Beds Annual Plan Commitments: • Reduce DPOCs by 10% (June-23) • Reduce >21 day LOS by 5% (June- 23) • Re-establish dedicated AOS beds (Sept)	 Delayed pathways of care remain a national challenge, the July 2023 census reported 176 delayed pathways a reduction from 202 in June We are currently tracking the numbers of stranded (7-day LOS) and superstranded (>21-day LOS) patients in our Acute beds. This is a more operationally useful measure than LOS measures which include rehabilitation and integrated care beds. We will be monitoring these going forward against the standards of <40% stranded and < 20% superstranded. At the time of writing our analysis showed 34% and 56% respectively. Work continues to evaluate the most appropriate and effective approach for the Acute Oncology Service (AOS), including consideration of dedicated beds following a recent pilot. An update and proposal is now planned for the beginning of Q3. 	Jul-23	Reduce DPOCs by 10% (June-23) 50 5			

Section 2: Performance Report

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Quadruple Aim 2: Urgent and Emergency Care Alternatives to admission

C&V Priorities and Annual Plan Commitments

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Priority	Performance Summary	Reporting Period	Data
 ED Attendances Annual Plan Commitment Reduction of ED majors' attendances of 5% compared to same period 2022/23 (every quarter) 	 In August 2023 we reported 11,717 EU attendances, a reduction from the 12,506 reported in July The number of EU Majors attendances in August 2023 was 7239, an increase from July and above our ambition of 6507. 	Aug-23	Reduction of ED majors' attendances of 5% 8000 7000 6000 5000 4000 3000 2000 0 9 <tr< td=""></tr<>
 Same Day Emergency Care Annual Plan Commitment 10% increase in the total number of patients managed through SDEC (June 2023) Reduced number of unplanned representations within 7-days of SDEC attendance (September 2023) Improve % of take managed in SDEC without requiring admission 	 In July 2023 we saw 1,082 patients seen via surgical SDEC and 635 via the medical SDEC. In total 1,717 patients were seen, above our commitment of a 10% increase by the end of Q1. The number of attendances to medical SDEC had been increasing month on month since June 2022, but showed a small reduction from June to July. A new process for national submissions has been undertaken and we hope to report on the other measures from September 	Jul-23	Number of patients seen in SDEC (10% improvement by June 23) 2000 1500 1000 500 0 $r_{sb}r^{2k}$ $r_{sb}r^{2k}$ $r_{sb}r^{2k}$ $r_{sb}r^{2k}$ $r_{sb}r^{2k}$ $r_{sb}r^{2k}$ $r_{sb}r^{2k}$ $r_{sb}r^{2k}$



Section 2: Performance Report

Quadruple Aim 2: Urgent and Emergency Care Community and Urgent Primary Care

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C&V Priorities and Annual Plan Commitments

Priority	Performance Summary	Reporting Period	Data
Urgent Primary Care	,		
Annual Plan Commitments:	'	1	
 80% appointment utilisation in UPCCs (June 2023), 85% (September 2023), 90% (March 2024) 	 Average utilisation of 89% achieved across Cardiff and Vale for August, a decrease from 91% in July. 		
 All clusters to have adequate access to UPCC capacity (September 2023) 	 Work in progress – Delivery plan in place to ensure full/equitable UPCC provision across all Cluster areas 	Jul-23	
 NHS 111 - >90% urgent calls logged and returned within 1 hr (December 2023) 	Average rate for June 89%		
 Increased redirections from ED to UPCC (March 2024) 	 Work in progress – Pilot commenced to re-direct ED patients to UPCC slots. Work ongoing to expand this to 24/7 and to include Paediatrics. Average referrals for Q1 = 21 (adults) 		
 Community Services Home Visit (P2) f2f in 2 hrs >90% (June 2023) 	 The Health Board was 75% compliant in July 2023 against the standard of 100% for 'Emergency' GP OOH patients requiring a home visit within one hour, with 3 of 4 patients receiving their visit with one hour. For patients that required an 'Emergency' appointment at a primary care center in July the Health Board was 100% compliant, with 2 of 2 patients receiving an appointment within 1 hour The Health Board was 81% compliant against the commitment of 2000 for the matrix of the patients and the patients a	Jul-23	Home visits within 2 hours (90% by Jun-23) 90% 80% 70% 60% 50% 10, 20% 0% 0% 0% 0% 0% 0% 0% 0% 0%
	90% for 'Urgent' GP OOH patients requiring a home visit within 2 hours, with 78 of 98 patients receiving their visit within 2 hours		



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Quadruple Aim 2: Urgent and Emergency Care **Priority Services**

C&V Priorities and Annual Plan Commitments

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Priority	Performance Summary	Reporting Period	Data
 Fracture Neck of Femur IMTP Commitments: 75% admitted within 4 hours (June-23) 	Performance against the standards within the National Falls and Fragility Fracture Audit Programme (FFFAP) has shown some improvement. In July 2023 the annualised data shows 14.8% of patients were admitted to a specialist ward with a nerve block within 4 hours.	Jul-23	#NOF admitted within 4 hours (75% by #NOF to theatre within 36 hours (85% by Jun-23) Dec-23)
 85% to theatre within 36 hours (December- 23) 	In July, 67.6% of patients received surgery within 36 hours, this has been increasing since August 2022 and our performance is above the national average of 57% over the last 12 months.		a aug. 23 a aug. 23 b and 22 b and 22 c c c c c c c c c c c c c c c c c c c
	A third summit with key stakeholders was held in June with a follow up scheduled for the end of September. We have an ambition for significant increases in our performance moving forwards to make Cardiff and Vale an upper quartile performer when compared to UK peers. In addition to pathway improvements, we are committed to improving outcomes for patients. Data from the National Hip Fracture Database shows that annualised Casemix Adjusted Mortality rates have falls from early 2021 and is now below the national average at 5% for Q4 22/23.		Lindent and the grading school grade
 Stroke IMTP Commitments: 70% scanned within 1 hour (June-23) 90% admitted within 4 hours (Sept-23) 20% thrombolysis rate (Sept-23) 	 While overall Stroke performance remains below the standards set out in the Acute Stroke Quality Improvement Measures and The Sentinel Stroke National Audit Programme (SSNAP), we have seen recent improvements in compliance with the 4-hour door to Ward standard. In July: 0% of patients were thrombolysed within 45 minutes of arrival, the All-Wales average was 3.9% The percentage of CT scans that were started within 1 hour in July was 42.6%, the All-Wales average was 59.6% The percentage of patients who were admitted directly to a stroke unit within 4 hours was 53.7% in July, the All-Wales average was 31.8% The UHB has held a number of internal Stroke summits and improvements to the stroke pathway are now being implemented including increased Clinical Nurse Specialists during out of hours, additional middle grade medical cover for the Emergency Unit and ringfencing of additional stroke beds to deploy the pull model from EU effectively. The UHB aspires to achieve a rating of grade 'A' for SSNAP. 	Jul-23	% Scanned within 1 hour (70% by June-23) 80% 60
 Intensive Care Unit IMTP Commitments: Patient at risk team 24/7 (Sept 23) ITU - 1 additional staffed bed (Sept 23) ITU - 2 additional staffed beds (March 24) 	 The patient at risk team (PART) is due to move from a 12/7 service to a 24/7 service from the 1st October following successful staff recruitment. This change will be pivotal in supporting the wards and ITU with the save management and transfer of patients. 3 additional ITU Level 3 beds will be resourced over the course of this financial year. The first of those beds is on-track to be resourced from September 2023 following successful recruitment of staff 		
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Quadruple Aim 2: Planned Care, Cancer and Diagnostics RTT Waiting Times

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C&V Priorities and Annual Plan Commitments

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Priority	Performance Summary	Reporting Period	Data			
 Outpatient Follow-up Management Annual Plan Commitment Follow up outpatients-reduce 100% delayed follow up by 25% on Jan'23 baseline of 50163 (September 2023) SOS and PIFU –10% of appropriate outpatient appointments (September 2023); 20% (March 2024) SOS and PIFU –20% of appropriate outpatient appointments 	 In total there were 191,706 patients awaiting a follow-up outpatient appointment at the end of July Of these, there were 45,644 patients who were 100% delayed for their follow-up outpatient appointment, a decrease noted from June 2.7% of outpatient appointments saw patients moving into a See on Symptoms pathway 0.4% of outpatient appointments saw patients moving into Patient Initiated Follow-up pathway 	Jul-23	Reduction in 100% Follow-up delays (Sept-23)			
 52 Week New Outpatient Annual Plan Commitment <8999 > 52 weeks (March 2024) 	 We have developed a weekly monitoring and assurance process to update on progress against our key long waiting cohorts. A separate paper was submitted to Finance and Performance Committee last month detailing our plan to meet the revised ministerial ambitions and we will update here from September. Weekly assurance is provided to the Chair. 	Jul-2023	RTT > 52 weeks New Outpatient against 8999 target by Dec-23			
 104 Week Treatment Annual Plan Commitment 3788 patients > 104 week waits for treatment (December 2023) 1263 patients > 104 week waits for treatment (March 2024) 	• We have developed a weekly monitoring and assurance process to update on progress against our key long waiting cohorts. A separate paper was submitted to Finance and Performance Committee last month detailing our plan to meet the revised ministerial ambitions and we will update here from September. Weekly assurance is provided to the Chair. We are on track to meet our December commitment	Jul-2023	RTT > 104 weeks against 3788 target by Dec- 23 10000 5000 0 10000 0 100000 100000 100000 100000 100000 100000 100000 1000000 10000000000			
 156 Week Waits Annual Plan Commitment <350 patients >156 week wait for treatment (September 2023) 0 patients >156 week wait for treatment (December 2023) 	 We have developed a weekly monitoring and assurance process to update on progress against our key long waiting cohorts. A separate paper was submitted to Finance and Performance Committee last month detailing our plan to meet the revised ministerial ambitions and we will update here from October. Weekly assurance is provided to the Chair. 	Jul-2023	RTT >156 weeks against 350 target by Sep-23 1500 1000 500 $_{0}$ $_{0}$ $_{1}$			

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Quadruple Aim 2: Planned Care, Cancer and Diagnostics Cancer, Diagnostics and Therapies

C&V Priorities and Annual Plan Commitments

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Priority	Performance Summary	Reporting Period	Data
 Cancer Annual Plan Commitment >75% compliance with the 62-day SCP standard (June 2023), 80% (December 2023) 	• There continues to be an improvement against the Single Cancer Pathway and the backlog trajectories agreed with the Delivery Unit. July saw 65.6% of patients receiving treatment within 62 days. At the time of writing there are a total of 2423 suspected cancer patient on the SCP. 268 have waited over 62 days, of which 82 have waited over 104 days. There have been a number of actions taken to improve the oversight and operational grip of the process for overseeing patients. Three cancer summits have taken place with the tumour group leads and operational teams to understand the demand, the causes for delay in the 62-day pathway and what actions are required to reduce the delays experienced by our patients.	Jul-23	% Compliance patients starting cancer treatment withing 62 days (75% by Jun-23) 80% 50% 50% 50% 50% 50% 50% 50% 50% 50% 5
 Develop draft UHB strategy to deliver national cancer pathways (June 2023) 		No date	
 Therapies Annual Plan Commitment 0 patients waiting over 14 weeks (excluding audiology) (June 2023) 	 Excluding Audiology there were 255 patients waiting over 14-weeks for Therapy in at the end of July. In total there were 1282 patients waiting longer 14 weeks for Therapy, a small increase from June. 	Jul-23	0 patients waiting >14 weeks (excl. Audiology) 2000 1500 500 0 0 0 0 0 0 0
 Diagnostics Annual Plan Commitment 90% of patients within 8-weeks (excl. endoscopy) (December 2023) Endoscopy – urgent <6weeks; SCP<14days; 0 surveillance patients 100% past target date (December 2023) Regional Diagnostic Centre go-live (December 2023) 	 Excluding endoscopy there were 6880 diagnostic patients waiting longer than 8 weeks for a Diagnostic at the end of July. In total there were 10009 patients waiting longer than 8 weeks for a diagnostic test, a small increase from June. 60% of patients seen within 8 weeks in July-23 (excluding Endoscopy), a small reduction from May and June Planning for the Community Diagnostic Hub is underway following 	Jul-23 No date	90% of patients within 8 weeks (excl. Endo) 100 90 80 70 60 50 40 $ys^{2^{2}}$ $ys^{2^{2}}$ $gs^{2^{2}}$ $gs^{2^{$
COLUMPTION IS IN THE IS	agreement of central funding from WG. Expected go-live is estimated to be Q1 2024/25. Plans are in development to provide additional diagnostic capacity through mobile units in advance of this.		

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Quadruple Aim 2: Planned Care, Cancer and Diagnostics Primary and Community Care

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Priority	Performance Summary	Reporting Period	Data			
 Community Pharmacy Annual Plan Commitment: >90% of all eligible community pharmacies providing CCPS (June 2023) 10% increase in pharmacy independent provider access (December 2023) 	 98% of all eligible community pharmacies providing CCPS 102 Community Pharmacies currently eligible to provide CCPS 101/103 Community Pharmacies signed up to deliver CCPS. 2,395 consultations undertaken in Q1, with 21% increase in PIP sites expected in Q2. 	Q1-June 2023				
 GMS Escalation Annual Plan Commitment: >95% of practices reporting escalation levels (June 2023) >95% achievement of core access to in-hours GMS Services (September 2023) 	 88% of Practices reporting escalation levels (Average for Q1 88%) - Number of escalations from practices reducing (of practices reporting of which 8% at LvI3, 92% >LvI3) 98% achievement of core access standards to in hours GMS 	Q1-June 2023				
 Community Dental Annual Plan Commitment: 50% of expected target for new patients, urgent and historic (June 2023); 90% (March 2024) 	 % of Primary Care Dental Services Contract value (GDS) delivered for new patients seen - 46.07% % of Primary Care Dental Services Contract value (GDS) delivered for new urgent patients seen - 21.96% % of Primary Care Dental Services Contract value (GDS) delivered for historic patients seen - 16.03% 	Q1-June 2023				
 Optometry Annual Plan Commitment >90% of eligible practices offering Clinical Community Optometry Services (CCOS) (June 2023); 95% (December 2023) 	 Contract reform and implementation still in progress – Awaiting data 12 Optometric Practices currently offer Optometry Independent prescribing service (18.75%) 	Q1-June 2023				
Respiratory Annual Plan Commitment • 50% of backlog of suspected COPD patients receive spirometry (June 2023); 100% March 2024)	 Community Spirometry service available in both Cardiff and Vale regions. 541 referrals received - 69.5% have attended appointments, 30.5% on waiting list 	Q1-June 2023				

Quadruple Aim 2: Planned Care, Cancer and Diagnostics Whole System Evaluation and Support Patients Whilst Waiting

C&V Priorities and Annual Plan Commitments

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Priority	Performance Summary	Reporting Period	Data
 Whole System Evaluation Annual Plan Commitment: Undertake high impact evaluations of three key specialities (June 2023) Undertake high impact evaluations of three key specialities (Sept 2023) 	Evaluations completed in Therapies and Cardiac Services. At the Theatres Summit in September 3 specialties will present their evaluations. Work is ongoing to expand the evaluation process across specialties and we are refining how we approach this across the UHB.	Jun-23	
 Supporting Patients Whilst Waiting Annual Plan Commitment: Produce models of care (June 2023) Develop pathways (Sept 2023) Expand services (December 2023) 	Models of care and pathways have so far been produced for 8 services including Prepare Well (Orthopaedics), ESCAPE Pain and Cancer Prehab2Rehab The expansion of services to include a single point of access is planned for delivery in this financial year.	Jun-23	



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Quadruple Aim 2: Planned Care, Cancer and Diagnostics Mental Health

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Priority	Performance Summary	Reporting Period	Data		
 Children's Mental Health Annual Plan Commitments: >80% Part 1a performance – SCAMHS Part 1b – 10% improvement (September 2023); further 10% (December 2023); achieve >80% compliance (March 2023) Reduce SCAMHS Intervention longest wait to no longer than 6 weeks 	Part 1a compliance remains above the 80% target at 84% in July. Part 1b performance was 0% due to additional assessment undertaken to meet Part 1a and high referral levels in June 23. The number waiting and longest wait for Part 1b has also increased due to the merge in data reporting for PMH and CAMHS. There have been data quality issues and a through improvement in the capture of data which has further impacted reported performance. In line with the new integrated model and focus on ensuring that children and young people access the most appropriate pathway under the mental health measure, we have redesigned the PARIS record keeping module and associated reporting to accurately capture the children and young people accessing and waiting for interventions for both Part 1b and Part 2 (SCAMHS). It is planned for this to go live in September so we expect to be able to provide accurate reporting from October.	Jul-23	Work in progress - Expected Oct-23		
Adult Mental Health Annual Plan Commitments: • >80% Part 1a performance • >80% Part 1b performance	 Demand for adult and children's Mental Health services remains significantly above pre-Covid levels, with referrals for the Local Primary Mental Health Support Service (LPMHSS) at 1216 referrals in July 2023. As highlighted at the previous Board meetings, this demand increase includes an increased presentation of patients with complex mental health and behavioral needs. Significant work has been undertaken to improve access times to adult primary mental health: Part 1a: in July the percentage of Mental Health assessments undertaken within 28 days was 99.8% Part 1b compliance remains at 100% 	Jul-23	MH Part1a againt 80% standard 100% 80% 60% 40% 20% 0%		
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Quadruple Aim 2: Operational Performance

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NHS Wales Performance Framework Measures

No.	Performance Measure	Reported Period	Performance Standard	In Month Performance	Trend
10.	Percentage of GP practices that have achieved all standards set out in the National Access Standards for In-hours	Jul-23	100%	98%	Reporting from Q2 – Expected Nov-23
11.	Percentage of primary care dental services (GDS) contract value delivered (for courses of treatment for new, new urgent and historic patients)	Jul-23	30% (Sept 23) 100% (Mar 24)	New64.1%New Urgent29.5%Historic27.5%	WIP – Expected Oct-23
12.	Number of patients referred from primary care (optometry and General Medical Practitioners) into secondary care Ophthalmology services		Reduction by Mar 24	Work in Progress	WIP – Expected Oct-23
13.	Number of consultations delivered through the Pharmacist Independent Prescribing Service (PIPS)	Jul-23	Increase against 22/23	1106	WIP – Expected Oct-23
14.	Percentage of Local Primary Mental Health Support Service (LPMHSS) assessments undertaken within (up to and including) 28 days from the date of receipt of referral for people aged under 18 years	Jul-23	80%	89.5%	Apr-23 May-23 Jun-23 Jul-23 88.90% 95.70% 93.70% 89.50%
15	Percentage of therapeutic interventions started within (up to and including) 28 days following an assessment by Local Primary Mental Health Support Service (LPMHSS) for people aged under 18 years	Jul-23	80%	0%	Apr-23 May-23 Jun-23 Jul-23 0.00% 0.00% 0.00% 0.00%
16	Percentage of Local Primary Mental Health Support Service (LMPHSS) assessments undertaken within (up to and including) 28 days from the date of receipt of referral for adults aged 18 years and over	Jul-23	80%	99.8%	Apr-23 May-23 Jun-23 Jul-23 44.90% 84.40% 100.00% 99.80%
17	Percentage of therapeutic interventions started within (up to and including) 28 days following an assessment by Local Primary Mental Health Support Service (LPMHSS) for adults aged 18 years and over	Jul-23	80%	100%	Apr-23 May-23 Jun-23 Jul-23 100.00% 100.00% 100.00% 100.00%

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NHS Wales Performance Framework Measures

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No.	Performance Measure	Reported Period	Performance Standard	In Month Performance	Trend
18.	Percentage of emergency responses to red calls arriving within (up to and including) 8 minutes	Aug-23	65%	51%	May-23 Jun-23 Jul-23 Aug-23 59% 60% 57% 51%
19.	Median emergency response time to amber calls		12m improvement trend	Work in Progress	WIP – Expected Oct-23
20.	Median time from arrival at an emergency department to triage by a clinician		12m reduction trend	Work in Progress	WIP – Expected Oct-23
21.	Median time from arrival at an emergency department to assessment by a senior clinical decision maker		12m reduction trend	Work in Progress	WIP – Expected Oct-23
22.	Percentage of patients who spend less than 4 hours in all major and minor emergency care (i.e. A&E) facilities from arrival until admission, transfer or discharge	Aug-23	95%	69.8%	May-23 Jun-23 Jul-23 Aug-23 73.2% 75.3% 76.2% 69.8%
23.	Number of patients who spend 12 hours or more in all hospital major and minor emergency care facilities from arrival until admission, transfer, or discharge	Aug-23	0 (Mar 2024)	924	May-23 Jun-23 Jul-23 Aug-23 534 260 548 924
24.	Percentage of patients starting their first definitive cancer treatment within 62 days from point of suspicion (regardless of the referral route)	Jun-23	80% (Mar 2026)	62.0%	Mar-23Apr-23May-23Jun-2362.2%64.2%61.7%62.0%
25.	Number of patients waiting more than 8 weeks for a specified diagnostic	Jul-23	0 (Mar 2024)	10009	Apr-23 May-23 Jun-23 Jul-23 6267 8113 9175 10009
26.	Percentage of children (aged under 18 years) waiting 14 weeks or less for a specified Allied Health Professional	Jul-23	Improvement trend	85.2%	Apr-23 May-23 Jun-23 Jul-23 92.80% 89.40% 85.00% 85.23%
27.	Number of patients (all ages) waiting more than 14 weeks for a specified therapy	Jul-23	0 (Mar 2024)	1282	Apr-23 May-23 Jun-23 Jul-23 1037 1121 1240 1282

Quadruple Aim 2: Operational Performance

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NHS Wales Performance Framework Measures

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No.	Performance Measure	Reported Period	Performance Standard	In Month Performance	Trend
28.	Number of patients waiting more than 52 weeks for a new outpatient appointment	Jul-23	Improvement trajectory towards 0	11138	Apr-23May-23Jun-23Jul-2310479107791078911138
29.	Number of patients waiting more than 36 weeks for a new outpatient appointment	Jul-23	TbImprovement trajectory towards 0	20580	Apr-23May-23Jun-23Jul-2319468196291983920580
30.	Number of patients waiting for a follow-up outpatient appointment who are delayed by over 100%	Jul-23	Improvement trajectory towards 0	45644	Apr-23May-23Jun-23Jul-2354064547884698145644
31	Number of patients waiting more than 104 weeks for referral to treatment	Jul-23	Improvement trajectory towards 0	4164	Apr-23May-23Jun-23Jul-233983410741334164
32.	Number of patients waiting more than 52 weeks for referral to treatment	Jul-23	Improvement trajectory towards 0	25653	Apr-23May-23Jun-23Jul-2323512243962477825653
33.	Percentage of patients waiting less than 28 days for a first appointment for specialist Child and Adolescent Mental Health Services (sCAMHS)	Jul-23	80%	84%	Apr-23May-23Jun-23Jul-2383%83%88%84%
34.	Percentage of children and young people waiting less than 26 weeks to start an ADHD or ASD neurodevelopment assessment	Jul-23	80%	20%	Apr-23 May-23 Jun-23 Jul-23 31% 29% 26% 20%
35.	Percentage of patients waiting less than 26 weeks to start a psychological therapy in Specialist Adult Mental Health	Jul-23	80%	60%	Apr-23 May-23 Jun-23 Jul-23 62% 59% 58% 60%

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C&V Priorities and Annual Plan Commitments

Priority	Performance Summary	Reported Period	Data
Turnover	 The overall trend is downwards since Aug-22; the rates have fallen from 13.66% in Nov-22 (the highest rate of turnover in the past 12 months) to a low of 12.51% in May-23 UHB wide. The rate for Jul-23 is 12.94%. This is a net 0.72% decrease, which equates roughly to 99 WTE fewer leavers. The top 5 reasons recorded for leaving are; 'Voluntary Resignation - Other/Not Known', 'Retirement Age', 'Voluntary Resignation – Relocation', 'Voluntary Resignation – Work Life Balance' and 'Voluntary Resignation – Promotion'. 	July 2023	Turnover Rate 13.80% Turnover Rate 13.60%
Sickness Absence	Rates remain high; although the rates appear to be the falling towards more 'normal' levels. The monthly sickness rate for Jul-23 was 4.97% after an all-time high of 8.58% for Dec-22. The 12-month cumulative rate has fallen steadily over the past 7 months to 6.53% (by comparison with Jul-22, which was 7.24%).	July 2023	In-Month and Year to Date Sickness Rates
Statutory and Mandatory Training	Compliance rate has risen to 81.20% for Jul-23, 3.80% below the overall target. The compliance for the All-Wales Genomics Services, Capital, Estates & Facilities and Clinical Diagnostics & Therapeutics are all above the 85% target, and Children & Women's, PCIC, Corporate Executives and Specialist Services are above 80% compliance. Compliance with Fire training has also risen during Jul-23, to 74.87%. Again, Capital, Estates & Facilities and the All-Wales Genomics Services have exceeded the 85% compliance target, and Clinical Diagnostics & Therapeutics is above 80%.	July 2023	Statutory & Mandatory e-Learning Compliance Rate 100%
Values Based Appraisal	Compliance has more than doubled over the last year; the compliance at Jul-23 was 71.64%. Clinical Boards had been set an improvement target of 60% by the end of March 23, then 85% by the end of June 2023. Capital, Estates & Facilities (91.77%) are the only Clinical Board to have exceeded the 85% target, but all of the Clinical Boards with the exception of Mental Health and the Corporate Executive group are now above the 60% transitory target.	July 2023	VBA Compliance Rate 90%

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C&V Priorities and Annual Plan Commitments

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Priority	Performance Summary	Reported Period	Data
Employee Relations	As can be seen in the graph the number of employee relations cases the People Services team are supporting has risen in the past three months but remains below the UHB Target. Further work is being undertaken to help embed the Just Culture principles within the UHB and a Just Culture Toolkit is being developed. The People Services Team continue to analyse trends of employee relations cases to develop bespoke training packages or additional toolkits/support services where appropriate.	July 2023	Employee Relations Cases
Job Plans	91.14% of clinicians have engagement with job planning and have a job plan in the system, however only 51.25% of these plans are fully signed off. Focus continues to be on supporting the approval and sign off process.	July 2023	Signed Off Job Plans against 85% Target 500.00% 60.00% 40.00% 20.00% 90.00% 40.00% 90.00%
Medical Appraisals	The rate of compliance with Medical Appraisal has risen during the past 12 months. At Jul-23 the compliance was 83.05%, by comparison with the target 85%.	July 2023	Medical Appraisal Compliance Rate 90%
Staff in Post	The overall Health Board Staffing Numbers have increased in the last 12 months by 522.29 WTE, to 14,573.19 WTE. The change in the split between permanent and fixed-term as shown in the graph below is largely due to validation of the ESR data held for staff contract type. The quantity of 'replacement' WTE by bank is increasing; in Aug-22 this represented 378.34 WTE, in Jul-23 this had risen to 488.93 WTE.	July 2023	14.000 WTE Permanent, Fixed-Term and Bank Staff in Post Numbers 2200 13.000 13.600 1950 13.000 1150 1950 13.000 1160 1950 13.000 1160 1950 13.000 1100 1150 13.000 1100 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200 13.000 1200 1200
Variable Pay (Bank, Agency, Overtime)	The trend of proportion of the pay bill spend on variable pay (Bank, Agency, overtime etc.) is falling. It has been as high as 10.85% of the total spend on pay, but in Jul-23 was 9.93%. It must however be borne in mind that the total pay bill is increasing.	July 2023	Proportion of Total Pay Bill Attributable to Variable Pay 11.00% 10.50% 9.50

Quadruple Aim 3

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NHS Wales Performance Framework Measures

No.	Performance Measure	Reported Period	Performance Standard	In Month Performance	Trend
36.	Percentage of sickness absence rate of staff	Jul-23	6%	4.97%	Apr-23May-23Jun-23Jul-235.82%5.77%5.52%4.97%
37.	Staff turnover measure tbc starters and leavers and/or vacancies?	Jul-23	7%-9%	12.94%	Apr-23 May-23 Jun-23 Jul-23 12.52% 12.51% 13.00% 12.94%
38.	Agency spend as a percentage of the total pay bill	Jul-23	12 month reduction trend	2.41%	Apr-23 May-23 Jun-23 Jul-23 2.48% 1.86% 1.99% 2.41%
39.	Percentage headcount by organisation who have had a Personal Appraisal and Development Review (PADR)/medical appraisal in the previous 12 months (including doctors and dentists in training)	Jul-23	85%	72.37%	Apr-23 May-23 Jun-23 Jul-23 59.60% 61.63% 65.86% 72.37%



C&V Priorities and Annual Plan Commitments

Priority	Performance Summary	Reported Period	Data
Concerns 30 day performance	 Welsh Government target for responding to concerns is 75% within 30 working days During June and July 2023, the Health Board received : 710 Concerns 87% closed within 30 working days (including Early Resolution) 64 % closed under Early Resolution 1 Compliments We currently have 352 active concerns Top 3 themes and trends Communication Concerns around appointments (waiting times/cancellations) Clinical Treatment and Assessment 	June and July 23	% closed in 30 days 90 85 80 75 90 90 90 80 75 90
Duty of Candour	 6390 incidents have been reported by staff across the Health Board, reflecting an open culture where staff feel comfortable to speak up. Approximately 31% incidents regraded Between 70 – 80 incidents reviewed per day We have led 9 DOC awareness sessions across the Health Board so far and continue undertake these monthly and when requested. Since 1st April 2023 we have triggered the DOC on 19 occasions 	1-Apr-23 – 31-July- 2023	Incident grading changed following review by Clinical Board



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C&V Priorities and Annual Plan Commitments

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Priority	Performance Summary	Reported Period	Data		
Patient Feedback – Civica	 Went live on Friday 28th October 2022 and we are currently surveying up to 600 patients daily via SMS. As of the end of July 2023, we have contacted some 83,672 people for feedback via text messaging and are seeing a return rate of 18%. In June, we contacted 8908 people via text and had 1615 completions (18% rr) In July, we contacted 11312 people via text and had 1977 completions (17% rr) 	Jun-23	Score: 89%		
	 Combined, we contacted 20220 people via text and had 3285 completions (18% rr). Of those who attended/discharged during June/July, 87% of those who answered the rating question were satisfied with our service. Our return rate is 18% it is our understanding this is higher than many organisations but will be a focus for improvement with more targeted experience data collection over the next year, with an ambitious aim for a minimum return of 25% by end of March 24. 	Jul-23	Score: 84%		
Incident Reporting	 During August, 1676 patient safety incidents were reported, pressure damage was again the most common reported patient safety incident type, followed by accident injury (falls), behaviour (including v&a), assessment/assessment and diagnosis, and finally medication errors (see chart in side bar). <u>NRI performance</u> Number of open NRIs – 65 Number of closures submitted in August – 13 Number of overdue NRIs – 26 This is an improved position on the previous month, which had 64 open NRIs, 11 NRI closures were sent and 32 were overdue in July. 	Jul-23	Patient Safety Incidents by Incident Type (Top 5) reported in August 2023 400 300 200 100 0 Pressure Accident, Injury Behaviour Assessment, Medication, IV Damage, (including Diagnosis Moisture violence and Diagnosis Damage aggression)		
2000 2053 Var 12:84 12:84 12:84 12:84 12:84 12:85			7 8 8 11 8 2 2 1 0 Com Taf Weith Hevel Lytel And Weith Hevel Ansurin Bertsi Swantsa Powys Public Digital Morgan Arbola Ddg UHB Service UHB UHB Bertai Swantsa Powys Public Digital Weith Hevel UHB UHB UHB UHB Weith Hevel Hath Heath Ansurin		

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C&V Priorities and Annual Plan Commitments

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Priority	Performance Summary	Reported Period	Data
Tier 1 Mortality	 The Crude inpatient Mortality chart demonstrates the numbers of inpatient deaths that occur in the Health Board on a weekly basis and compares this measure with the average for the previous 5 years for the same week. The blue line demonstrates the rolling crude inpatient mortality rate compared to the 5-year average for the same reporting week (red line), with the exception of March 2020 and December 2020 to February 2021, the first and second waves of Covid-19.Inpatient crude mortality continues to track the five year average Crude all-cause mortality, demonstrates the weekly number of deaths registered in Cardiff and the Vale of Glamorgan, regardless of where they occurred. COVID – 19 deaths the pink line, illustrates the number of deaths where COVID-19 features anywhere on the death certificate. There is a correlation between increases above the five-year average and deaths where the patient had Covid on their death certificate during the first two waves of the pandemic. An increase above the five year average has been noted across wales since April 2023 with a similar increase noted in Cardiff and Vale UHB with five year average crude mortality in week 28 being recorded as 76 compared with 63.6 for the previous five year average. 	July-23 May-23	<figure><figure><figure><figure><figure></figure></figure></figure></figure></figure>
Infection Control	 The WHC for the 2023/24 financial year has not yet been released. Therefore, the reduction expectations are based on those released for the 2022/23 financial year. Between April 23 and July 23, there were 44 cases of <i>Klebsiella sp</i> bacteraemia. The reduction expectation for this period is 23 cases, thus the number of cases is 21 over the reduction expectation. There were 6 cases of <i>P. aeruginosa</i> bacteraemia. The reduction expectation for this period is 8 cases, thus the number of cases is 2 below the reduction expectation. There were 133 cases of <i>E. coli bacteraemia</i>. The reduction expectation for this period is 83 cases, thus the number of cases is 30 over the reduction expectation. There were 57 cases of <i>S. aureus bacteraemia</i>. The reduction expectation for this period is 26 cases, thus the number of cases is 31 over the reduction expectation. There were 39 cases of <i>C. difficile</i>. The reduction expectation for this period is 26 cases, thus the number of cases is 13 over the reduction expectation. 	Apr-23 – July-23	Part 1. Subtractions of 2. Setting Part 2. Setting 2. Setting Part 2. Setting 2. Setting 2. Setting Part 2. Setting 2. Setti

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Quadruple Aim 4: Financial Performance

Priorities and Annual Plan Commitments

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Priority	Performance Summary		Data
		Reported Period	
Deliver 2023/24 Draft Financial Plan	 Financial Plan Approved by Board and submitted to Welsh Government Brought forward underlying deficit of £40.3m Local Covid Consequential costs of £34.2m Additional energy costs of £11.5m 23/24 Demand and cost growth and unavoidable investments of £48.8m Allocations and inflationary uplifts of £14.4m A £32m (4%) Savings programme This results in a 2023-24 planning deficit of £88.4m. The UHB is reporting a month 4 overspend of £34.353m. £29.467m of this being four months of the annual planned deficit. £4.055 deficit on the Savings Programme, being four months of red schemes and unidentified savings. 0.832m is an operational overspend in delegated and central positions.	Jul-23	Forecast Month 4 Position £mForecast
Delivery of recurrent £32m savings target	At month 4, the UHB has identified £30.764m of green, amber and red savings against the £32m savings target leaving a further £1.236m (4%) schemes to be identified. The month 4 position includes a Savings Programme variance of £4.055m relating to a four month share of red and unidentified schemes. Additional actions are progressing to recover the month 4 operational & CRP overspend to enable the UHB to deliver the planned £88.4m deficit The UHB expects to be able to manage the balance of savings plans required to deliver the forecast deficit of £88.4m with the risk of non-delivery of savings shown in Graph 1 and the progress of reducing the risk via identification of schemes in Graph 2	Jul-23	Graph 1 – Profile of Savings Delivery and Unidentified Schemes

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Quadruple Aim 4: Financial Measures

Priorities and Annual Plan Commitments

Priority	Performance Summary	Reported Period	Data
Remain within capital resource limits	The UHB forecasts to deliver within it's Capital Resource Limit.	July-23	Performance against Capital Resource Limit £m 40m 30m 20m 10m K May-23 Jun-23 Jul-23 Annual Capital Resource Limit (CRL) Cumulative Charge against CRL to Date
Creditor payments compliance 30 day Non-NHS	The UHB's public sector payment compliance performance is above the target of 95%. Performance for the month to the end of July was 97.42% and improvements are illustrated in the graph to the right.	July-23	Public Sector Payment Compliance 98.00% 97.00% 96.00% 95.00% 93.00% 93.00% 92.00% Dec-22 Jan-23 Feb-23 Mar-23 May-23 Jul-23
Remain within Cash Limit	The UHB's working capital requirement assumes that Welsh Government will provide support to movements in working capital from the 2022-23 Balance Sheet and for the £88.4m planning deficit in the UHB 2023-24 Financial Plan. Discussion is ongoing with Welsh Government to provide cash support for these areas which will total approximately £100m.	July-23	
Maintain Positive Cash Balance	 The closing cash balance at the end of July 2023, was £3.498m. A detailed monthly cashflow forecast is included in the monthly monitoring return submission to Welsh Government. The UHB's working cash assumption for 2023-24 is based on the following key assumptions :- Movements in working capital from the 2022-23 Balance Sheet to be assessed as the year progresses. Additional 1.5% consolidated pay award (£11.5m) for which Resource cover was received from Welsh Government in 2022-23 but has been paid out in 2023-24 and requires cash support. Cash support for the £88.4m deficit of the UHB 2023-24 Financial Plan. Discussion is ongoing with Welsh Government to provide cash support for these three areas which will total approximately £100m. 	July-23	Cash Balance fm 12m 10m 8m 6m 4m 2m K Nov-22 Dec-22 Jan-23 Feb-23 Mar-23 Apr-23 May-23 Jun-23 Jul-23 Cash Balance Target
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Quadruple Aim 4

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NHS Wales Performance Framework Measures

No.	Performance Measure	Reported Period	Performance Standard	In Month Performance	Trend
40.	Percentage of episodes clinically coded within one reporting month post episode discharge end date	Apr-23	Improvement trend	70%	Jan-23 Feb-23 Mar-23 Apr-23 59% 56% 44% 70%
41.	Percentage of all classifications' coding errors corrected by the next monthly reporting submission following		90%	Work in progress	
42.	Percentage of calls ended following WAST telephone assessment (Hear and Treat)		17% or more	Work in progress	
43.	Number of Pathways of Care delayed discharges		12 month reduction trend	Work in progress	
44.	Percentage of health board residents in receipt of secondary mental health services who have a valid care and treatment plan for people aged under 18 years	Jul-23	90%	90.2%	Apr-23 May-23 Jun-23 Jul-23 89.40% 88.10% 89.20% 90.20%
45.	Percentage of health board residents in receipt of secondary mental health services who have a valid care and treatment plan for adults 18 years and over	Jul-23	90%	46.7%	Apr-23 May-23 Jun-23 Jul-23 50.30% 49.10% 47.30% 46.70%
46.	Number of patient experience surveys completed and recorded on CIVICA (Total partial/full survey completions, including SMS, Bedside and bespoke)	Jun/Jul-23	Month on month improvement	3760	

Quadruple Aim 4

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NHS Wales Performance Framework Measures

No.	Performance Measure	Reported Period	Performance Standard	In Month Performance	Trend
47.	Cumulative number of laboratory confirmed bacteraemia cases: <i>Klebsiella</i> sp and; <i>Pseudomonas aeruginosa</i>	Jul-23	Klebsiella sp - 23 P. aeruginosa – 8	44 6	Work in progress
48.	Cumulative rate of laboratory confirmed bacteraemia cases per 100,000 population: <i>E-col</i> i; <i>S.aureus</i> (MRSA and MSSA)	Jul-23	<i>E. coli</i> - Tbc <i>S.aureus</i> – Tbc	66.01 33.30	Work in progress
49.	Cumulative rate of laboratory confirmed <i>C.difficile</i> cases per 100,000 population	Jul-23	Work in progress	22.60	Work in progress
50.	Percentage of confirmed COVID-19 cases within hospital which had a definite hospital onset of COVID-19	May-23	Reduction against 22/23	Work in progress	Work in progress
51.	Percentage of ophthalmology R1 appointments attended which were within their clinical target date or within 25% beyond their clinical target date	Jul-23	95%	58.12%	Apr-23May-23Jun-23Jul-2358.04%58.12%58.66%58.83%
52	Number of ambulance handovers over 1 hour	Aug-23	0 (Mar 24)	1728	May-23Jun-23Jul-23Aug-231395155814731728
53.	Number of patient safety incidents that remain open 90 days or more	Jul-23	12-month reduction trend	4104	Work in progress



Report Title:	Orthopaedics \	Waiting	Agenda Item no.	2.2						
Meeting:	Finance and Performance Com		Public Private	~	Meeting Date:	20/09/2023				
Status (please tick one only):	Assurance	~	Approval		Information					
Lead Executive:	Chief Operating C	Officer								
Report Author (Title):	Director of Planne	Director of Planned and Specialist care								
Main Report										
Background and cur	rrent situation:									

Background and current situation:

The Wales Audit Office (WAO) undertook a review in February 2023 of orthopaedics waiting lists in Wales. This resulted in 3 key recommendations for the Health Board. These have been implemented aside from changes that are reliant on the moves of cardiothoracic surgery from University Hospital Llandough.

The purpose of this paper is to provide a detailed position on the orthopaedics waiting list, and importantly the way in which we are supporting patients whilst waiting.

Executive Director Opinion and Key Issues to bring to the attention of the Board/Committee:

The Orthopaedic waiting list represents a significant challenge following the pandemic. The majority of orthopaedic operating was ceased during this time. Additionally, the change of locations of services through the pandemic influenced the directorates ability to return to pre-pandemic levels of activity.

These elements have been identified in both the WAO and GiRFT reports for the department. Orthopaedics have developed clear actions in response to both which will in turn improve the waiting times position. The total size of the orthopaedic waiting list has remained static through this calendar year, but there has been focus on the longest waiting patients with a reduction in over 156 week waits from 417 in January to 270 at the end of August 2023.

	Weeks Wait									
Subspecialty	<26	27-52	53-78	79-104	105-130	131-156	156+	Grand Total		
Adult Orthopaedics	4146	2883	1876	680	247	57	3	9892		
Paediatric Orthopaedics	656	99	45	20	6	1		827		
Spines	917	849	579	449	306	158	267	3525		
Grand Total	5719	3831	2500	1149	559	216	270	14244		

Table 1: Numbers of Patients waiting per time band at the end of August 2023

This data demonstrates shows that the predominant challenge in orthopaedics is spinal surgery. There is ongoing work to implement a right sizing of spinal services to ensure that in the medium term there is a sustainable model of delivery.

The planning approach being taken throughout the organisation is to review the cohort of patients that need to be treated both by December 2023 and March 2024. For orthopaedics this is:

- December 2023: 1596
- March 2024: 2356

The plan for orthopaedics is to have no more than 600 patients over 104 weeks at the end of December and no more than 252 at the end of March in order to support the delivery of the revised ministerial ambitions.

Achievement of the reductions required require on support across clinical boards and directorates. The key risks to delivery of this plan are:

- 1. Sufficient theatre capacity
- 2. Radiology Capacity

Both of these risks are being managed through the planned care programme.

The management of the waiting list is a critical part of the orthopaedics process namely in two parts:

- 1. Good validation practices
- 2. Supporting patients whilst waiting

In relation to validation the directorate team validate all patients between 12 and 16 weeks waiting and again after patients are listed for surgery. Additionally, there is a centrally supported validation process of the longest waiting patients in all specialties.

In November 2021, the Prepare Well orthopaedics (PWO) team was formed, and the service was launched. The programme supports and prepares patients for the following surgery:

- knee replacement surgery (TKR)
- hip replacement surgery (THR)
- ankle surgery that will require them to be non-weight bearing (NWB) post-operatively

A model for Orthopaedic prehabilitation was developed as part of the wider Cardiff and Vale 'Rehabilitation Model', supporting and promoting self-management of long-term conditions integrating this with people's own communities, in line with recommendations set out in Healthier Wales. Three populations are supported by this work:

Population 1 – Those listed for surgery, yet to have a date

- Population 2 Those listed for surgery, who have a date
- Population 3 Those who have had surgery who are recovering

Within the prepare well for orthopaedics 1104 patients have been offered support and 751 have engaged with this support.

As part of the offer for orthopaedic patients there is also the ESCAPE pain programme. This programme is a group-based intervention utilising peer support and shared decision making to support people to make behavioural changes and manage their condition. This is part of the broader offer that Cardiff and Vale has relating to the "Keeping Me Well" service. To date there have been 1663 patients who have completed the course.

There has been a broad evaluation of the offers to patients on waiting lists which includes a social return on investment. But importantly for orthopaedics, those patients that engage with the offers see a median length of stay reduction of 0.4 days.

All elements of the supporting patients process are being managed under the optimising patients workstream of the Planned Care Improvement Programme. The next focus is to review how the work in orthopaedics can be expanded to further patients as well as undertaking a review of patient communication.

Recommendation:

The Finance and Performance Committee is asked to **NOTE** the current position of the Orthopaedic waiting list and the work both to reduce the waits and support patients.

Linl Plea	k to Strategi ase <i>tick as rele</i>	c (eva	Objectives of a <i>nt</i>	Shapi	ng c	our Futi	ure	Wel	lbeing:			
			h inequalities				6.		ive a planned ca mand and capao			~
2.	Deliver out	со	mes that matt	er to		~	7.					
3.						8. Work better together with partners to deliver care and support across care sectors, making best use of our people and technology					¥	
4.		he	s that deliver t alth our citize pect		Э	~	9.	su	educe harm, was stainably making sources available	g best	use of the	
5.	care syster	n t	anned (emero hat provides t ght place, first	the rig		~	10	an	cel at teaching, d improvement a vironment where	and pr	ovide an	
		Vo	rking (Sustain		Deve	elopme	ent	Princ	ciples) considere	d		
Pre	evention		Long term	>	Inte	egratio	n	~	Collaboration		Involvement	
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Ris	k: No											
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Dec	carbonisatio	n:	No									

Approval/Scrutiny Route:						
Committee/Group/Exec	Date:					



Report Title:	Cardiff and Vale Winte	er Plan 2023/2024	Agenda Item no.	2.2					
Meeting:	Finance and Performance	Public Private	x	Meeting Date:	20/09/2023				
Status (please tick one only):	Assurance	Approval	х	Information	formation				
Lead Executive:	Chief Operating Officer								
Report Author (Title):	Director of Operations: Six Goals and Financial Improvement								
Main Report Situation									
typically fluctuate throu additional support. Un workforce pressures, o	s an integral part of the ughout the year and winte idertaking this planning covid/respiratory spikes a nallenges that Winter pres	er leads to increased has become increas and variables associa	dem ingly ated	ands that require complex due to with a challenging	mitigating action and seasonal pressures, financial agenda.				
reserve of £1.5m that l approach Winter 2023	has been provided on a r 3/24 there is a desire to he winter plan into our ar	non-recurrent basis to o review and refres	o spe h ho	ecific winter schen w we manage o	nes each year. As we ur approach with an				

e) Phasing resources/budgets to account for the seasonal variation

d) Aligning our workforce to times of increased demand

approach of delivering affordable, safe, patient focused and effective care.

This brief, the associated winter slides, sets out the key considerations for the operational winter plan and requests the recurrent allocation of the winter reserve (£1.5m) within operational budgets.

it is proposed that some of the priority winter schemes should be recurrently funded to help improve our

The winter priorities have been considered in the context of our six-goals and planned care programmes, with

clear aims for both emergency, urgent and planned care. A number of key priorities have emerged:

c) Focusing on SAFER and "home-first" to facilitate timely and safe discharge for our patients

a) Flexing capacity (ambulatory and bed capacity) to mitigate increases in demandb) Stepping-up social, intermediate and primary care capacity when necessary.

Assessment

This year the Health Board has undertaken a number of workshops within clinical boards and also held a winter summit with internal and external stakeholders. Through this workshop and discussions, the drivers influencing the winter plan have been identified and include; peaking virus demands, the cost of living/energy crisis, ongoing operational pressure, workforce availability/morale, and the potential for medical industrial action.

In addition to the impact on urgent and emergency care pathways, the UHB also plans for the maintenance of critical services during the winter period. Through the aforementioned forums a number of key priorities have been identified including cancer performance, long waiting patients, paediatric services, mental health services, tertiary services, primary care sustainability, critical care capacity and partnership working to support social care.

In relation to the acute hospitals, the UHB has undertaken an internal demand and capacity exercise to compare the available bed base against best, worst and pre-covid average scenarios. The detail is provided in Table 1 and indicates that there is a 90-bed gap in January 2023.

Table 1. Predicted Bed Gap

Cardiff & Vale Projected Gap (Excluding Mental Health)								
Clinical Board	Year	Scenario	Nov	Dec	Jan	Feb	Mar	Apr
Medicine	2022-2023	Predicted Worse case	114	120	152	147	148	137
Medicine	2023-2024	Predicted Worse case	56	67	90	82	76	56
GAP								

Figures exclude critical care

In order to address this challenge, the UHB has worked to define key actions that can be taken to mitigate the gap. Many of these actions are already in progress with increased benefits likely to be realised in the months ahead. Examples of these have been included in the winter presentation and clearly indicate the significant work undertaken by clinical boards, supporting the six goals urgent and emergency care agenda. The presentation has been added to this covering paper as supporting information.

A number of additional schemes have also been proposed which will help either close the potential bed gap or act as a critical enabler to ensure the UHB is able to achieve its key priorities. This approach and the schemes which are encompassed will need approval from the UHB Senior Leadership Board.

A summary of those schemes which have been developed to address the pressure within the acute bed base is provided in Table 2.

Beds/Bed Winter 23/24 Delivery No. Scheme **Clinical Board** Summary Start Mths (£'000) RAG Equiv. EU Redesian f417 Medicine Revised footprint across EU to include develop on a xx space clinical decision unit 8 5 Nov-23 Acute Winter beds - UHL (Medicine 24) UHW (Medicine - supported by Sugery Acute Beds Med/Surgerv 43 Nov 23/Jan 24 £700 3/5 19) Increase operating hours for medical SDEC to further allievate inappropriate Medical SDEC Medicine 6 Oct-23 admission Increased ICAU beds if needed by 13 beds f250 ICAU - (Nursing Home) Specialist 13 3 lan-24 Nov-23 Critical care Specialist Increase capacity in critical care by three beds / further enhance PART 6 5 Develop short stay area Enhance short stay area for trauma patients to support increased trauma activity 5 Nov-23 -Surgery for trauma both general and MTC Extend virtual ward Enhance the virtual ward pathways in both surgery and medicine linked to SDEC 4 Dec-23 Surgery/Medicine models pathways Virtual Ward 5 Nov-23 Medicine/Surgery Extend virtual ward opportunities -**Protect Elective Surgery** Children and Use planned care recovery resource from WG to ringfence capacity and deliver 6 Oct-23 _ for Children Women stable levels of paediatric operations throughout the winter month 10 Trusted Assessors IDS/LA Develop plans to introduce trusted assessors in hospital setting 4 Dec-23 Clinical board/IDS and Ops work on implementation plan to reduce LOS in key 11 Super stranded patients Operations 26 4 Dec-23 specialities 10% reduction in Green 12 IDS and LA team develop and implement plan to reduce green POCD by 10% 10 3 lan-24 patients 13 PCIC 100% coverage and improved utilisation for UPCCs 5 Nov-23 UPPC coverage First step to create crisis MDT team to support alternatives to EU attendances and PCIC/Social 14 Safe @ Home 3 lan-24 admissions Patient Flow & Site Transport and staffing costs to boost resources and support processes through 15 Patient Flow Team 4 Dec-23 £100 support winte Expand inclusion service for people who struggle to access health services within 16 PCIC 2 6 Oct-23 Health Inclusion service £100 our communitie 108 **Total Beds** £1,567

Table 2. Actions to Deliver Winter Plan 2023-2024

Finance

The indicative costs have been developed in conjunction with the finance team with further work underway with Clinical Boards and their business partners. The work is being overseen by the Director of Operations for Six Goals and the Deputy Director of Finance. Over the next few weeks, through the operational planning group, a more detailed costings will be signed off operationally, however the funding available will need to sit within the £1.5m reserve. As detailed in Table 2, some schemes are already funded or are being absorbed within the clinical boards, others are requested for recurrent funding as previously noted.

As part of the ongoing work, there will be an assessment of released resources through the bed reduction programme to cost re-opening of beds. There is clarity that the organisation cannot resource additional beds over and above the resources released as part of the savings plan and clinical boards will need to ensure services are delivered accordingly.

Conclusion

The Health Board and its partners recognise the challenges facing the health system through winter months. It is critical that we plan and implement schemes that can in part mitigate these pressures. This paper, and the associated winter planning slides, outlines the pressures and the schemes that we believe will mitigate these to keep our population safe. Finally, it sets out the aim to integrate winter planning into our annual planning cycle ensuring consistency and clarity of approach and delivery. In order to facilitate this the recurrent allocation of the winter reserve is requested. Key issues and recommendations are laid out below

Executive Director Opinion and Key Issues to bring to the attention of the Board/Committee:

Significant system wider pressure presents an unprecedented challenge for the UHB winter plan:

- 1. Winter planning has commenced in conjunction with our partner organisations
- 2. There is ongoing uncertainty as to the impact of a number of variables including covid, respiratory viruses, workforce pressure and industrial action
- 3. The UHB estimates a potential capacity gap of 90 beds, peaking in January 24
- 4. A number of actions have been implemented, with more proposed, across Health and Social Care to mitigate the winter pressures
- 5. The actions have been agreed through the Operational Delivery Group
- 6. The total cost of is £1.57m which can be off-set against the health board winter reserve.
- 7. There is no expectation of additional central funding for winter pressures
- 8. Senior Leadership Board has recommended that the operational and financial teams progress with the winter plan as described, subsequent is agreeing the correct mechanism for the recurrent allocation approach

Recommendation:

Finance and Performance Committee are asked to:

- **NOTE** the UHB Winter Plan 23/24.
- **APPROVE** a revised approach to seasonal planning, including the recurrent allocation of the £1.5m winter reserve

Link to Strategic Objectives of Shaping our <i>Please tick as relevant</i>	Future	Wellb	eing:					
1. Reduce health inequalities		6.	Have a planned care system where demand and capacity are in balance					
2. Deliver outcomes that matter to people	X	7.	Be a great place to	Be a great place to work and learn				
3. All take responsibility for improving our health and wellbeing		8.	Work better together with partners to deliver care and support across care sectors, making best use of our people and technology					
4. Offer services that deliver the population health our citizens are entitled to expect	X	9.	Reduce harm, waste and variation sustainably making best use of the resources available to us					
5. Have an unplanned (emergency) care system that provides the right care, in the right place, first time	X	10.	10. Excel at teaching, research, innovation and improvement and provide an environment where innovation thrives					
Five Ways of Working (Sustainable Development Principles) considered Please tick as relevant								
Prevention	egratior	ו	Collaboration		Involvement			
Impact Assessment: Please state yes or no for each category. If yes please provide further details. Risk: Yes/No								

n/a	
Safety: Yes/No	
n/a	
Financial: Yes/No	
n/a	
Workforce: Yes/No	
n/a	
Legal: Yes/No	
n/a	
Reputational: Yes/No	
n/a	
Socio Economic: Yes/No	
n/a	
Equality and Health: Yes/No	0
n/a	
Decarbonisation: Yes/No	
n/a	
Approval/Scrutiny Route:	
Senior Leadership Board	7 th September 2023
Finance Committee	20 th September 2023
Board	28 th September 2023





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Winter Plan 2023-2024 Finance and Performance Committee 20th September 2023

INTRODUCTION

2/19



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Each year the UHB delivers a winter plan to strengthen our services in this challenging period. We would like to....





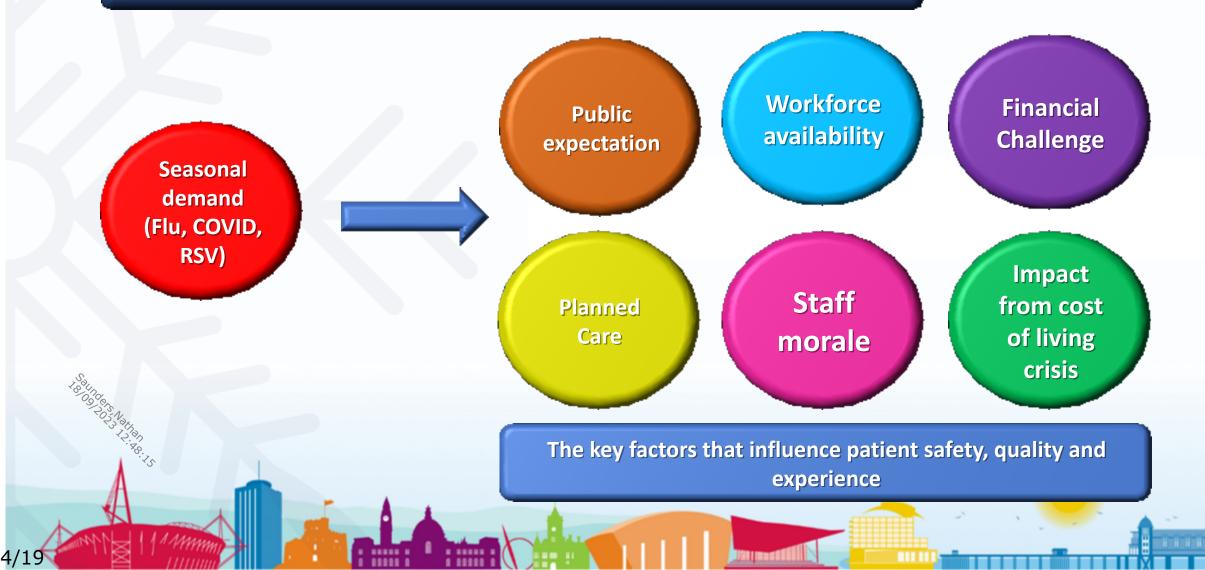


Key Factors impacting on Winter



GIG
CYMRUBwrdd lechyd Prifysgol
Caerdydd a'r FroNHS
WALESCardiff and Vale
University Health Board

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Seasonal Demand Challenges & Assumptions

Cardiff & Vale Projected Gap (Excluding Mental Health)									
Clinical Board	Year	Scenario	Nov	Dec	Jan	Feb	Mar	Apr	
Medicine	2022-2023	Predicted Worse case	114	120	152	147	148	137	
	2023-2024	Predicted Worse case	56	67	90	82	76	56	

5/19

Bed Gap

Critical Care 5% busier with a peak in Jan '23 The emergency unit attendance will remain -6 bed gap relatively stable

Emergency Unit Attendances

The seasonal bed capacity gap this year has reduced when comparing with last years figures. The next slides will highlight the service improvements helping our position



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What we have been working on?



Frailty area in UHW helping patients get home quicker

Ringfenced our Acute Medicine Short Stay Unit

Focus on reducing delayed ambulance handovers

GPs talking directly to an acute physician for patients needing urgent care

FRONT DOOR & ACUTE CARE

6/19

Creation of "virtual wards" where nurses and physicians monitor patients at home

"Same day emergency care units- SDEC" for medicine and surgical patients

Redesign our acute medicine model (90 bedded acute assessment and short stay unit)

Moved out site hub into the emergency unit to support joint working and flow

What we have been working on?



LOCAL AUTHORITY, HOSPITAL AND COMMUNITY (PARTNERSHIP WORKING) **Opened sixty seven integrated assessment care beds** (LAKESIDE)

Building relationships between partners (LA / IDS teams)

Working with local authorities increasing spot placement beds

Focus on understanding delays for patients in hospital

Creating additional out of hospital support through our community teams (CRT/VCRS)

Increase therapies support to help re-able patients in our community beds

Discharge to recover and assess with rapid response domiciliary care

Further development of trusted assessors over wide range of areas to speed up assessment

What we have been working on?



PRIMARY & INTERMEDIATE CARE AND MENTAL HEALTH

8/19

Urgent care centres now covering 76% of our population

CAV 24/7 seeing over 3000 patients face to face monthly

GPs working together to support our most vulnerable patients in the community

Setting up a service for patients to call with mental health concerns (111-2)

Mental health crisis teams working closely with third sector

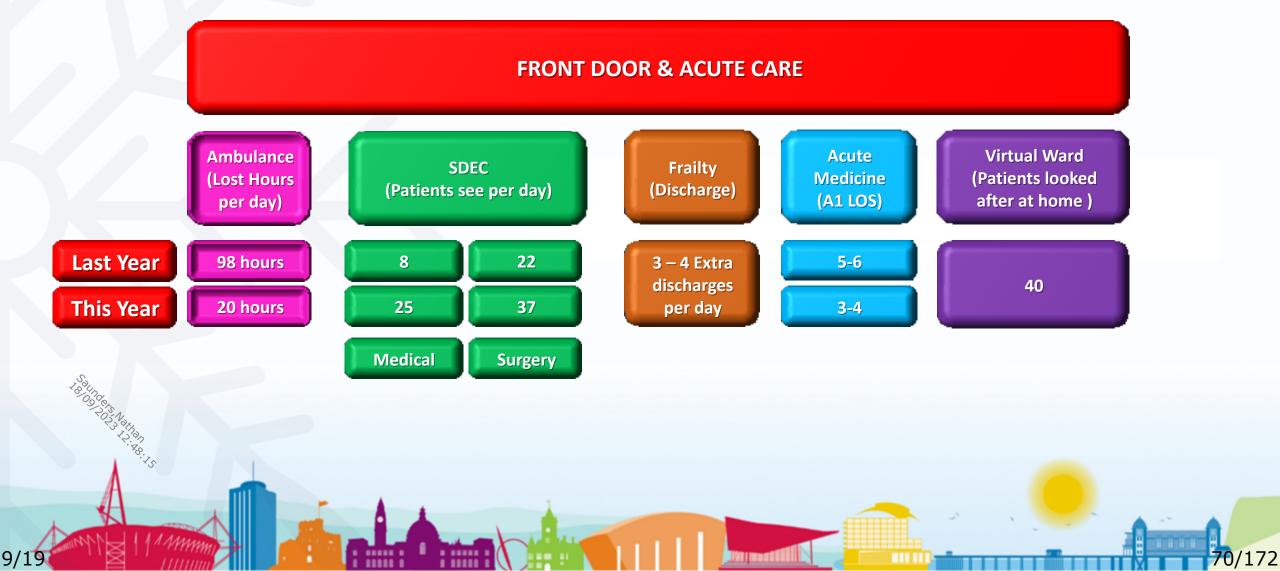
Mental Health Matters – Supporting early discharge for our older people

Protecting our population and our staff through immunisation

What's the impact been?



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What's the impact been?



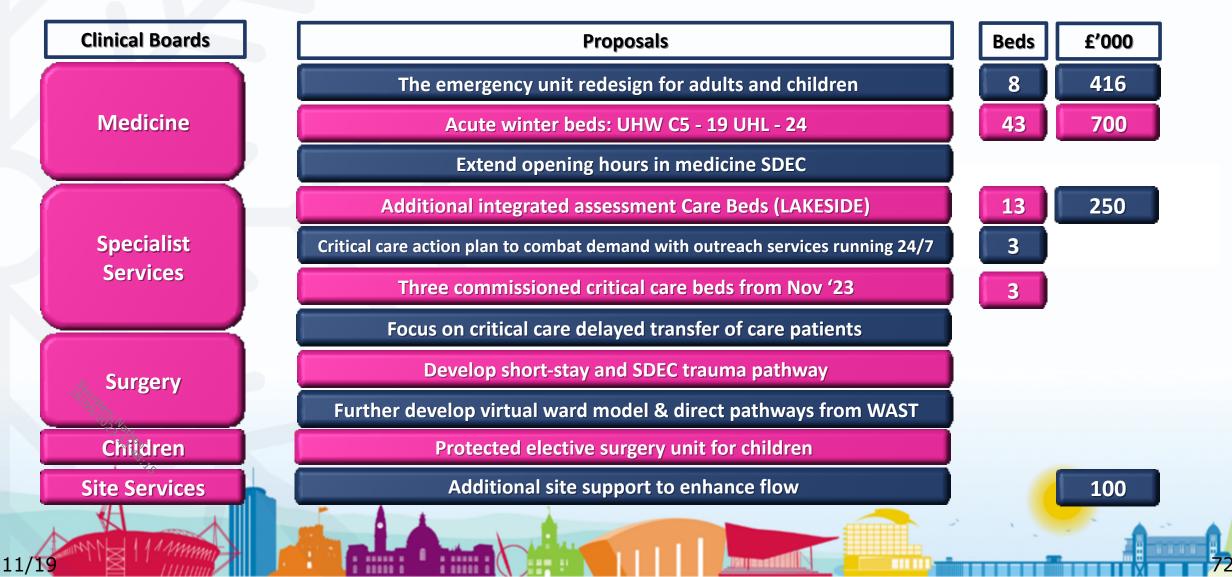
Bwrdd lechyd Prifysgol Caerdydd a'r Fro Cardiff and Vale University Health Board



Proposals to address the challenge



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Proposals to address the challenge



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STAFF WELLBEING

· 70.

13/19

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Employee Wellbeing Support Pathway



How am I feeling?	What might help me?	How can I support others?
I feel well and want to stay emotionally healthy	Free online resourcesWellbeing appsWellness initiatives• Mind UK: www.mind.org.uk• Headspace• Doing Our Bit: doingourbit.org.uk• Dewis Cymru: www.dewis.wales • Centre for Clinical Interventions: www.cci.health.wa.gov.au• Unmind • Worry Tree• Reading Well: reading-well.org.uk	 'CAV a coffee' with a colleague Train to become a 'Wellbeing Champion'
I am beginning to struggle with my emotional wellbeing	 Chat with your line manager or a wellbeing champion in your team Free courses EWS workshops: sign up on <u>Eventbrite</u> and follow us on <u>Twitter</u> @EWS_CAVUHB to hear about upcoming workshops Recovery College courses: <u>www.recoverycollegeonline.co.uk</u> Stepiau courses: <u>www.stepiau.org</u> Silver Cloud: <u>nhswales.silvercloudhealth.com</u> 	 End of shift check ins Comerados: <u>www.camerados.org</u> Contact EWS for support on your ward/department
I am struggling with my emotional wellbeing	Self-refer toWorkplace advice and support• Employee Wellbeing Service: Email:employee.wellbeing@wales.nhs.uk Call: 02921 844 465• Remploy: www.remploy.co.uk • ACAS: www.acas.org.uk • HSE: www.hse.gov.uk/stress• Canopi: canopi.nhs.wales • Contact your GP• Health and Safety policies • Trade Unions	 Suicide Awareness Training: <u>www.zerosuicide</u> <u>alliance.com</u> <u>Mindful employer</u>
I am really struggling with my emotional wellbeing	In crisis?• Contact your GP or NHS out of hours service by calling 111Keeping yourself safe • Staying Safe website: stayingsafe.net • #StayAlive app: www.stayalive.app	

Financial Wellbeing and support with the cost of living



A financial wellbeing pathway, including links and signposting, can be found on the CAV internet: <u>Employee Wellbeing Service - Cardiff and Vale University Health Board</u> (<u>nhs.wales</u>) This includes:

Information on Staff Benefits: <u>Staff Benefits - Cardiff and Vale University Health</u> <u>Board (nhs.wales)</u>

The Credit Union offers savings accounts and affordable loans to anyone living in Cardiff or the Vale of Glamorgan or working anywhere in Wales: <u>Cardiff & Vale</u> <u>Credit Union | Home (cardiffcu.com)</u>

Free courses and advice on budgeting and support available via: Free and impartial help with money, backed by the government | MoneyHelper Find out if you are accessing all you are entitled to: Benefits - Citizens Advice If you are a member of a trade union, help may also be available to you in the form of a grant.



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HOW WE COMMUNICATE

Joanne Brandon, Director of Communications

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COMMUNICATIONS AND ENGAGEMENT WINTER PLANNING 2023/4

18/19



Bwrdd Iechyd Prifysgol
 Caerdydd a'r Fro
 Cardiff and Vale
 University Health Board

Internal Communications	Stakeholder Communications	External Communications & Campaigns	Proactive Communications
Ask Suzanne Winter Communications Toolkit Personalised Messaging via Sharepoint CAV Connects Roadshows Screensavers Social Media	Stakeholder Briefings Political Briefing Chief Executive Connects Senior Leadership Board Local Partnership Forum Individual Stakeholder Meetings	Public Health Winter Prevention & Safety Messaging Winter Vaccination & Immunisation Strategy	Media Roundtable BBC Saving Lives Individual Case Studies Ministerial / VIP Visits



INTERNAL TIMELINE



September 7th SENIOR LEADERSHIP BOARD September 20th & 28th FINANCE AND DELIVERY COMMITTEE BOARD

October/November WINTER ROADSHOWS

Support from Senior Leadership Board

NEXT STEPS

- Further co-production to solidify plans with all stakeholders through weekly operational meetings
- Firm up dates with Local Partnership Forum
- Sign-off approach and utilisation of Winter reserve through Finance and Performance committee (20th)
- September 2023)

- Share and sign-off through Board (28th September 2023)
- Undertake series of Roadshows both within organisation and with partners to socialise plan

Report Title:	Regional Integration 2023-24	Fund Q1 reports		Agenda Item no.	2.3	
Meeting:	Finance and Performance Committee	Public Private	X	Meeting Date:	20 September 2023	
Status (please tick one only):	Assurance	Approval		Information		Х
Lead Executive:	Executive Director of	Strategic Planning				
Report Author (Title):	Head of Partnerships	s and Assurance				
Main Report Background and cur	rent cituation.					
to requirements of th and develop services and the third sector; our population. This paper provides presented to Welsh assurance, this pape	e of Glamorgan Region ne Social Services and s to secure better joint and to ensure effectiv an overview of the fina Government as part of er also includes a loca n-wide Strategic Leade	d Well-being (Wales t working between lo re services, care and ancial performance f the Q1 reporting re I summary of our wo) Ac ocal d su of th equir	t 2014. Its purpo health boards, I pport that best r ne Regional Inte rements for 2023	ose is to manage ocal authorities neet the needs of gration Fund (RIF 3 to 24. For furthe	f F)
Executive Director C	Dpinion and Key Issues	s to bring to the atte	ntio	n of the Board/C	committee:	
requirements. The fi behalf of the Region	ing period was delaye nal report was present al Partnership Board o nt in draft form on 31 st	ted for ratification by on 11 th September 2	y the	Strategic Lead	ership Group on	əd
to its financial risk as c.£1.8m in 23/24. Th	of all RIF-funded eleme ssessment. The RPB h ne overcommitment is art of the 1000 beds pr	has identified a fore due to agreed expe	cast nditi	overcommitmenure to sustain ac	nt of the RIF of Iditional capacity	
 D2A spot purchasin D2RA domiciliary of Associated agency Glain House contra 	care purchasing v social worker capacit	у				
the end of Quarter 1 set out a number of	ancial year, indicates th , we will bring that ove requirements to ensur ancial sustainability pla	ercommitment back re that this is achieve	to th	e budget availa	ble. The SLG has	
The following contro possible:	l measures have beer	n set in place to cont	trol a	and reduce expe	enditure whereve	r
current spend come in unde	ts are currently foreca ling patterns and the p rspent as per Q1 forec rease the underspend	predicted full year sp cast. Projects are al	bend so re	as reported at equested to red	Q1 this year, i.e. t uce expenditure	

further, to increase the underspend as at the Q1 forecast. If projects are anticipating an increased spend from Q2, this needs to be curtailed.

- b) For projects currently predicted to spend their full allocation by year-end, to develop options to reduce this in-year.
- c) To avoid artificially creating expenditure to spend to the full project budget allocation.
- d) To not cross-subsidise other organisational activities unless agreed and prioritised by the partnership
- e) To review each vacancy as it arises and consider if the role could be stopped, paused or diverted to core intermediate care/system services.
- f) To consider whether project-related roles could be diverted to key vacant roles
- g) To stop any further planned or future procurement activities unless explicitly agreed by the partnership
- h) The use of any slippage arising from project budgets will be managed and determined centrally, across all projects, rather than by individual projects.

SROs have been asked to assess all of the projects and / or programmes for which they hold responsibility and to provide an assessment of the ability to deliver the control measures set out above and will include an assessment of the risks and consequences associated with the proposal. This exercise will be completed by 20th September in readiness for consideration by an executive level, cross partnership panel on 22nd September, 23. Further information on the outcome of this report will be provided as part of the Q2 report to the Finance and Performance Committee in November 2023.

Recommendation:

The Finance and Performance Committee is requested to:

- note for information the Q1 report;

- note the partner-wide financial review of the RIF.

Link to Stra Please tick as		Objectives of ant	Shaping	our Fut	ure \	Nellbeing:						
1. Reduce	e heal	th inequalities		√	6.	Have a planned c demand and capa			\checkmark			
2. Deliver people	outco	mes that matt	ter to	√	7.	Be a great place t	o work	and learn	\checkmark			
3. All take responsibility for improving our health and wellbeing 8. Work better together with partners to deliver care and support across care sectors, making best use of our people and technology												
-	ion he	s that deliver t ealth our citize pect		✓	9.	Reduce harm, wa sustainably makir resources availab	ng best	use of the	✓			
care sy	stem	lanned (emero that provides t ight place, firs	the right	✓	10.	10. Excel at teaching, research, innovation and improvement and provide an environment where innovation thrives						
Five Ways Please tick as			able De	velopm	ent F	rinciples) consider	ed					
Prevention		Long term	In	tegratio	n	Collaboration		Involvement	~			
Impact Ass Please state			gory. If ye	s please	provid	le further details.						
Risk: Yes	2.9h											
						y and actual perform performance reportin		r each priority cor	ntinue to			
Safety: Yes												

Safety is a consideration at specific project level where appropriate.

Financial: Yes

The Regional Integration Fund guidance requires partners to demonstrate match funding to various degrees across the programme. In addition, partners are expected to demonstrate how services will be supported by core funding as the programme progresses. This has been highlighted as a significant risk within the programme and an appropriate management response is being considered by the Strategic Leadership Group currently.

Workforce: Yes

The capacity and development of our workforce will be fundamental to ensuring delivery of each project within the RIF. Workforce considerations are included within delivery plans for each project.

Legal: Yes

Any legal implications from delivery of specific commitments will be addressed within the delivery plans for each project area.

Reputational: Yes

The RIF contains a series of challenging commitments for focused work over the next 4 years. It will be important for the UHB to be seen to demonstrate ongoing commitment and support to enabling delivery.

Socio Economic: Yes

The RIF has been developed in direct response to WG guidance which outlines the specific needs of key population groups across our region including those with various socio-economic disadvantages e.g. older people, children, people with learning disabilities, etc. The delivery plans for each project include an overview of engagement intentions and the outcomes to be achieved as a result.

Equality and Health: No

Given the broad nature of the RIF, Equality Health Impact Assessments (EHIA) will be undertaken for each project where necessary.

Decarbonisation: Yes

Decarbonisation is a shared commitment for all partners within the RPB and project delivery plans will be required to take this into account where appropriate.

Approval/Scrutiny Route:	
Committee/Group/Exec	Date:



Ring Fenced Projects & Infrastructure instructions

Ring Fenced Programmes & Infrastructure	Statutory Partners	Total Investment	WG Initial Allocation	WG Live Allocation	Yea	r 1 Ring Fenced &	Infrastructure, D	rawdown Forecas	ts	Y	ear 1 Ring Fence		ure, Drawdown	Actuals	
IAS					Q1 Forecast	Q2 Forecast	Q3 Forecast	Q4 Forecast	Total	Q1 Actual	Q2 Actual	Q3 Actual	Q4 Actual	Total	
IAS Project #1			£ 168,888.00	£ 168,888.00	£ 50,000.00	£ 60,000.00	£ 38,444.00	£ 20,444.00	£ 168,888.00	£ 26,000.00	1			£ 26	6,000.00
Dementia Action Plan		£ -													
Dementia Project #1			£ 589,000.00	£ 589,000.00					£ -					£	-
Dementia Project #2			£ 600,000.00	£ 600,000.00											
Memory Assessment		£ -													
MAS Project #1			£ 155,000.00	£ 155,000.00					£ -					£	-
Unpaid Carers		£ -													
Unpaid Carers Project #1			£ 145,000.00	£ 145,000.00					£ -					£	-
RIF Infrastructure 75%		£ -													
Total		£ 1,657,888.00	£ 1,657,888.00	£ 1,657,888.00					£ -					£	
					£ 50,000.00	£ 60,000.00	£ 38,444.00	£ 20,444.00	£ 168,888.00	£ 26,000.00	£ -	£ -	£ -	£ 26	6,000.00

1 Provide the title of the projects utilising the ring-fenced allocations for each of the four priority areas in column B under their respective headings. 2 Only complete columns E and F with the amount of ring-fenced funding allocated to each project

3 If you have more projects than rows provided, insert as many rows as required by selecting the row number, left click on mouse and insert.

Any allocated funding above the ring-fenced amount will need to be included in acceleration or embedding. You may duplicate the project titles if you are splitting the budget 4 between ring-fenced and the wider allocation. In this instance please ensure it is clear how much the project will be covered by ring-fenced budget and how much will be covered

under accleration or embedding.

5 Provide forecast figures for each project in Q1 - Q4 amounting to the total WG Live Allocation.
6 Provide actual figures for each project the relevant quarter - column N for Q1.

Models of Care & Project Contributions

Year 1 Acceleration Phase						Year 1 Acceleration Phase, Drawdown Forecasts						Year 1 Acceleration Phase, Drawdown Actuals				
Models of Care & Project Contributions	Statutory Partners	Total Investment	WG Initial Allocation	WG Live Allocation	Q1 Forecast	Q2 Forecast	Q3 Forecast	Q4 Forecast	Total	Q1 Actual	Q2 Actual	Q3 Actual	Q4 Actual	Total	Variar	
CBC - Prevention & Community Coordination		£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£	
Project a		£ -							£ -					£ -	£	
Project b		£ -							£ -					£ -	£	
Project c		£ -							£ -					£ -	£	
Project d		£ -							£ -					£ -	£	
Project e		£ -							£ -					£ -	£	
CBC - Complex Care Closer to Home		£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£	
Project a		£ -							£ -					£ -	£	
Project b		£ -							£ -					£ -	£	
Project c		£ -							£ -					£ -	£	
Project d		£ -							£ -					£ -	£	
Promoting Good Emotional Health & Well-being		£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£	
Project a		£ -							£ -					£ -	£	
Project b		£ -							£ -					£ -	£	
Project c		£ -							£ -					£ -	£	
Project d		£ -							£ -					£ -	£	
Supporting Families		£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£	
Project a		£ -							£ -					£ -	£	
Project b		£ -							£ -					£ -	£	
Project c		£ -							£ -					£ -	£	
Project d		£ -							£ -					£ -	£	
Home from Hospital Services		£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£	
Project a		£ -							£ -					£ -	£	
Project b		£ -							£ -					£ -	£	
Project c		£ -							£ -					£ -	£	
Project d		£ -							£ -					£ -	£	
Accommodation Based Solutions		£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£	
Project a		£ -							£ -					£ -	- £	
Project b		£ -							£ -					£ -	- £	
Project c		£ -							£ -					£ -	- £	
Project d		£ -							£ -					£ -	- £	
Programme Total		£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	- £	

For the purposes of the instructions we are using acceleration year 1 above however the following guidence applies to Acc 1,2 Embed 1,2,3 & Maintaining

1 Check that the projects in column B are shown under the correct models of care and funding element.

If a project has multiple funding elements i.e. part in acceleration and embedding, please ensure the project is shown in both and split accordingly.

3 If a project is contributing towards the development of more than one model of care, use the primary model of care for the purposes of finance reporting. 4 Enter the current WG allocated funding into column F please remember to only populate the white cells.

5 Repeat the figures from step 4 into column E

Check that the programme total aligns with the figures expected.
 Provide forecast figures for each project in Q1 - Q4 amounting to the total WG Live Allocation.

8 Provide actual figures for each project the relevant quarter - column N for Q1.

9 Provide the forecast and actual figures for cash and resource match in the relevant columns. For Q1 they are columns V & W for cash and columns AG & AH for resource where the forecast and actual figures for cash and resource match in the relevant columns. For Q1 they are columns V & W for cash and columns AG & AH for resource where the forecast and actual figures for the match is adding up correctly.

Scroll down to Sector

Sector		Required amount		Project A		Project B	Pr	oject C	Pro	oject D	1	Project E	
Social Value 20%		£	-	£	-	£ -	£	-	£		-	£	-
Carers - 5%		£	-	£	-	£ -	£	-	£		-	£	-
Total		£	-	£	-	£ -	£	-	£		-	£	-

1 In column F ensure the total amount based on the 20% and 5% requirement is shown correctly.

2 For each project from whom H onwards please either enter in the amount of social value and carers contribution or using the formula bar adjust the % to reflect the actual by

changing the figure after the *.. 3 Chexk that the totals is adding up correctly

NOTE: This page is automatically populated, do not edit.

	Rin	g Fenced Programm	les	1	fear 1 Acceleratio	on	Y	ear 2 Acceleratio	n		Year 1 Embedding	1		Year 2 Embedding)	'ear 3 Embeddi	ng	Inte	grated Mainstrea	ming			
Programme 2023/24	Allocation	Forecast	Drawdown	Allocation	Forecast	Drawdown	Allocation	Forecast	Drawdown	Allocation	Forecasts	Drawdown	Allocation	Forecasts	Drawdown	Allocation	Forecasts	Drawdown	Allocation	Forecast	Drawdown			
IAS	£ 397,727.00	£ 397,726.99	£ 397,726.99																					
Dementia Action Plan	£ 1,400,000.00	£ 1,402,577.00	£ 1,402,577.00																					
Memory Assessment	£ 100,000.00	£ 97,423.04	£ 97,423.04																					
Jnpaid Carers	£ 144,000.00	£ 144,000.00	£ 144,000.00																					
Short Breaks for Carers																								
22/23)	£ 172,237.00																							
RIF Infrastructure (75%)	£ 750,000.00	£ 765,605.85	£ 765,605.85																					
CBC - Prevention					£ 511,827.00		£ 798,000.00			£ 6,349,443.00	£ 5,959,281.00	£ 6,038,549.00	£ 5,522,812.00	£ 4,573,032.51	£ 4,573,032.51	£ -	£ -	£ -	£ -	£ -	£ -			
CBC - Complex Care				£ 2,973,000.00	£ 3,653,655.00	£ 3,605,804.00	£ 2,973,000.00	£ 1,867,988.68	£ 1,867,988.68	£ 650,701.00	£ 725,429.00					£ -	£ -	£ -	£ -	£ -	£ -			
Health & Well-being				£ -	£ -	£ -	£ -	£ -	£ -	£ 635,000.00	£ 576,506.00		£ 618,712.00			£.	£ -	£ -	£ -	£ -	£ -			
Supporting Families				£ -	£ -	£ -	£ -	£ -	£ -	£ 2,130,753.00	£ 1,977,414.00		£ 2,156,000.00			£ -	£ -	£ -	£ -	£ -	£ -			
Home from Hospital				£ -	£ -	£ -	£ -	£ -	£ -	£ 2,599,000.00	£ 2,732,390.00	£ 2,708,725.00	£ 3,430,710.00	£ 5,345,814.61		£ -	£ -	£ -	£ -	£ -	£ -	Pro	gramme Managen	ient
Accommodation				£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ -	£ 150,000.00	£ 152,860.66	£ 152,860.66	£ -	£ -	£ -	£ -	£ -	£ -	Allocation	Forecast	Drawdown
Programme Management																								
Costs																							£ 245,201.39	
		£ 2,979,569.88	£ 2,979,569.88	£ 3,771,000.00	£ 4,165,482.00	£ 4,031,365.00	£ 3,771,000.00	£ 2,869,147.94	£ 2,869,147.94	£ 12,364,897.00	£ 11,971,020.00	£ 11,992,255.00	£ 12,378,935.00	£ 13,209,599.87	£ 13,209,599.87	£.	£ -	£ -	£ -	£ -	£ -	£ 248,113.00	£ 245,201.39	£ 245,201.35
fotal Allocation	£ 35,497,909.00																							

 Total Allocation
 £ 35,497,909.00

 Total Forecast
 £ 35,440,021.09

 Total Drawdown
 £ 35,327,139.09

Total Allocation	Total Forecast	Total Drawdown	Total MF
£ 750,000.00	£ 765,605.85	£ 765,605.85	£ 250,000.00
£ 13,468,255.00	£ 12,045,299.77	£ 12,038,301.77	£ 5,265,442.62
£ 7,097,402.00	£ 6,808,957.43	£ 6,757,684.43	£ 1,154,124.67
£ 1,253,712.00	£ 1,145,360.28	£ 1,136,915.28	£ 537,305.14
£ 4,286,753.00	£ 3,984,567.07	£ 3,962,066.07	£ 1,837,179.86
£ 6,029,710.00	£ 8,078,204.61	£ 8,054,539.61	£ 2,584,161.43
£ 150,000.00	£ 152,860.66	£ 152,860.66	£ 64,285.71
£ 33,035,832.00	£ 32,980,855.66	£ 32,867,973.66	£11,692,499.43
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RIF Cardiff & Vale	Allocation & 19,342,612.00 & 19,342,612.00	Regional Integratio	in Fund - Finance Tracker 023 - 24	Read Balance Balance
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Underspend / Overspend narrative

-Please complete columns L and M to outline your current position within each project. We expect a short description on any underspends and how you intend on recovering the project timeline. -Please do not alter any figures within columns D to K as these are auto-populated from the information you have provided within the 2022-23 tab.

Project Project Level Summary Total Investment Initial Allocation Live Allocation Allocation Q1 Variance Q2 Variance Q3 Variance Q4 Variance Steps to take in next quarter Underspend / Overspend Narrative t Home Access £ 1,442,857.14 £ 1,010,000.00 £ 1,010,000.00 Right Support, Right Time 494,047.00 £ 494,047.00 £ 494,047.00 Additional staffing 22/23 only 2/23 only Early intervention and prevention 183,000.00 £ 183,000.00 £ 183,000.00 Access (Embed) £ 1,442,000.00 £ 1,442,000.00 £ 1,442,000.00 /acancies Other schemes to offset slippage At home accelerated cluster £ 1,042,000.00 £ 1,042,000.00 £ 1,042,000.00 dditional discharge facilities 2/23 only Other schemes to offset slippage Health and Wellbeing Centres (Embed) Vacancies /ale Alliance (Embed) 261,152.86 £ 182,807.00 £ 182,807.00 Children Learning Disabilities £ 1,111,001.00 £ 1,111,001.00 £ 1,111,001.00 Other schemes to offset slippage Vacancies Fit for my Future 715,287.14 500,701.00 500,701.00 No Wrong Door 399,588.57 £ 279,712.00 £ 279,712.00 £ Vacancies Other schemes to offset slippage oung Carers 224,285.71 £ 157,000.00 157,000.00 Adult Carers 182,000.00 182,000.00 260,000.00 £ 1,968,571.43 £ 1,378,000.00 £ 1,378,000.00 Right support, right time, right person Vacancies Other schemes to offset slippage CYP with complex needs - community 1,111,428.57 £ 778,000.00 £ 778,000.00 £ 1,724,285.71 £ 1,207,000.00 £ 1,207,000.00 Access - hospital to home Vacancies Other schemes to offset slippage ntermediate care - bedded reablemen 3,176,728.57 2,223,710.00 2,223,710.00 acancies Other schemes to offset slippage 214,285.71 £ 150,000.00 £ 150,000.00 laving my own Home 886,666.67 £ termediate Care (Accelerate) 798,000.00 798,000.00 Delaved recruitmen Other schemes to offset slippage #REF! complex Care for Children and young people (CYP 2,347,777.78 2,113,000.00 2,113,000.00 Additional childrens placements pending start of acc scheme 22/23 only from slippage pporting People with Learning Disabilitie 955,555.56 860,000.00 860,000.00 2/23 only Delayed scheme start recruitment #REF! AB Ring Fenced Programmes & Infrastructure £ 3,184,964.00 £ 2,963,964.00 £ 2,963,964.00 Programme Management Costs 248,113.00 248,113.00 248,113.00 £ 23.393.596.43 £ 19.304.055.00 £ 19.304.055.00 Total #REF!



Quarter 4: Revenue Return Summary

APPROVALS: CARDIFF & VALE											
Signed on behalf of:	Name	Position	Signature	Date							
Regional Partnership Board (Chair)											
Health Board (C&V)											
Regional Finance Lead											

1884 Inderson Automatical States





@Home Programme

Area Plan Commitment:

People will be able to age well at home with more opportunities for wellbeing and independence. Services will reflect the diversity of people as they age well.

Overview of Programme:

The @Home programme aims to establish integrated, locality-based, health and care services focused on meeting and improving the health and wellbeing of the local population, based on the ambitions of A Healthier Wales. Included in the scope of the programme are:

- Statutory and third sector community health and care-related services
- Leadership and workforce model
- Joint commissioning model
- Prevention and early intervention model
- Enabling digital solutions
- Locality assets health and wellbeing centres, community hospitals
- (Homelessness programme and Children and Young People programme are out of scope)

Programme Aims

- Accelerated cluster development of integrated, multiagency teams
- 2. Consistent intermediate care model incl. Safe@Home
- 3. Alliance approach development in the Vale
- Barry hospital/Health and Wellbeing Centre and North Cardiff Health and Wellbeing Centre feasibility and delivery
- 5. Single access route into all community services
- Digital and intelligence (crosscutting enabler): integrated care record across systems, shared business intelligence, tech-enabled care

What Happened in Q1 23-24:

- Recruitment of a new Integrated Discharge Hub Manager
- Recruitment of an interim Integrated
 Discharge Service Manager
- Engagement and development of a draft service specification for a new Crisis Response Intermediate Care (Safe@Home) service
- Engagement on locality plans, building on the MDT cluster/locality model
- Maturity matrix to review cluster working across the region developed, to inform future development work
- Vale engaged on MDT cluster working to begin reporting and aligning services for equity across the region
- Online website and comms materials developed to engage citizens and staff
- Development of business case for Safe@Home

What's Next for Q2?

- Development of the Integrated Discharge work in line with national models around Pathways of Care Delays and Trusted Assessor models
- Completion of a business case for the Safe@Home service for review through governance to secure funding
- Finalisation of proposed locality models with short and medium term plans
- Continue promotion and engagement on the programme in line with 6 Goals, Shaping Our Future Wellbeing and Ageing Well strategies
- Discussions planned with Vale to review the Vale Alliance work and Ty Dyfan (bedded reablement) taking place in September
- Review of bedded reablement work with service leads (including D2A, D2RA and Accommodation Solutions work) to evaluate utilisation and ongoing requirements and performance expectations moving forward

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Timeline for Deliverables:

0		Q1-2023	3		Q2-2023			Q3-2023			Q4-2024	1
I PUL	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Development of a crisis response service moder												
Crisis response business case complete												
Recruitment, resourcing and development of processes for crisis response												
Implementation of crisis response pilot												
Scoping of further rollout of MDT model												
Workshops to develop Locality model building on MDT												





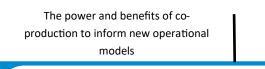
@Home Programme

RIF Projects and Funding:

Project plus one sentence de- scriptor	Top 3 Baseline Targets	Current Overall Performance (RAG status)	Comment
Access—prevention: single point of access to step up and preventative community services	Increased numbers of people contacting a single point of access-baseline 39,500 contacts per year Reduced reliance on formal assessments and statutory services—baseline 65% needs met through FPOC Increased percentage of peoples needs met through information, advice and signposting-baseline 65%		Financial re- view under-
Access—Hospital to Home: community support in the hospital to support timely and effective discharge	Increased numbers referred to the Integrated Discharge Hub-baseline 4,500 referrals Increase in number of referrals triaged within 1 day Increased number of people moved to their D2RA pathway within 72 hours		way for all projects • Preparation
Intermediate Care—crisis and home based response: developing a new Safe@Home crisis response service and ongoing rightsiz- ing of intermediate care services	Workshops undertaken Recruitment/vacancies filled Decreased waiting time for a service to start		for revised WG reporting
Intermediate Care—bedded reablement: interim accommodation options for dis- charge to asses	Increased numbers of people supported out of hospital Reduced numbers of readmissions to hospital		 Baseline tar-
MDT Cluster: clusters working with an innovative MDT approach including social prescribing and discharge follow-up	Increased number of people supported through an MDT approach-baseline 450 per year Increased number of people supported with Social Prescribing-baseline 750 per year Increase number of people supported through Integrated Care hub-baseline 6,000 contacts per year		gets being reviewed for Q2.
Vale Alliance: developing an integrated governance structure in the Vale	Scope and plans for the Vale Alliance to be developed with new Service Manager		ليد.

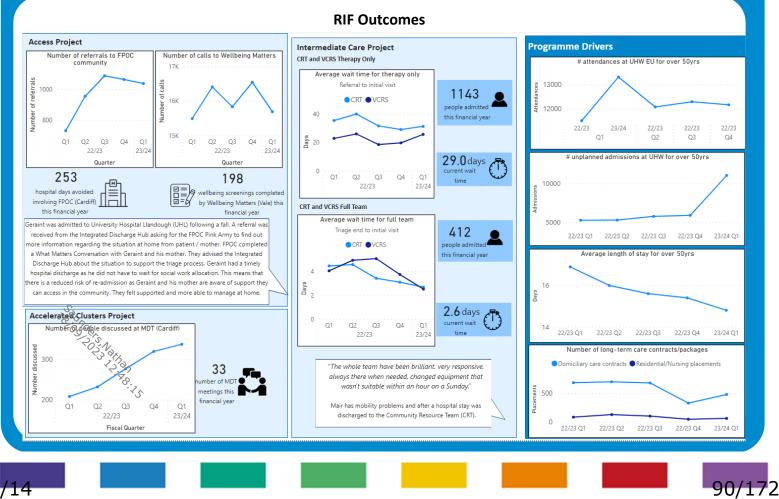
Challenges and Learning:

2/14



Visiting services elsewhere to help shape new crisis-response provision

Improved application of benefits realisation to track and demonstrate impact







Dementia Programme

Area Plan Commitment:

People with dementia will be supported to live well and do the things they need to and enjoy in their communities

Overview of Programme:

The dementia programme aims to raise awareness of dementia and its determinants whilst working to develop community-based services that enable equitable and timely access to diagnosis and person-centred care. Included in the scope of the programme are:

- Compassionate communities who are aware of their risk factors through a coordinated campaign of raising awareness and an increased number of 'dementia friendly' communities
- Community-based care and support through increasing advocacy in the design of person-centered care plans and service developments
- Clear community-based pathways for timely assessment and diagnosis
- The Dementia Friendly Hospital Charter
- A regional approach to dementia care learning and development
- Measuring and benchmarking progress with people affected by dementia
- Focused Communications and Engagement Plan, to engage those affected by Dementia and those who are underrepresented.

Programme Aims

- 1. Develop a **prevention strategy** and delivery programme
- 2. Develop Dementia Friendly environments
- Ensure wraparound community care and support is available and responsive
- 4. Increase training and support for Advance Care Planning
- Provide smooth and timely assessment and diagnosis as close to home as possible
- 6. Provide initial advice, support, information and signposting
- 7. Deliver on the **Dementia** Friendly Hospital Charter

What Happened in Q1 23-24:

- 209 staff informed level and 104 skilled staff via the Good Work Framework
- 7 GPs run 14 clinics per month across 6 clusters
- 505 organisations supported to become Dementia Friendly businesses across the region with 68 organisations pledged to become Dementia Friendly
- c.1850 interactions this quarter between inpatients and third sector partners to keep people engaged and interacted
- Increase in care and support though Memory Link Worker and Community Teams
- Co-produced event with 30 partners across H&SC and 3rd sector with a focus on underrepresented community was a huge success.
- Improved data capture processes to better measure success and support future planning

What's Next for Q2?

- Strengthen dementia pathway through implementation of Dementia Friendly Hospital Charter and National Audit of Dementia recommendations
- Increase support for those with diagnosis in the community
- Continue the work of Dementia Friendly businesses
- Support implementation of the Good Work Framework
- Strengthen data capture and measurement to benchmark, celebrate and reflect on success
- Continue to build on the existing programme of work

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Timeline for Deliverables:

S.	Q1-2023			Q2-2023			Q3-2023		Q4-2024			
1 Ball	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Develop dementia friendly pathways through WAST and Unscheduled												
Care												
Develop resources of dementia risk reduction												
Dementia learning and development PAC training												
Develop Dementia Champions Network engagement and co-production												
Develop measurement work to deliver on the requirements of the												
agreed data items.												
Dementia Care mappers cohort training session												





Dementia Programme

RIF Projects and Funding:

Project	Top 3 Quarterly Baseline Targets	Current Overall Performance (RAG)	Comment
Assessment and diagnosis—supporting timely diag- nosis for people with dementia in the community through GP led clinics	Increased number of GP assessments-baseline 70 Increase in diagnosis regionally—baseline 100		 Financial re- view underway for all projects
Community care and support-providing intensive care and support to people living with dementia through CRT/VCRS, memory link workers and social work teams	Increased referrals for Memory Link Workers-baseline 175 Increased CRT/VCRS referrals-baseline 160		 Preparation for revised WG reporting pro- cess
Training and development-supporting training for paid and unpaid carers in skills for supporting peo- ple with dementia	Increase in staff trained to informed level-baseline 100 Increase in staff trained to 'skilled' level-baseline 100		 Baseline targets being identified for O2
Dementia Friendly Businesses-improving communi- ty understanding and support for dementia through accessibility, awareness and training	Increase in Dementia Friendly businesses-baseline 50 Increase in Dementia Friendly pledges-baseline 20		101 02
Engagement and activities in the hospital with inpa- tients to support delivery of the Dementia Friendly Hospital Charter	Increase number of interaction with patients in acute settings—baseline 1,900 Increased number of activity sessions held		

Standalone programme strands encouraged gaps and duplication

4**/1**-

Challenges and Learning:

Translating new national standards and recommendations into local action Greater use of evidence, particularly from people affected by dementia, to inform future delivery







emPOWER Programme

Area Plan Commitment:

Work together to keep our babies, children and young people healthy, well and safe from harm; and deliver a Nurturing, Empowering, Safe and Trusted (NEST) approach to emotional wellbeing and mental health.

Overview of Programme:

The emPOWER programme aims to deliver an integrated care model for infants, children, young people and their families with emotional well-being and mental health needs across health, education and social care.

Programme Aims

- Babies, children and young people experience a No Wrong Door approach when they need support
- A whole system approach to good emotional mental health and wellbeing that focuses on early intervention and prevention
- An innovative approach to meeting the needs of children and young people in crisis and ensuring they are safe and well

What Happened in Q1 23-24:

- Next steps planned for development of for No Wrong Door (NWD) approaches at Early Help/ Single Point of Access part of system
- Workshop delivered to develop NWD process at crisis end of system and inform draft Standard Operating Procedure
- SROs sign off of information sharing processes (Joint Controller Agreement) to underpin NWD work
- Developed workforce questionnaire to inform information sharing training

What's Next for Q2?

- Confirm NWD (Early Help/ SPOA) outcomes with delivery partners
- Finalise NWD (Crisis) process with partners
- Develop NEST selfassessment/ implementation plan with partners, including resources coproduced with CYP
- Deliver Inspiration and Momentum (I&M) event(s) to upskill workforce on information sharing in response to workforce feedback

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Timeline for Deliverables:

		Q1-2023			Q2-2023			Q3-2023			Q4-2024	
	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Information sharing - I&M process												
Suicide and self harm toolkit launch												
(in line with national timescales)												
RIF Acceleration - commissioned												
service ement												
SWP Regional Outcomes Framework												
development												
SWP Regional Outcomes Framework												
first draft review												
Alignment with NEST												
-												

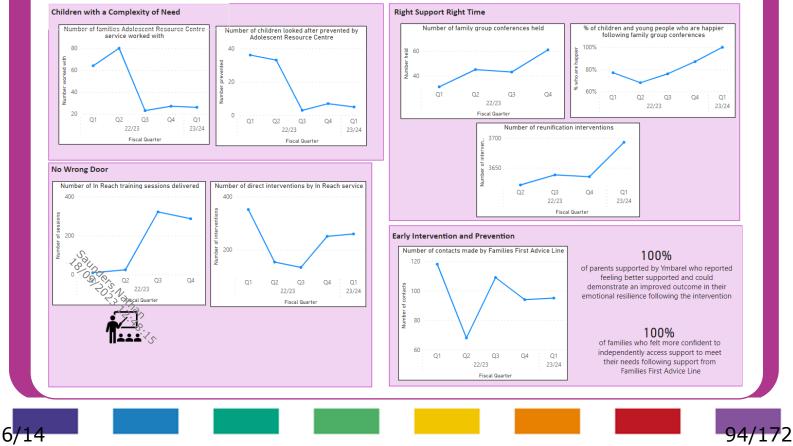




emPOWER Programme

Project plus one sentence descriptor	Top 3 Baseline Targets (YTD totals)	Current Overall Performance (RAG status)	Comment
Early Intervention and Prevention -focussed on improving preventative and universal services in meeting the needs of the population of children and young people as needs arise, reducing the need for referrals into services where needs can be met within local services and within people's neighbour-	 100% of families who feel more confident to independently access support to meet their needs (FFAL) 100% of parents who feel appropriately supported (FFAL) 89% parents who demonstrate an improved outcome in their emotional resilience 	Current delivery positive, but change occurring in Ymbarel ele- ment due to end of contract	 Financial review underway for all projects Preparation for revised WG re- porting process
No Wrong Door – babies, children, young people and their families are able to experience a No Wrong Door approach when they request emotion- al wellbeing support from our system	 14 EH practitioners reporting an increase in confidence to deal with EMHWB issues following TTC (PMH Workers) % of parents reporting an increase in the use of strategies to support their own and their family's wellbeing (Platfform – no longer in place, Family Lives in set up phase) 264 professionals received training (In Reach) 	Provider for family support element changed from Platfform to Fami- ly Lives. New provider still in set up phase	 Baseline targets being reviewed as part of Q2 plan- ning.
Right Support, Right Time – babies, children and young people experience family-led early interven- tion and prevention that prevents placement break- down and supports reunification where this is possi- ble	 87% of children and young people are happier following FGC 22% of CYP deregistered (average) 67% of CYP deregistered (average) 	Vale measures developing – pro- cess in place with Head of Service	
Children and young people with complex needs (Community) -community-based intensive and therapeutic support for CYP on the edge of care that helps to maintain CYP in families or stable placements	 5 CYP prevented from becoming CLA (ARC) 16 families accessing activities (ARC) 19 children receive therapy (Enfys) 	project on track to meet / exceed perfor- mance targets.	
Children and young people with complex needs (hospital) – delivery of Goleudy service	 Number of CYP receiving consultation only (social work element) Number of joint discharge meetings attended Number of psychological formulations 	project on track to meet / exceed perfor- mance targets.	

RIF Outcomes







Complex Health and Disability Programme

Area Plan Commitment:

Improve the support offer for babies, children and young people with complex needs.

Overview of Programme:

Additional capacity through RIF funding to pilot and upscale areas of work to benefit children and young people with needs related to complex health and disability.

Programme Aims

- Ensure children with additional nutritional requirements have access to appropriate dietetic assessment, treatment planning and monitoring
- Improve access to the right support at the right time for children and young people aged 5-18 years who have an identified learning disability via the multidisciplinary Child and Adolescent Learning Disability Service (CALDS)

What Happened in Q1 23-24:

- Continued delivery of blended diet for 36 children
- Development of the CALD service to include an LD liaison nurse post—in recruitment
- Delivered EPaTs (early approach's to parent support) for parents of children with ALN
- Discussion to shape PARIS taken place. Service lead to take forward on return from mat leave

What's Next for Q2?

- Development of an ADHD and nutrition pathway with ADHD nurses
- Recruitment of LD hospital liaison role for children
- Commence PARIS system build for the CALDS to support with recording of case notes and reporting information
- Work across Early Years and RIF to build business case for best options to support parents with infants with ALN
- Review transition arrangements across LA partners supported by RIF

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	Q1-2023				Q2-2023			Q3-2023		Q4-2024		
	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Blended diet transition												
work												
ADHD/nutrition pathway												
development												
CALDS hospital liaison												
role												
CALDS PARIS system build												

Timeline for Deliverables:





Complex Health and Disability Programme

RIF Projects and Funding:

Project plus one sentence descriptor	Top 3 Baseline Targets	Current Overall Perfor- mance (RAG status)	Comment
Planning for my future - improving services that support a smooth transition for young people with complex disabilities and health needs into adult hood, including adult ser- vices. Supporting CYP to receive the right support at the right time who present with neurodiversi- ty CALDS Providing specialist health support for CYP with a learning disability aged 5 -17 years	 # interventions in progress for CYP with LD #CYP who receive an enhanced blended diet service through their special school % of young people supported with ND into inclusive settings # of support staff trained # of CYP supported # of sleep courses completed Length of waiting list 	Current delivery posi- tive, but data sources have not provided information (Cardiff CS Transition data)	 Financial review underway for all projects Preparation for revised WG reporting process Baseline targets being reviewed for Q2 Halt on recruitment of LD liaison nurse due to finance review.
Complex Care - Right Support, Right Time – children with complex care needs have access to the right support at the right time, includ- ing supporting a joint continuing care process	 # of continuing care assessments # of blended diets for CYP with Enteral feeding % of parents reporting improved well being (EPATS) 	Delivery positive – patchy data on cont care assessments due to staff changes. Dis- tance travelled in place for EF and EPATS	

Challenges and Learning:

CALDS is a new, developing service further learning to be shared once known

PARIS IT system build time requires planning and takes time to achieve for services

Sustainability of models delivered by WG grants requires consideration

RIF Outcomes

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Δ

Planning for my Future

children and young people who received support via 'project search' (2021/22 school year)

children and young people who succeeded in gaining ongoing employment following support via 'project search'(2021/22 school year)

Children's learning disability services

people have been supported by leanging disability nurses in 2022/23 The service has provided additional consultations and support to other service areas for over 30 additional young people in 2022/23



Early Positive Approach to Support

Jane is 16 years old and has a diagnosis of ASD. learning disability and Tourettes Syndrome. She has a history of 'shutting down' with anxiety when overloaded, resulting in non-attendance at school for long periods of time. Child and Adolescent Learning Disability Service worked with her school around implementing environmental changes in the classroom. The plans and proactive changes in the classroom had a positive impact on her and her schooling. Her mum thanked the learning disability nurse for liaising with health services as she felt the reasonable adjustments made a big difference in her daughter accessing healthcare. Her mother said that she felt "listened to" and now reaches out to the learning disability nurse. Previously, she had been guarded in trusting professionals.







Learning Disabilities Programme

Area Plan Commitment:

People with learning disabilities will have the ability to live as independently as possible in their local community

Overview of Programme:

The Learning Disability Programme aims to develop integrated support services enabling people with learning disabilities to live as independently as possible in their local community. Projects included in the scope of the programme are:

- The right support at the right time
- Having my own home
- Fit for my future

Programme Aims

- Services are equipped to respond to need with the right level of support, in the place and at the time when it is needed
- People with a learning disability have their needs effectively monitored and supported
- Timely reviews of care and support

9**/1**-

What Happened in Q1 23-24:

- Delivered training/workshops to over 200 participants across the workforce
- Information leaflets and documents updated to easy read
- Complex day services supporting new individuals—case study of one individual now able to access community with family
- Improvement of take up of Annual Health checks post COVID 19
- Presented CAV employment of individuals with LD to ADfest 2023

What's Next for Q2?

- Present to Cluster group of GP's on Annual Health checks and improving access to health care for people with LD
- Review outcomes and reach of the regional technology project
- Deliver recruitment campaign to support increase in APS carers
- Pause recruitment of health specialists (CAVUHB)
- Review the transition processes in place for individuals who may not require LD services but require support into adult hood (TRIG)
- Recruit a transition accommodation officer (Cardiff

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Timeline for Deliverables:

Under development as part of the Joint Area Plan: Delivery Plan

Improving the uptake of Annual Health Checks for people with Learning Disabilities

Professionally I found it really thought provoking, inspiring & encouraging to hear how your professional roles

> THANK YOU for sharing your strengths, hobbies, humour, positivity & inspiring energy with us

Sioned—can you put this quote into the outcomes section?





Learning Disabilities Programme

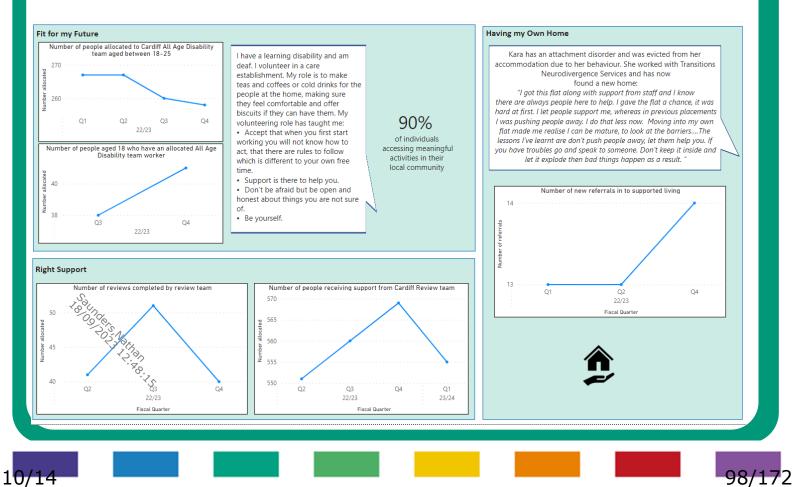
RIF Projects and funding:

Project plus one sentence de- scriptor	Top 3 Baseline Targets	Current Over- all Perfor- mance (RAG status)	Comment
Fit for my future	#of people transitioning		• Financial review underway for all projects
Right Support Right Time	How many people reached		Preparation for revised WG reporting process
Having my own home	Local accommodation		 Actual targets being clarified

Challenges and Learning:

Significant impact of COVID-19 on families/carers and their ability to care Growing increase in service demand and increasing complexity of need Difficulties recruiting and retaining staff on temporary contracts – resulting in high staff turnover

RIF Outcomes







Unpaid Carers Programme

Area Plan Commitment:

Unpaid carers will be recognised for the vital contribution they make to the community and the people they care for and enabled to do the things they want to alongside caring.

Overview of Programme:

The unpaid carers programme aims to develop a regional approach to ensuring that unpaid carers are recognised and that every step is taken to ensure the region is an environment that supports the highest quality of life possible for unpaid carers and the people they care for.

Programme Aims

- 1. Ensure unpaid carers are identified and recognised in our communities
- 2. Ensure the right information and advice is given to unpaid carers at the right time
- Improve the quality of support provided to unpaid carers
- 4. Develop and improve the skills of our workforce to help unpaid carers achieve what matters to them
- Make best use of the resources available to contribute to caring for people in our communities and make sure unpaid carers have time to do the things they enjoy
- 6. Work together to ensure unpaid carers are supported in education and work
- 7. Ask unpaid carers to tell us what you think
- Listen to the voice of unpaid carers to inform the development of services and support

What Happened in Q1 22-23:

- Young Carers Charter promotional campaign
- Ongoing development of the Carer's Gateway as a single point of access for information and advice for unpaid carers
- Young carers support through YMCA led projects and activities
- Continuing the Young Carers in Schools' programme; enabling schools to identify, support and refer young unpaid carers early
- Piloting discharge support for unpaid carers at University Hospital Llandough

What's Next for Q2?

- Engage with the Carers Gateway to increase identification of carers particularly in Cardiff
- Development of an agreed delivery plan against the Unpaid Carers Charter and Joint Area Plan
- Understanding and development of wellbeing support services
- Scoping of support for unpaid carers through RPB programmes and partners
- Monitoring and ongoing development of respite support (both formal and dynamic options)
- Carers Grant for activities to be launched
- Co-produce regional Carers Assembly with RPBs Unpaid Carer representatives

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	Q1-2023	3	(22-2023	3		Q3-2023	3	(24-2024	4
Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
		Apr May	Apr May Jun	Apr May Jun July	Apr May Jun July Aug	Apr May Jun July Aug Sept	Apr May Jun July Aug Sept Oct Apr May Jun July Aug Sept Oct Image:	Apr May Jun July Aug Sept Oct Nov Image: Sept I	Apr May Jun July Aug Sept Oct Nov Dec Image: Sept Image: Se	Apr May Jun July Aug Sept Oct Nov Dec Jan	Apr May Jun July Aug Sept Oct Nov Dec Jan Feb Image: Sept Image: Sept

Timeline for Deliverables:





Unpaid Carers Programme

RIF Projects and funding:

Project plus one sentence descriptor	Top Baseline Targets	Current Overall Performance (RAG)	Comment
Carers Gateway—a single point of access for infor- mation and advice for unpaid carers	Increased numbers of new carers identified—baseline 400 per year Increased number of contact to the service—baseline 500 per year Increased number of registered carers		 Financial review un- derway for all projects Preparation for re-
Young Carers—support for young carers in Cardiff delivered by YMCA	Increased of new young carers receiving a service—baseline 200 per year Increased family support sessions delivered–baseline 80 per year Increased number of group respite sessions delivered—baseline 200 per year		vised WG reporting process
Young Carers in Schools Project–development and training for schools to be	Increased number of school staff trained to support young carers Increase in primary schools identifying young carers Increase in secondary schools identifying young carers		 Baseline targets being reviewed for Q2.

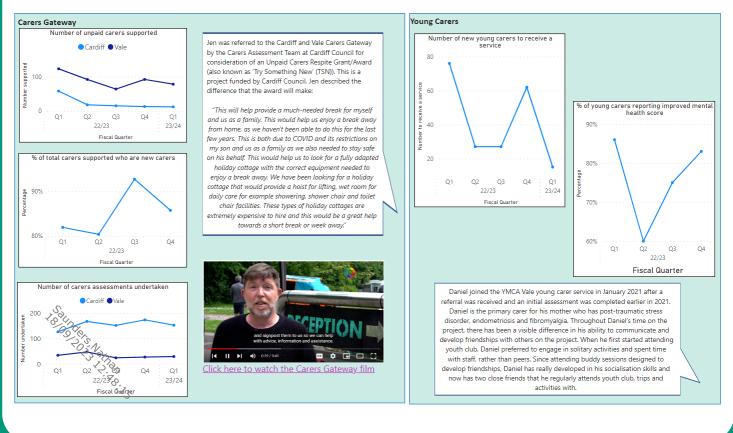
Challenges and Learning:

12/14

Understanding the data to support service development

Engagement with unpaid carers representatives has had a positive impact on the programme Utilising the resources in the third sector has been key and is still being developed

RIF Outcomes







Integrated Autism Service and Neuro-Development

Area Plan Commitment:

Neurodiversity (ND) services will have strengthened provision with a focus on providing the right support at the right time.

Overview of Programme:

The Integrated Autism Service (IAS) aims to provide adult autism diagnostic assessment, support and advice for autistic adults, parents/ carers, and professionals, specifically:

- Advice and training for families and carers of children, young people and autistic adults
- Advice, support and interventions for autistic people, to help them with their daily lives
- Training and support for professionals, to help them understand the needs of autistic people when they are delivering services, care and support
- Integrated provision of services and support across health authorities and local authorities
- Teams of professionals providing support in the local community

Programme Aims

- Improved population health for people with autism
- Citizen voice better engaged in the design and delivery of our services
- Greater understanding of autism throughout wider workforce
- 4. Greater understanding of autism within the community
- Improved operational reporting

 whole region evidence-based
 improvements for service delivery

What Happened in Q1 23-24

- 363 referrals, 292 resulting in a form of intervention
- 45 interventions for parents/ carers
- 13 support groups held, supporting 47 people with autism
- 57 diagnostic assessments provided
- 20 received advice and support from parents/carers
- 157 requests from professionals for consultations, training and/or joined-up working
- Wider ND funding (non RIF) approved by Welsh Govern-

What's Next for Q2?

- Evaluate the implementation of the Autism Code of Practice
- Increase awareness about services and support
- Increase our understanding of barriers that people face linked to diagnosis including attitudes towards autism in different communities
- Improve workforce and organisational development through increased capacity and upskilled staff
- Recruitment of staff to support reduction of waiting times for assessment and support
- Review reporting arrangements for wider ND services (children, adult ADHD and IAA)

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Timeline for Deliverables:

		Q1-2023	1		Q2-2023	}		Q3-2023	5		Q4-2024	ļ
	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Triage assessment pilot												
Review triage assessment pilot												
Workforce development												
ND delivery and (co-production)												
ND delivery plan (year 1 implementation)												
Autism Code of Practice evaluation												
(phase 1)												
Delivery of CAVRPB ND communication and engagement plan												





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Integrated Autism Service and Neurodevelopment

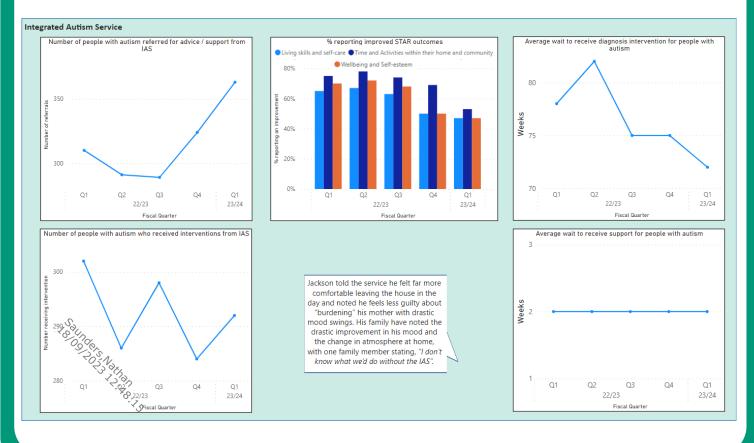
RIF Projects and Funding:

Project plus one sentence de- scriptor	Top 3 Baseline Targets	Current Overall Performance (RAG status)	Comment		
Integrated Autism Service: Adults with autism	363 referrals 292 interventions 57 diagnostic assessments	project on track to meet / exceed perfor- mance targets.	 Financial review underway for all projects Reporting to align with the IAS reporting 		
Adult ADHD Service	Waiting list No. people referred % of those with a diagnosis	Red: project likely to meet less than 80% of stated targets.	frameworkWaiting times remain a key concern and raised at last Integrated Autism Board for		
Children's' ND Service	Waiting list No. people seen while waiting % referred resulting in diagnosis	project on track to at least 80% - 90%of stated targets.	escalation within wider partnershipWider ND measures under development		

Challenges and Learning:

14/

Demand for diagnostic assessment outweighs capacity, impacting on wait times New insights generated from data, creating additional opportunities for service improvement



RIF Outcomes

Report Title:	Progress against Deca – Q2	rbonisation Action F	Agenda Item no.	.					
Meeting:	Finance and Performance Committee	Public Private	Х	Meeting Date:	20/09/2023				
Status (please tick one only):	Assurance		Information X						
Lead Executive:	Abigail Harris, Executive Director for Strategic Planning								
Report Author (Title):	Calum Shaw, Environmental Sustainability Project/Planning Manager								
Main Report									

Background and current situation:

The purpose of this paper is to update the Finance and Performance Committee on progress against the actions contained in the 2023/24 Decarbonisation Action Plan.

Context

In March 2023, the Board approved the 2023/24 Decarbonisation Action Plan and defined a series of actions, owned across the UHB. The plan builds upon previous plans and the actions defined as mandatory by NHS Wales in their Decarbonisation Strategic Delivery Plan.

The 2023/24 action plan contained 54 actions set out over 6 sectoral areas, Leadership, Estates, Transport, People and Communications, Clinical and Procurement. It was agreed actions will be reported back on a quarterly basis to the Decarbonisation Delivery Group and Finance and Performance Committee. A full assessment, including progress, against all actions will be submitted to the timelines below:-

Reporting period	Report submission to Delivery Group and Finance and Performance committee
1 st April – 30 th June	September
1 st July – 31 st September	December
1 st October – 31 st December	March
1 st January – 31 st March	June

Details of all actions allocated in Q1 can be found in the document attached.

This report asks the Finance and Performance Committee to:

• Note content of this report

Executive Director Opinion and Key Issues to bring to the attention of the group:

The table below shows the overall RAG status against actions contained in the DAP as at 04/09/2023.

Of the actions required for delivery with the first two quarters 7 is Blue (complete), 3 Green 5 Amber and 2 Red. A full list of project RAG ratings are below.

RAG	Q1 Actions	Number of Actions	Delivery Group intervention required		
Blue/Complete	6	7			
Green	0	26	No		
Amber	2	18	No		
Red	0	3	No		
Total	8	54			

Q1 Actions

All actions, except two, which was due in the Q1 reporting period are now complete. The outstanding actions are in relation to formally signing the Level 2 Healthy Travel Charter (under Transport theme) which will be considered by SLB in early October and embedding Decarbonisation into Quality and Safety under our Clinical Theme – an appointment was made on 5/9 for a Clinical leader to undertake this work. Expect delivery of both actions will be achieved within Q3.

As reported last quarter, two actions will not be delivered at all in 23/24. These relate to the completion of business cases for SOFH and Digital having not received funding from WG to progress.

Q2 Action Progress

There are 9 actions which are required for completion in Q2, 1 is Blue 3 of which are Green with 3 Ambers and 2 Reds. The majority of these actions will be delivered over September to ensure these transition to Green.

There are two further actions marked as red this quarter relating to the commissioning of a specialist biodiversity audit (under the Estates theme) which required funding, but in the current financial climate thought is required as to whether the audit could be achieved through alternative means, such as using volunteers.

Positive Q2 highlights include:

To date there has been significant progress against the Decarbonisation Action Plan. The actions below provide a summary of the outputs under the programme:-

- Identified metrics in 6 Goals and Planned Care programmes which demonstrate carbon reduction complimenting their existing metrics. Likewise, for the cost improvement programme that actual savings can have a carbon saving against them.
- Working with Strategy colleagues, decarbonisation will be included within Clinical Services redesign with cataracts as the pilot.
- Contact being made with business case owners to ensure decarbonisation benefits/disbenefits can be included for consideration at Investment Group.
- Using the IMTP process, decarbonisation will be assessed as part of forthcoming Clinical Board plans.
- Estates have completed 4 investment grade proposals to install low carbon heat solutions in community sites and a number of feasibility studies for renewable energy.
- Level 2 Healthy Travel Charter to be approved by SLB in September.
- Decarbonisation now included in job description templates, the decarbonisation team will attend the first set of face to face induction sessions for new staff to spread the word and include specific questions in People and Culture survey.
- Embedding decarbonisation into the Value programme via an initial exemplar project Heart Failure.
- Sustainability leaders in Nursing and Therapies are in position, a Clinical leader is due to be appointed in September.
- A sustainability fellow, a trainee surgeon, started in August 2023.
- Therapies have developed their own action plan which is approaching sign off. They have assigned a leader and will assign champions.
- Nursing have a Sustainability Forum and looking to deliver three projects associated with continence and nonsurgical gloves use reduction and also redistribution of surplus nurses uniforms.
- SusQi methodology to form part of the I&I toolkit
- With the Strategy refresh being launched in the September AGM, decarbonisation appears in the Acting For The Future theme.
- Regular communications are being created and disseminated through various channels by communications colleagues.

Next steps

A Q2 close-out and an interim Q3 update will be provided to the group as part of the Finance and Performance Committee in December.

Recommendation:

2

Finance and Performance Committee are asked to:

• Note content of this report

Link to Strategic Objectives of Shaping our Future Wellbeing: Please tick as relevant							
1.	Reduce fealth inequalities	Х	6.	Have a planned care system where demand and capacity are in balance			
2.	Deliver outcomes that matter to people	Х	7.	Be a great place to work and learn			

3. All take responsibility for improving x our health and wellbeing							8. Work better together with partners to deliver care and support across care sectors, making best use of our people and technology					
 Offer services that deliver the population health our citizens are entitled to expect 						9.	Reduce harm, waste and variation sustainably making best use of the resources available to us					
5. Have an unplanned (emergency) care system that provides the right care, in the right place, first time						10.	Excel at teaching, research, innovation and improvement and provide an environment where innovation thrives				x	
Five Ways of <i>V</i> Please tick as rel			stain	able Deve	elopment F	Princi	iples)	considered				
Prevention	x	Long term	x	Integrati	on			Collaboration	x	Involven	nent	
Impact Assessment: Please state yes or no for each category. If yes please provide further details.												
Risk: No												
Safety: No												
Financial: Yes												
The delivery of carbon savings tend to have a positive impact upon cost savings. Several themes in the cost improvement plan can have associated carbon measures attached to them. Two examples are medicines management which is finding ways to reduce consumption and buildings through energy efficiency schemes.												
Workforce: Yes												
Our workforce adopting sustainable ways of delivering their day to day responsibilities is a long way off and our current action plan seeks to make inroads into that.												
Legal: No												
Reputational: Yes There is potential for reputational risk to the organisation if action are not completed on time.												
Socio Economic: No												
Equality and Health: No												
	cail	I. INU										
Decarbonisatio	on: Y	es										
The actions contained in the DAP directly impact on our emission reduction targets.												



				Actions						
						Development	Investment			
	Action	Owner	Contact	Team	Support team	Cost	Cort	Measure	By when	Quarter
sport	Recommend with a costed plan that our SLB formally sign Level 2 Healthy Travel Charter, with agreed capacity to implement.	Executive Team	Tom Porter	Executive	PH/ CEF	твс	твс	Approved y/n - Carbon impact of work (KG/tCO2e)	6/30/2023	Q1
	Promotion campaign for new cycleway linking city centre to UHW when opens in 2023		Tom Porter	РН	Comms	£C	f	Promotion campaign - Number of interactions	6/30/2023	Q1
	Decirbonisation embed into quality and safety (investigate/propose)	Clinical Sustainability Lead	TBC	Clinical	Decarb Team	£C		:0 Embedded y/n	6/30/2023	Q1
	Commit to providing time to leaders in Nursing, Therapies and Clinical specialities at least on the scale of that committed to in 22/23.		Meriel, Rebecca and Emma	Clinical, Nursing, Therapies	Clinical Boards	£C		Leaders appointed - Carbon impact of work (KG/tCO2e)	6/30/2023	Q1
	Establish good linkages/ Robort relationship with PHW on with the impacts of Decarbonisation on public health	Sustainability Manager	Calum Shaw	Value Based Healthcare/Public Health	N/A	EC		10 Number of interactions	6/30/2023	Q1
ole and Comms	Include decarbonisation in the induction material for all staff.	Sustainability manager/Clinical Leaders	Calum Shaw	Decarb	Workforce	£C	1	Complete y/n - 0 Number of interactions	6/30/2023	Q1
ole and Comms	Feasibility for inclusion of decarbonisation into staff annual appraisals (for VBA community).	Ass Director OD, well-being and culture	Claire Whiles	Workforce	Decarb	£C	1	Complete in appraisal document y/n - Number of interactions	6/30/2023	Q1
ple and Comms	Decarbonisation to be included in job descriptions	Sustainability manager	Calum Shaw	Decarb	Workforce	£C	i i	0 Integration in template	6/30/2023	Q1

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Report Title:	Emissions reporting	g 2022-23		Agenda Item no.	2.4b					
Meeting:	Finance and Performance Committee	Public Private	X	Meeting Date:	20/09/2023					
Status (please tick one only):	Assurance	Approval		Information		Х				
Lead Executive:	Abigail Harris, Exec	cutive Director for Stra	tegic	Planning						
Report Author (Title):	Calum Shaw, Environmental Sustainability Project/Planning Manager									
Main Report										
	1 11 II									

Background and current situation:

The purpose of this paper is to update the Finance and Performance Committee on Health Board's carbon emissions for the 2022-23 FY.

<u>Context</u>

WG require public sector organisations to annually report their carbon emissions using a common calculation method. The 22/23 emissions for CVUHB are due to be submitted to WG on 12th September.

The data that has been input into emissions report for submission has been approved by the data owners, namely, Geoff Walsh and Claire Salisbury.

A full copy of the 2022-23 emissions report has been provided as a separate document.

This report asks the Finance and Performance Committee to:

• Note the content of this report

Executive Director Opinion and Key Issues to bring to the attention of the group:

Background

In 2021, NWSSP and Welsh Government published the Decarbonisation Strategic Delivery Plan (SDP). This set out a number of initiatives and actions with the aim of helping achieve a Net Zero Public Sector by 2030. The SDP set targets of a 16% and 34% emission reduction for the Welsh NHS by 2025 and 2030 respectively (based on a 2018/19 baseline). The Carbon Trust set baseline emission levels for each organisation for 2018/19. The baseline emissions for Cardiff and Vale UHB set under this process were 159,731 tonnes CO2e. The method used to calculate this baseline bears little to no resemblance to the way WG have been asking public sector organisations to report carbon emissions since 2021/22 as Carbon Trust are not being used by WG and the way they wish emissions data reported has matured therefore comparing against this baseline is not possible.

CVUHB wrote to WG in 22/23 explaining this inability to compare. WG are considering in late 2023 whether the 16% and 34% targets are still appropriate our should be changed.

Nevertheless, since the establishment of the WG targets, Cardiff and Vale UHB have set out a number of ambitious plans with the aim of reducing emissions and going beyond the requirements of the SDP as it was recognised that on its own it would not help CVUHB achieve a 16% reduction by 2025.

2022-23 Emissions data

For 2022-23, there has been an increase in emissions to 212,026 tonnes CO2e compared to 202,000 tonnes in 2021/22. An increase of 7.3%. The reasons for the increase are mainly due to inflation impacting supply chain spend and the need to report new data. Details are highlighted below. On a like for like basis, emissions increased by 4.3%.

Why the Increase?

The increase is due to supply chain emissions rising. The method of calculation uses spend (money) on products services as the primary driver. While inflation has been high, this has impacted spend and thus impacted our supply chain emissions. It has emerged that the data supplied by NWSSP Procurement for 21/22 supply chain was likely under-reported. The decarbonisation team are attempting to establish the facts behind this.

There have been minor increases in Business Travel and Waste of 185 tonnes collectively.

<u>New Data</u>

WG requested additional reporting against streetlighting and Aesthetic gases this year which were not previously reported, adding 983 tonnes.

Previously commuting emissions have not been reported. WG have asked public bodies to use a standard calculation based upon employee numbers as it is acknowledged gathering actual emissions data in a large organisation is not possible. This has added 5,664 tonnes.

Good News

On a like for like basis, emissions that we are in control of, from our buildings and fleet have reduced by 5.7% in the last year. Since 2018, in total we estimate the reduction to be 7.58% (equivalent of 2,200 tonnes) against comparable internal estates data (EFPMS).

There has been a small increase, 1%, in the amount of onsite renewable electricity being generated.

Year by Year Comparison

On a like for like basis, emissions have increased 4.3% between 21/22 and 22/23.

Taking into account the new data that WG have asked organisations to report on, the increase is 7.3%. Detail below. Detail follows:

	2021-22	2022-23		Comments					
Sector	Emissions (tonnes CO2e	Emissions (tonnes CO2e)	Difference						
Buildings	36,871	34,751	-2,120	Building emissions reduced 5.7%, mainly from reduction in Natural Gas usage.					
Streetlighting	0	76	76	NEW - Street light has increase as it was not reported last year					
Fleet and equipment	457	415	-42	9% reduction in fleet usage					
Commuting	0	5,664	-5,664	NEW - Commuting emissions have not been reported in previous years					
Business travel	589	675	86	14% increase in business travel, likely due to "normal rates" after Covid.					
Waste	1,690	1,789	99	Increase is due to c400 tonnes of extra waste across various waste streams					
Supply Chain	162,541	173,412	10,871	6.6% increase in Supply chain emissions. £290m additional spend.					
F-gases and anaesthetic gases	0	908	908	NEW F-Gases has seen an increase as has not been reported in previous years.					
Total	202,149	217,690	15,541						

WG are learning how to best capture emissions data as the field matures. The figures are moving therefore. Although they have asked for new data this year not previously requested, it is still possible to understand how CVUHB's emissions are made up and where attention could be focused.

Conclusion

Our supply chain is still the primary driver behind our carbon emissions. Reducing our energy consumption through efficiency and prudent use will help reduce emissions, however it is by reducing the products and services we as a health board consume that we will see the largest gains. This is consistent with the effort being put into our cost savings initiatives for example. Furthermore 6 Goals and Planned Care programmes also have the potential to help deliver not only a more efficient health service, but also a reduced carbon emitting service.

Recommendation:

Finance and Performance Committee are asked to: Note the content of this report

	-	_		-									
	k to Strateg ase tick as rei			es of	Shaping of	our Future	e We	llbein	ıg:				
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									re demand and alance	cap	acity are		
2.	Deliver ou	tcom	es that	mat	ter to	x	7.		a great place to				
	people							lear	n				
3.	All take re our health				nproving	X	8.	part supj mak	k better togethe ners to deliver o port across care sing best use of technology				
4.							9.		luce harm, wast				
	populatior entitled to			CILIZE	ens are			best	ation sustainabl t use of the resc ilable to us			х	
5.	Have an u	Inpla	nned (e	mer	gency)		10.		el at teaching, r	esea	rch,		
	care syste	m th	at prov	ides	the right			inno	vation and impr	over	ment	x	
	care, in th	e rigi	nt place	e, firs	t time				provide an envi re innovation th				
Fiv	e Wavs of V	Work	ina (Su	ıstair	able Dev	elopment	Prin	ciples	s) considered				
	ase tick as rei					•			,				
Pre	evention	x	Long term	x	Integrati	on			Collaboration	x	Involven t	nen	
	oact Assess				15								
	ase state yes k: No	or no	for each	cate	gory. If yes	please pro	vide fi	urther	details.				
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	<i>.</i>	jets s	et by N	IWS	SP and W	elsh Gov	ernm	ent, ł	nowever, these	are r	not legally	bind	ing.
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	putational: ` we continu		see inc	reas	es in emis	sions and		vina f	urther away fro	n th	haseline	tara	et
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27-Apr-23

Introduction and Organisation Data

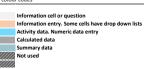
This spreadsheet is the required format for Welsh public sector organisations reporting their carbon emissions for the 2022 - 2023 reporting period. It is based on the Welsh Public Sector Net Zero Carbon Reporting Guide.

The following updates have been applied to this version of the template: • Emission factors have been updated where appropriate • Various bug fixes • Data providers are asked to provide the floor area of their buildingsE • The summary sheet has been updated to be more comprehensive • Organisations are now asked to report use of anaesthetic gases and fegases in the buildings tab • The summary tain SIC code carbon factors have been updated

Please send the completed form to publicsectordecarbonisation@gov.wales by 4th September 2023

Organisational information

Organisational information	Organisation type	Health Board or Trust
Organisational information	Organisation name	Cardiff and Vale University Health Board
Organisational information	Financial year period for reporting	Financial year 2022/23
Organisational information	Date of report submission	18/09/2023
Organisational information	Person responsible for this report	Calum Shaw
Organisational information	Email address of person responsible for this report	Calum.shaw@wales.nhs.uk
Organisational information	Total financial budget /spend/ turnover £	£ 1,700,000
Organisational information	Number of Full Time Equivalent employees	14,568
Organisational information	Building internal floor area equivalent to the energy data reported (sq m)	395,413
Organisational information	Region of Wales	South East Wales



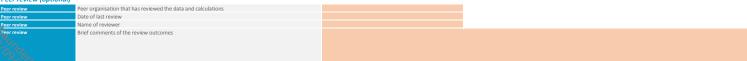
Boundary information

Buildings in scope	Do you own buildings that you occupy?	Y	Please complete the 'Buildings' table in Buildings, fleet & other assets sheet. See section 7.2 of the guidance for further information.
Buildings in scope	Do you lease buildings that you occupy?	Y	Please complete the 'Buildings' table in Buildings, fleet & other assets sheet. See section 7.2 of the guidance for further information.
Buildings in scope	Do you lease out buildings that you own to organisations to deliver public services on your behalf?	Y	Please complete the 'Buildings' table in Buildings, fleet & other assets sheet. See section 7.2 of the guidance for further information.
Buildings in scope	Do you lease out buildings that you own to other public bodies?	Y	If that public body is also reporting, these emissions are out of scope for your organisation. See section 7.2 of the guidance
Buildings in scope	Do you lease out buildings that you own to private organisations for their own purposes?	Y	The majority of these emissions are out of scope. See section 7.2 of the guidance.
Streetlighting in scope	Do you own and operate streetlighting or signage	N	
Fleet and equipment in scope	Do you own or lease fleet and equipment?	Y	Please complete the 'Fleet' table in Buildings, fleet & other assets. See section 7.4 of the guidance for further help
Agriculture in scope	Do you have farms with livestock (not leased out)?	N	
F-gases in scope	Do you have air conditioning or refrigeration systems that require refrigerant gas top-ups, or do you	v	
r-gases in scope	use anaesthetic gases?	,	Please complete the 'Other gases' table in Buidlings, fleet & other assets. See section 7.5 of the guidance for further help
Business travel in scope	Do staff travel for work using their own cars or other transport modes (not fleet vehicles)	Y	Please complete the 'Business travel' table in Business travel, commute, home tab. See section 8.2 of the guidance for further help
Commuting in scope	Do staff commute to offices or other sites?	Y	Please complete the 'Commuting' table in Buidlings, fleet & other assets. See section 8.3 of the guidance for further help.
Homeworking in scope	Do any staff work from home?	Y	Please complete the 'Homeworking' table in Buildings, fleet & other assets. See section 8.4 of the guidance for further help
Supply chain in scope	Do you purchase goods and services?	Y	Please complete the 'Supply chain emissions tab'. See section 10 of the guidance for further help
Land use in scope	Do you own and manage land for providing public services, with a total of more than 10 hectares?	N	
Waste in scope	Does your organisation produce waste from operations that is collected from your premises by a third	v	
waste in scope	party organisation?	I	Please complete the 'Operational Waste' table in the Waste sheet. See section 9.2 of the guidance for further information.
Waste in scope	Does your organisation produce waste from operations and also operate the collection service of this	v	
waste in scope	waste?		Please complete the 'Operational Waste' table in the Waste sheet. See section 9.2 of the guidance for further information.
Waste in scope	Do you run waste collection services that collect and dispose of municipal waste?	N	
Waste in scope	Do you contract out a waste collection service that collect and dispose of municipal waste?	Y	Please either complete the 'Municipal waste' table in the Waste sheet OR record your annual spend for this servce in the supply chain sheet. See section 9.3 of the guidance for further information.

Reporting comments



Peer review (optional)



ROLJARD

Summary of results
This section provides a summary of the reported emissions for Cardiff and Vale University Health Board for Financial year 2022/23
The section provides a summary of the reported emissions for Cardiff and Vale University Health Board for Financial year 2022/23
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Please note, 'Outside of scopes' emissions are not included in 'Tot	tai emissions or migh ar						
				Units of kgCO ₂ e			
Total emissions	Direct	Indirect	Indirect	Total	Estimated range	Estimated range	Outside of scope
	Scope 1	Scope 2	Scope 3		High	Low	
Cardiff and Vale University Health Board Financial year 2022/23	24,359,705	5,675,805	188,238,475	218,273,984	263,037,792	173,510,177	3,392,698
Buildings, fleet & other assets				Units of kgCO ₂ e			
Categories	Direct	Indirect	Indirect	Total	Estimated range	Estimated range	Outside of scope
	Scope 1	Scope 2	Scope 3		High	Low	
Buildings	23,116,440	5,619,608	6,015,319	34,751,368	35,629,281	33,873,456	3,343,904
treetlighting	-	56,196	19,810	76,006	77,906	74,106	33,439
leet and equipment	335,409	-	79,975	415,385	436,154	394,615	15,355
-gases and anaesthetic gases	907,855	-	-	907,855	998,641	817,070	-
griculture				-	-		
	24,359,705	5,675,805	6,115,105	36,150,614	37,141,982	35,159,247	3,392,698
Buildings, fleet & other assets Business travel, commuting & homeworking Changing				Units of kgCO ₂ e			3,392,698
Business travel, commuting & homeworking	Direct	Indirect	Indirect		Estimated range	Estimated range	
Business travel, commuting & homeworking ategories	Direct Scope 1	Indirect Scope 2	Indirect Scope 3	Units of kgCO ₂ e Total	Estimated range High	Estimated range	Outside of scope
Business travel, commuting & homeworking ategories usiness travel	Direct Scope 1	Indirect Scope 2	Indirect Scope 3 674,867	Units of kgCO ₂ e Total 674,867	Estimated range High 759,233	Estimated range Low 590,501	
Business travel, commuting & homeworking sategories tusiness travel commuting	Direct Scope 1	Indirect Scope 2	Indirect Scope 3 674,867 6,247,893	Units of kgCO ₂ e Total 674,867 6,247,893	Estimated range High 759,233 6,716,638	Estimated range Low 590,501 5,779,148	Outside of scope
Business travel, commuting & homeworking (ategories business travel commuting tomeworking	Direct Scope 1	Indirect Scope 2	Indirect Scope 3 674,867	Units of kgCO ₂ e Total 674,867	Estimated range High 759,233	Estimated range Low 590,501	Outside of scope
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Business travel, commuting & homeworking ategories usiness travel commuting comeworking usiness travel, commuting & homeworking Naste	Direct Scope 1	Indirect Scope 2	Indirect Scope 3 674,867 6,247,893 - 6,922,760	Units of kgCO2e Total 674,867 6,247,893 - 6,922,760	Estimated range High 759,233 6,716,638	Estimated range Low 590,501 5,779,148	Outside of scope
Business travel, commuting & homeworking ategories usiness travel ommuting omeworking usiness travel, commuting & homeworking Waste	Direct Scope 1	Indirect Scope 2	Indirect Scope 3 674,867 6,247,893 - 6,922,760	Units of kgCO_e Total 674,867 6,247,893 6,922,760 Units of kgCO_e	Estimated range High 759,233 6,716,638 - 7,475,871	Estimated range Low 590,501 5,779,148 - 6,369,648	Outside of scope
Business travel, commuting & homeworking ategories usiness travel ommuting omneworking usiness travel, commuting & homeworking Vaste ategories	Direct Scope 1	Indirect	Indirect Scope 3 674,867 6,247,893 - 6,922,760 Indirect	Units of kgCO_e Total 674,867 6,247,893 6,922,760 Units of kgCO_e	Estimated range High 759,233 6,716,638 7,7475,871 Estimated range	Estimated range Low 590,501 5,779,148 6,369,648 Estimated range	Outside of scope
Business travel, commuting & homeworking sategories usiness travel commuting loomeworking usiness travel, commuting & homeworking Waste Categories	Direct Scope 1	Indirect Scope 2	Indirect 5cope 3 674,867 6,247,893 6,922,760 Indirect 5cope 3	Units of kgCO ₂ e Total 674,867 6,247,893 6,922,760 Units of kgCO ₂ e Total	Estimated range High 759,233 6,716,638 7,475,871 Estimated range High	Estimated range Low 590,501 5,779,148 6,369,648 Estimated range Low	Outside of scope
	Direct Scope 1	Indirect Scope 2	Indirect Scope 3 674,867 6,247,893 - 6,922,760 Indirect Scope 3 1,788,667	Units of kgC0;e Total 674,867 6,247,893 6,922,760 Units of kgC0;e Total 1,788,687	Estimated range High 759,233 6,716,638 7,475,871 Estimated range High 1,878,121	Estimated range Low 590,501 5,779,148 6,369,648 Estimated range Low 1,699,253	Outside of scopes

Supply chain - Tier 1 and Tier 2 combined	Units of kgCO2e													
Categories	Direct	Indirect	Indirect	Total	Estimated range	Estimated range	Outside of scope							
	Scope 1	Scope 2	Scope 3		High	Low								
Agriculture, forestry and fishing			-	-	-									
Mining and quarrying			-	-	-									
Manufacturing			64,785,893.82	64,785,893.82	80,942,824.49	48,628,963.15								
Electricity, gas, steam and air conditioning supply			266,208.44	266,208.44	331,589.12	200,827.76								
Water supply; sewerage, waste management and remediation activities			186,844.75	186,844.75	233,555.93	140,133.56								
Construction			6,306,149.99	6,306,149.99	7,864,049.87	4,748,250.12								
Wholesale and retail trade; repair of motor vehicles and motorcycles			44,834,359.67	44,834,359.67	55,940,832.88	33,727,886.45								
Transportation and storage			1,216,191.87	1,216,191.87	1,520,239.84	912,143.90								
Accommodation and food service activities			219,770.13	219,770.13	273,458.34	166,081.93								
Information and communication			1,950,168.89	1,950,168.89	2,436,869.23	1,463,468.56								
Financial and insurance activities			610,854.02	610,854.02	761,929.89	459,778.15								
Real estate activities			395,747.80	395,747.80	494,684.75	296,810.85								
Professional, scientific and technical activities			3,333,672.44	3,333,672.44	4,133,950.32	2,533,394.57								
Administrative and support service activities			5,201,610.82	5,201,610.82	6,498,646.35	3,904,575.30								
Public administration and defence; compulsory social security			8,528,842.85	8,528,842.85	10,661,053.56	6,396,632.14								
Education			580,743.39	580,743.39	725,547.88	435,938.89								
Human health and social work activities			34,551,572.99	34,551,572.99	43,168,471.14	25,934,674.84								
Arts, entertainment and recreation			46,849.27	46,849.27	58,561.59	35,136.95								
Other service activities			396,442.07	396,442.07	495,552.59	297,331.56								
Activities of households as employers; undifferentiated goods- and services- producing activities of households for own use					-									
Supply chain - Tier 1 and Tier 2 combined			173,411,923	173,411,923	216,541,818	130,282,029								

Land based emissions		Units of kgCO ₂ e		Total	Estimated range	Estimated range	
Categories	Emissions	Removals	Indirect		High	Low	
Total land based emissions	-	-		-	-	-	

Renewables	Uni	ts of kWh
Categories	Total generate	d Total exported
	Scope 1	Scope 2
Onsite renewables - heat		
Onsite renewables - electricity	301,9	- 22
Onsite renewables - CHP		
Purchased renewables - heat		- /////////////////////////////////////
Purchased renewables - electricity	29,059,93	.6
Renewables	29,361,84	- 18





	Building.	<i>.</i>			
ŝ	Building,	fieet	and	otner	asset
	Coldman 4				

Guidance for users This sheet contains five tables - buildings, streetlighting, fleet and equipment (fuel), fleet (distance), other gases and agriculture.

Veale see Section 7 of the Welsh Net Zero Public Sector Reporting Guide for further guidance.

Input information into the orange and blue cells. Grey cells should not be edited. Activity data entered in the "data" column should only be invites specified in the "data" is invited. The orange entered in this does down lat, you will need to convert it before entering it into this sheet (see conversion sheet) this conversion and the "data" column should only be invites and enter the house columns and the annu conversion columnation of the data.

You can copy and paste between rows but please avoid copying data from one column to another, as this is likely to break the dro Fill in the notes column with a description of the method and data source used for each row

Buildings							No errors in this table						Emission dat	a breakdown (k	ıg CO₂e)					
Ownership structure	Fuel/emission source	Category 1	Methodology	RSD	Data	Units	Converted data	Standard units	Total EF (kgCO ₂ e/unit)	Total emissions (keCD e)	Notes	Ease of collection	Direct	Indirect	Indirect	Indirect T&D	Indirect WTT	High	Low	Outside of
Buildings - all our estate	Natural gas	All natural gas			125,377,335	kWh	125,377,335	kWfi	0.2136	26,785,613.85		Data complete but requires	******				3,899,235.12	***	*****	
					895 914						Oil usage is based on actua data and calculated		230.061.76					296.952.83		
Buildings - all our estate	Gas oil	All gas oil	Tier 3	5.0%		kWh	895.914	in the second	0.3157	282,813.17	estimation - Increase due to mains replacement	Data complete but requirer								
Buildings - all our estate Buildings - all our estate	Grid electricity	Consumption based Mains supply	Tier 3	2.5%	29,059,926 552,468	kWh	29,059,926 552,468	kWb		7,600,623.65		Data complete but requirer Data complete but requirer		5,619,608.49		514,070.09	1,466,945.06	****	*****	****
buildings - all our estate	Water	Mains suppry	iner 3	5.0%	509,400	ma						Data complete out requires								
						-														
																1		1		
									1											
Streetlighting							No errors in this table						Emission dat	a breakdown (i	ıg CO_e)					
Type of lighting	Fuel/emission source	Category 1	Methodology	RSD	Data	Units	Converted data	Standard units	Total EF (kgCO ₂ e/unit)	Total emissions (keCO e)	Notes	Ease of collection	Direct	Indirect	Indirect	Indirect T&D	Indirect WTT	High	Low	Outside of
				3%	290,599				0.3766	(4)(0)(1)	Based on 1% of grid			generation 56,196.03				77,906.32	74,206.02	33,439.01
Sirectifits	und michicity	consumption based	met 3				290.599				eecricity									
									1											
Elect and equipment - fur							No errors in this table							a breakdown (i						
Fleet and equipment - jud				RSD	Data		Converted data	Standard units	Total EF (kgCO2e/unit)	Total emissions		Ease of collection		a breakcown () indirect generation			Indirect WTT	High		Outside of
Type All Deed	Fuel	Category 1	Methodology	55	Data 131,128	Units			0.3097		Notes	Ease of collection Data complete and easy to	Direct	generation	service	Indirect T&D			Low 394,625.49	100pes
	Literation (And ge could bein					2,250,073				Just ce fuit ca d stage	Data complete and easy to								
									1											
Fleet - distance							No data entered						Emission dat	a breakdown (i	iz CO.e)					
Type	Fael	Size	Methodology	ISD	Data	Units	Converted data	Standard units	Total EF (kgCO ₂ e/unit)	Total emissions	Notes	Ease of collection	Direct	Indirect generation	Indirect service	Indirect T&D	Indirect WTT	High	Low	Outside of
														generation	service					scopes
									1											
Other gases							No errors in this table							a breakdown (k						
Туре	Gas	Not used	Methodology	ISD	Data	Units	Converted data		Total EF (kgCO ₂ e/unit)	Total emissions (kgCO2e)	Notes	Ease of collection	Direct	Indirect generation	Indirect service	Indirect T&D	Indirect WTT	High	Low	Outside of scopes
Anaesthetic gas Anaesthetic gas	Desflurane		Tier 3	10%	117.95 38.63	ke	39	kat	1,790	18,966,35			211.110.50					20.852.94	190.017.45	
Anaesthetic gas Anaesthetic gas	Nitrous coide Sevoflurane		Tier 3	10%	2,075.69	kg	2,076	kg	298	618,555.62			618,555.62					680,411.18	\$\$6,700.06	
			8		274.09	-4														
			8																	
			8																	
			ș.																	
A main subscene													Emission 4-4	a breakdown (k	= (O a)					
Aufriculture	Column 1	Not use d	Realizated		Data	11-in-	no data entered	for shed with	Table III Darth adapted	Total emissions		taxa of calculation	Emission dat	indirect	indirect			10.0	law.	Outside of
register to reaction section	Cardford 1	Notused	a subcoursely	150	0.00	onia	Convenies cara	Sumario unta	and (Ageographic)	(kgCO ₂ e)	NUM	- Line or Collection		generation	service	ALL POT TAD	-transct with	- AP		scopes
			ě.																	
			8																	
			8																	
			8																	



Cell colour codes: Information cell or question Information cell or question
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 Information entry. Some cells have drop down lists
 Calculated data

Business travel, commuting and homeworking

Guidance for users This sheet contains three tables - business travel, commuting and homeworking Please see Section 8 of the Welsh Net Zero Public Sector Reporting Guide for further guidance

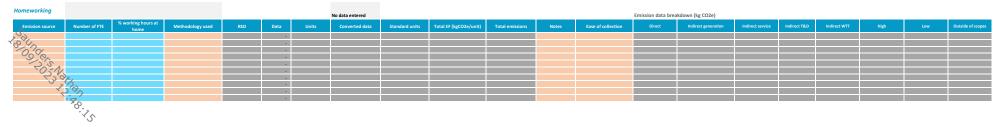
Instructions for users

Input information into the orange and blue cells. Grey cells should not be edited.

Addition into the orange and build exists induced on the exists.
 Addition of the data is completing a row, fill in the data is in units specified in the 'unit's column drop down list. If your data is in units that are not included in this drop down list, you will need to convert it before entering it into this sheet (see conversion sheet)
 When completing a row, fill in the columns from left to right. The drop down list in later columns will charge to provide valid combinations based on your previous selections.
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 If ill in the notes column with a description of the method and data source used for each now
 Please note that the 'United' discource' emissions are not included in the insiston'

Business travel							No errors in this table					Emission data brea	kdown (kg CO2e)						
Emission source	Category 1	Category 2	Methodology used		Data				Total EF (kgCO2e/unit)		Ease of collection	Direct	Indirect generation		Indirect T&D		High	Low	Outside of scopes
Private car	Average		Tier 2	13%		Vehicle miles		Vehicle km	0.21575			-		533,615.85	-	140,946.87		590,242.38	-
Public Transport	Bus	Average local bus	Tier 2	15%	1,556	Passenger miles	2,503	Passenger km	0.12144	304.00		-		241.57	-	62.43	349.60	258.40	-

Commuting							No errors in this table					Emission data bre	akdown (kg CO2e)						
Emission source	Category 1	Category 2	Methodology used		Data				Total EF (kgCO2e/unit)		Ease of collection	Direct	Indirect generation	Indirect service	Indirect T&D	Indirect WTT	High	Low	Outside of scopes
Private car	Average	Unknown fuel	Tier 3	8%		Vehicle miles		Vehicle km	0.21575					4,936,956.44		1,304,025.29	6,709,055.36	5,772,908.10	
Motorbike	Average	Petrol	Tier 3	8%		Vehicle miles		Vehicle km	0.14489	774.22				606.75		167.46	832.28	716.15	
Public Transport	Taxi	Taxi - Regular	Tier 3	10%		Vehicle miles		Passenger km	0.18508	659.32		-		529.93	-	129.38	725.25	593.38	-
Public Transport	Bus	Average local bus	Tier 3	10%		Vehicle miles		Passenger km	0.12144	4,867.53				3,867.89	-	999.64	5,354.29	4,380.78	-
Public Transport	Rail	Light rail and tram	Tier 3	10%	10,518	Vehicle miles	16,923	Passenger km	0.03606	610.26				484.18	-	126.08	671.29	549.23	-



Cell colour codes: Information cell or question Activity data. Numeric data entry
Information entry. Some cells have drop dowr
Calculated data

Land-based scoping questions

Land area	Land area in hectares (ha)
and owned and managed by your organisation	81.20
and owned by your organisation and leased to a private rganisation or individual but still used for delivering public ervices	
nd owned by your organisation and leased to another public tor body, where your organisation is responsible for nagement of the asset	
d leased by your organisation from a private organisation or widual and used for delivering public services,	2.60
d leased from another public sector body, where your anisation is responsible for management of the asset	0.91
tal	84.73

Complete table below

Tier 1 methodology for land-based e	emissions			No data entered					
Current land use type	Soil type	Previous land use type (select the same type as current if >20 years under same use)	Land area in hectares (ha)	Emission factor (tCO ₂ /ha/year)	Total kg CO ₂ e	RSD estimate (+/-%)	Source of data (e.g. estates team digital maps or estimates)	High	Low

If you wish to use a higher tier method to report your land use emissions, record these in the table below. *Tier 2 methodology for land-based emissions*

If you wish to use a higher tier method to repo		se emissions, record these in the table bel	ow.				
Tier 2 methodology for land-based	emissions			No data entered			
Land use type	Soil type	Not used	Land area in hectares (ha)	Not used 2	Emission kg CO2e	Methodology used (IPCC equivalent Tier)	Notes on data sources
			8				



Cell colour codes: Information cell or question Activity data. Numeric data entry Information entry. Some cells have drop down lists Calculated data

Organisational, municipal and project waste Galdence for ware: This tab is thore taken for each of the second state of the second state is the second state is not available, choose the closed match and write in the notes what weath type 1.1. The second table for each of the second state is the second state is the second state is not available, choose the closed match and write in the notes what weath type 1.1. The second table for each of the second state is the second state is

Instructions for users

Instructions of early and provide states using to pay also based as based as a based on the part deformation of the part of t

Irganisational waste				_		No errors in this t	ble					Emission data	breakdown (k	g CO2e)					
	Disposal	Methodology used	RSD	Data	Units	Converted data	Standard units	Total EF (kgCO2e/unit)	Total emissions	Notes	Ease of collection		Indirect generation	Indirect service	Indirect T&D	Indirect WTT	High	Low	Outside of scopes
ixed recycling	Recycling	Tier 3	5%		tonnes	612.00		21.28						13,023.48			13,674.65	12,372.30	
nical waste	High temperature incineration	Tier 3	5%		tonnes	534.70		1074.00						574,267.80			602,981.19	545,554.41	
nical waste	High temperature incineration		5%		tonnes	1,036.48		1074.00						1,113,179.52				1,057,520.54	
on infectious offensive waste	Combustion	Tier 3	5%		tonnes	654.67		82.00						53,682.94			56,367.09	50,998.79	
rganic food and drink	Anaerobic digestion	Tier 3	5%		tonnes		tonnes	8.91						873.24			916.90	829.58	
ommercial and industrial waste	Combustion	Tier 3	5%	1,582	tonnes	1,581.76	tonnes	21.28	33,660.16					33,660.16			35,343.17	31,977.15	

Does your organisation collect this waste and include the vehicle fuel in the	Municipal waste	
and include the vehicle fuel in the	your organisation collect this	
	waste and include the vehicle fuel in the	

et section?					No data	entered						Emission data	breakdown (kj	g COZe)					
Waste type	Disposal	Methodology used	RSD	Data	Units	Converted data	Standard units	Total EF (kgCO2e/unit)	Total emissions	Notes	Ease of collection	Direct	Indirect	Indirect service	Indirect T&D	Indirect WTT	High	Low	Outside
													generation						scop
ct waste						No data entered						Emission data	breakdown (kj	g CO2e)					
Ct waste Waste type	Disposal	Methodology used	RSD	Data	Units	No data entered Converted data	Standard units	Total EF (kgCO2e/unit)	Total emissions	Notes	Ease of collection	Emission data Direct	breakdown (k Indirect generation	g CO2e) Indirect service	Indirect T&D	Indirect WTT	High	Low	Out sc
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (kgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High	Low	Out sc
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (kgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High	Low	0u 31
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (kgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High	Low	0.0 31
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (kgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High	Low	Out Si
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (kgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High	Low	00 5
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (kgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High		0u 3
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (kgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High		0u 5
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (kgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High	Low	0
Waste type		Mathedology used	RSD	Data	Units		Standard units	Total EF (kgCD2e/unit)		Notes	Ease of collection				Endirect T&D	Indirect WTT	High		
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (kgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High		
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (kgCO2e/unit)		Notes	Ease of collection				Indirect T&D		High		
		Methodology used	RSD	Data	Units		Standard units	Total EF (hgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High		
Waste type		Mathodology used	RSD	Data	Units		Standard units	Total (F (LgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WIT	High		
Waste type		Methodology used	RSD	Data	Units		Standard units	Total EF (hgCO2e/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	Kigh		
Waste type		Mathodology used	ASD		Units		Standard units	Tetal EF (IgCO2e/unit)		Notes	Ease of collection				Indirect T&D		Hgh		
		Methodology used	850	Data			Standard units	Total EF (hgCO2a/unit)		Notes	Ease of collection				Indirect T&D	Indirect WTT	High		

Il colour codes:	Information cell or	Activity data. Numeric data entry	
	Information entry.	Calculated data	

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upply chain group	SIC code (SIC 2007	Product category	Amount spent by product category (£)	Emission factor	Total kg CO2e	RSD	Notes on data source and exclusions	Tier 1 & 2 combined	High	Low
upply chain group GRICULTURE, FORESTRY AND			Amount spent by product category (E)	(kgCO ₂ e per £ spent)	Total kg CO ₂ e		Notes on data source and exclusions	combined emission		
SHING GRICULTURE, FORESTRY AND	01	Products of agriculture, hunting and related services		2.189		25%		0.0	0.0	0.0
ISHING	02	Products of forestry, logging and related services		0.282		25%		0.0	0.0	0.0
GRICULTURE, FORESTRY AND ISHING	03	Fish and other fishing products; aquaculture products; support services to fishing		0.659		25%		0.0	0.0	0.0
AINING AND QUARRYING AINING AND QUARRYING	05	Cool and lignite Crude petroleum and natural pas		1.883 0.868		25%		0.0	0.0	0.0
AINING AND QUARRYING	08	Other mining and quarrying products		0.692		25%		0.0	0.0	0.0
IINING AND QUARRYING IANUFACTURING	09 10.1	Mining support services Preserved meat and meat araducts		0.409		25%		0.0	0.0	0.0
AANUFACTURING AANUFACTURING	10.1	Processed and preserved fish, crustaceans, mailuscs,	£104.63	0.766	71.1	25%		71.1	88.9	53.4
AANUFACTURING	10.1 -5	fruit and waetables Vegetable and animal oils and fats	10.03	0.983	/ 1.4	25%		0.0		0.0
AANUFACTURING	10.5	Dairy products	£441,220.19	0.874	385,626.4	25%			133628.6	
AANUFACTURING AANUFACTURING	10.6 10.7	Grain mill products, starches and starch products Bakery and farinaceous products	£3,112.01	0.824 0.582	1,811.2	25%		1811.2	0.0 2264.0	1358.4
AANUFACTURING AANUFACTURING	10.8 10.9	Other food products Prepared animal feeds	£1,574,566.61	0.696	1,095,898.4	25%		1095898.4	1369873.0 0.0	821923.8 0.0
MANUFACTURING	11.01-6	Alcoholic beverages		0.745		25%		0.0	0.0	0.0
MANUFACTURING MANUFACTURING	11.07 12	Soft drinks Tobacco aroducts		0.495		25%			0.0	
MANUFACTURING	13	Textiles	£288,664.61	0.869	250,849.5	25%		208349.8	260258.6	156441.0
MANUFACTURING	14	Wearing apparel Leather and related products	£31.973.10 £365.632.13	0.782	25.003.0	25%			30809.7 332165.9	
MANUFACTURING	16	Wood and of products of wood and cork, except furniture: articles of straw and plaiting materials	£4,148.77	0.553	2,294.3	25%		2294.3	2867.8	1720.7
ANUFACTURING	17	Furniture: articles of straw and platting materials Paper and paper products	£300,105.38	0.698	209,473.6	25%		209320.2	261646.8	156993.7
IANUFACTURING IANUFACTURING	18 19	Printing and recording services Coke and refined petroleum products	£538,933.03	0.418	225,274.0	25%		225274.0	281592.5	168955.5 0.0
IANUFACTURING	20.3	Paints, varnishes and similar coatings, printing ink and	£189,090.53	1.151	217,643.2	25%		15590.3	19094.1	12086.5
IANUFACTURING	20.4	mastics Soap and detergents, cleaning and polishing	£689.734.86	0.568	391,769.4	25%		319788.9	399552.7	240025.1
IANUFACTURING	20.4	preparations, perfumes and toilet preparations Other chemical products	£083,734.80 £621 716 75	0.508	508 564 3	25%			618228.4	
IANUFACTURING	20A	Industrial aases, inorganics and fertilisers (all inorganic	£183,126.37	1.307	239,346.2	25%		239346.2	299182.7	179509.6
IANUFACTURING	208	chemicals) - 20.11/13/15 Petrochemicals - 20.14/16/17/60	£31,270.27	1.134	35,460.5	25%			44325.6	26595.4
IANUFACTURING	20C	Dyestuffs, agro-chemicals - 20.12/20 Basic pharmaceutical products and pharmaceutical		1.005		25%			0.0	0.0
IANUFACTURING	21	preparations	£85,544,425.63	0.514	43,969,834.8	25%		42187979.8	52716036.3 315598.4	31659923.3 196411.1
IANUFACTURING	22	Rubber and plastic products Cement, lime, plaster and articles of concrete, cement	£1,289,728.40	0.589	759,650.0			0.0	0.0	0.0
	23.5-6	and plaster Glass, refractory, clay, other porcelain and ceramic,				25%				
AANUFACTURING	230THER 24.1.3	stone and abrasive products - 23.1-4/7-9 Basic iron and steel	£670.86 £49.125.60	1.395	935.8 81.499.4	25%		935.8 81499.4	1169.8 101874.2	701.9
IANUFACTURING	24.4-5	Other basic metals and castina	149,125.60	1.155		25%		0.0	0.0	0.0
IANUFACTURING	25.4	Weapons and ammunition Fabricated metal products, excl. machinery and		0.544		25%		0.0	0.0	0.0
IANUFACTURING	250THER	Fabricated metal products, excl. machinery and equipment and weapons & ammunition - 25.1-3/25.5-	£608,551.96	0.515	313,404.3	25%		311183.7	388079.8	234287.6
IANUFACTURING	26	9 Computer, electronic and optical products	£3,128,097.63	0.468					1600982.5	
IANUFACTURING IANUFACTURING	27 28	Electrical equipment Machinery and equipment n.e.c.	£630.654.81 £2,257,953.17	0.534 0.448	336.769.7 1.011.563.0	25%		336769.7	420962.1 1259044.7	252577.3 755432.5
IANUFACTURING	29	Motor vehicles, trailers and semi-trailers	£3,969.70	0.366	1,452.9	25%		1452.9	1816.1	1089.7
IANUFACTURING IANUFACTURING	30.1 30.3	Ships and boats Air and spacecraft and related machinery		0.292		25%			0.0	
IANUFACTURING	300THER	Other transport equipment - 30.2/4/9	£296,733.90	0.303	89,910.4	25%		89910.4	112388.0	67432.8
IANUFACTURING IANUFACTURING	31 32	Furniture Other monufactured goods	£191,230.82 £32,861,070.96	0.563	107,663.0 23.824.276.4	25%			134578.7 19043645.2	
IANUFACTURING	33.15 33.16	Repair and maintenance of ships and boats Repair and maintenance of aircraft and sourcerraft		0.359		25%			-57.6 0.0	
IANUFACTURING	33.16 330THER	Repair and monitenance of aircraft and spacecraft Rest of repair; Installation - 33.11-14/17/19/20	£3,331,061.09	0.432	632,901.6			632901.6	791127.0	474676.2
LECTRICITY, GAS, STEAM AND AIR	35.1	Electricity, transmission and distribution		1.774		25%		0.0	0.0	0.0
LECTRICITY, GAS, STEAM AND AIR ONDITIONING SUPPLY	35.2-3	Gas; distribution of gaseous fuels through mains; steam and air conditioning supply	£3,095,356.73	1.403	4,342,785.5	25%		266208.4	331589.1	200827.8
ATER SUPPLY; SEWERAGE, WASTE										
ANAGEMENT AND REMEDIATION	36	Natural water; water treatment and supply services	£104,128.37	0.215	22,387.6	25%		22387.6	27984.5	16790.7
VATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION	37	Sewerage services; sewage sludge	£111,346.80	0.388	43,202.6	25%		43202.6	54003.2	32401.9
CTIVITIES VATER SUPPLY: SEWERAGE, WASTE										
ANAGEMENT AND REMEDIATION	38	Waste collection, treatment and disposal services; materials recovery services		1.427		25%		0.0	0.0	0.0
ACTIVITIES WATER SUPPLY; SEWERAGE, WASTE		Remediation services and other waste management						_		
ANAGEMENT AND REMEDIATION	39	remediation services and other waste management services	£35,402.80	3.425	121,254.6	25%		121254.6	151568.2	90940.9
ONSTRUCTION	41.2	Buildings and building construction works	£36,792,756.42	0.240	8,830,261.5	25%			7864049.9	
ONSTRUCTION	42.1-2	Constructions and construction works for civil engineering		0.306		25%		0.0	0.0	0.0
ONSTRUCTION VHOLESALE AND RETAIL TRADE;	42.99	Specialised construction works		0.238		25%		0.0	0.0	0.0
EPAIR OF MOTOR VEHICLES AND NOTORCYCLES	45	Wholesale and retail trade and repair services of motor wehicles and motorcycles	£127,004.61	0.155	19,685.7	25%		19570.8	24463.5	14678.1
PAIR OF MOTOR VEHICLES AND RETAIL TRADE;	46	Wholesale trade services, except of motor vehicles and	£88,139,019.91		33,228,410.5	25%		28776320.5	35876342.7	21676298.3
NOTORCYCLES	46	motorcycles	188,139,019.91	0.377	33,228,410.5	25%		28776520.5	338/0342.7	21070298.3
VHOLESALE AND RETAIL TRADE; EPAIR OF MOTOR VEHICLES AND	47	Retail trade services, except of mator vehicles and	£84,110,570.86	0.197	16,569,782.5	25%		16038468.3	20040026.6	12036910.0
IOTORCYCLES RANSPORTATION AND STORAGE	49.1-2	motorcycles Rail transport services	£3,234,211.59	0.325	1,051,118.8	25%			1313898.5	
RANSPORTATION AND STORAGE	49.1-2	Land transport services and transport services via	13,234,211.39	0.518	1,051,118.8	25%		0.0	0.0	0.0
RANSPORTATION AND STORAGE	50	pipelines, excluding rail transport Water transport services		1.672		25%		0.0		
RANSPORTATION AND STORAGE	51	Air transport services		1.669		25%			0.0	
RANSPORTATION AND STORAGE	52	Warehousing and support services for transportation	£423,191.44	0.181	76,597.7	25%		76597.7	95747.1	57448.2
RANSPORTATION AND STORAGE	53	Postal and courier services	£497,053.12	0.178	88,475.5	25%		88475.5		
ERVICE ACTIVITIES	55	Accommodation services	£895,639.41	0.247	221,222.9	25%		117173.3	146438.7	87907.9
ERVICE ACTIVITIES	56	Food and beverage serving services	£734,748.88	0.241	177,074.5	25%		102596.8	127019.6	78174.0
FORMATION AND OMMUNICATION	58	Publishing services	£498,180.64	0.091	45,334.4	25%		45106.3	56381.1	33831.4
FORMATION AND	59	Motion picture, video and TV programme production	£199,251.85	0.095	18,928.9	25%		18928.9	23661.2	14196.7
OMMUNICATION		services, sound recording & music publishing						_		
OMMUNICATION FORMATION AND	60	Programming and broadcasting services		0.083		25%		0.0	0.0	0.0
DMMUNICATION	61	Telecommunications services	£2,539,604.82	0.110	279,356.5	25%		279356.5	349195.7	209517.4
FORMATION AND DMMUNICATION	62	Computer programming, consultancy and related services	£15,058,935.79	0.100	1,505,893.6	25%		1078028.1	1346694.9	809361.2
FORMATION AND DMMUNICATION	63	Information services	£3,224,080.09	0.164	528,749.1	25%		528749.1	660936.4	396561.9
INANCIAL AND INSURANCE CTIVITIES	64	Financial services, except insurance and pension	£8,768,792.14	0.070	613,815.4	25%		604988.2	754597.6	455378.8
INANCIAL AND INSURANCE	65.1-2	funding Insurance and reinsurance services, except compulsory	£34,930.27	0.068	2,375.3	25%		2375.3	2969.1	1781.4
CTIVITIES INANCIAL AND INSURANCE		social security Services auxiliary to financial services and insurance							4363.2	2617.9
CTIVITIES	66	services Real estate services, excluding on a fee or contract	£59,162.40	0.059	3,490.6	25%		3490.6		
EAL ESTATE ACTIVITIES	68.12	basis and imputed rent	£4,548,825.30	0.087	395,747.8	25%		395747.8	494684.8	296810.9 0.0
EAL ESTATE ACTIVITIES EAL ESTATE ACTIVITIES	68.2IMP 68.3	Owner-Occupiers' Housing Services Real estate services on a fee or contract basis		0.027 0.077		25%		0.0	0.0	0.0
ROFESSIONAL, SCIENTIFIC AND ECHNICAL ACTIVITIES	69.1	Legal services	£11,114,522.90	0.043	477,924.5	25%		477924.5	597405.6	358443.4
OFESSIONAL, SCIENTIFIC AND	69.2	Accounting, bookkeeping and auditing services; tax	£65,278.72	0.145	9,465.4	25%		9465.4	11831.8	7099.1
CHNICAL ACTIVITIES ROFESSIONAL, SCIENTIFIC AND	70	consultina services Services of head offices; management consulting	£4.358.333.36	0.104	453,266.7	25%		448251.4	560138.1	336364.7
CHNICAL ACTIVITIES ROFESSIONAL, SCIENTIFIC AND		services Architectural and engineering services; technical								
CHARGE ACTIVITIES	71	testina and analysis services	£1,152,154.36	0.157	180,888.2	25%		97931.7	122351.4	73512.1
ROFESSIONAL, SCIENTIFIC AND ECHNICAL ACTIVITIES	72	Scientific research and development services	£6,313,280.06	0.157	991,185.0	25%		778375.5	954926.3	601824.6
	73	Advertising and market research services	£66,747.75	0.104	6,941.8	25%		6941.8	8677.2	5206.3
DIESSIONAL, SCIENTIFIC AND	74	Other professional, scientific and technical services	£11,692,312.06	0.149	1,742,154.5	25%		1514782.2	1878619.9	1150944.4
CHURCH ACTIVITIES CHURCH ACTIVITIES DESSIGNAL SCIENTIFIC AND CHURCH ACTIVITIES ROFESSIONAL SCIENTIFIC AND CCHURCH ACTIVITIES	75	Veterinory services		0.066		25%		0.0	0.0	0.0
DMINISTRATIVE AND STRADART	77	Rental and leasing services	£612,771.79	0.115	70,468.8	25%		70468.8	88085.9	52851.6
MINISTRATIVE AND STOPORT RVICE ACTIVITIES MINISTRATIVE AND STOPORT								3451145.2	4310793.8	2591496.6
RVICE ACTIVITIES 1 2 4 2	78	Employment services Travel agency, tour operator and other reservation	£29,026,170.22	0.133	3,860,480.6	25%				
RVICE ACTIVITIES MINISTRATIVE AND SUPPORT	2.	services and related services	£219,412.38	0.117	25,671.2	25%		25671.2	32089.1	19253.4
MINISTRATIVE AND SUPPORT	2 80	Security and investigation services	£1,165,299.86	0.103	120,025.9	25%		120025.9	150032.4	90019.4
DMINISTRATIVE AND SUPPORT	P. 81	Services to buildings and landscape	£1,854,933.47	0.142	263,400.6	25%		260483.9	325603.4	195364.4
		Office administrative, office support and other	£10.314.286.01	0.129	1,330,542.9	25%		1273815.8	1592041.8	955589.9
DMINISTRATIVE AND SUPPORT	×8	hurlears support conicor								
DMINISTRATIVE AND SUPPORT ERVICE ACTIVITIES UBLIC ADMINISTRATION AND	13	business support services Public administration and defence services;							100	
MINISTRATIVE AND SUPPORT RVICE ACTIVITIES	84 85		£71,073,690.43 £8,839.054.80	0.120	8,528,842.9	25%		8528842.9	10661053.6	6396632.1

ensure that the spend relating to any emissions

HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	87	Residential care services	£36,241,956.22	0.131	4,747,696.3	25%	4747696.3	5934620.3	3560772.2
HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	88	Social work services without accommodation	£4,447,650.26	0.108	480,346.2	25%	480346.2	600432.8	360259.7
ARTS, ENTERTAINMENT AND RECREATION	90	Creative, arts and entertainment services	£142,615.95	0.094	13,405.9	25%	13405.9	16757.4	10054.4
ARTS, ENTERTAINMENT AND RECREATION	91	Libraries, archives, museums and other cultural services	£21,942.78	0.123	2,699.0	25%	2699.0	3373.7	2024.2
ARTS, ENTERTAINMENT AND RECREATION	92	Gambling and betting services	£80,000.00	0.099	7,920.0	25%	7920.0	9900.0	5940.0
ARTS, ENTERTAINMENT AND RECREATION	93	Sports services and amusement and recreation services	£147,254.24	0.155	22,824.4	25%	22824.4	28530.5	17118.3
OTHER SERVICE ACTIVITIES	94	Services furnished by membership organisations	£587,891.68	0.096	56,437.6	25%	56437.6	70547.0	42328.2
OTHER SERVICE ACTIVITIES	95	Repair services of computers and personal and household goods	£16,569.10	0.095	1,574.1	25%	1574.1	1967.6	1180.5
OTHER SERVICE ACTIVITIES	96	Other personal services	£4,834,720.13	0.070	338,430.4	25%	338430.4	423038.0	253822.8
ACTIVITIES OF HOUSEHOLDS AS EMIPLOYERS; UNDIFFERENTIATED GOODS- AND SERVICES-PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWNUESE	97	Services of households as employers of domestic personnel		0.054		25%	0.0	0.0	0.0

If you wish to use a higher tier method for part of calculating the emissions, or a reference to furth DO NOT subtract this spend from the data repor compiling the data. The 'Supply chain group' and ciated with those emissions. Include brief notes about your method for ided in the total spend for that category in the table above. Duplicated emissions will be recon iled when ild also be incl

tier 2 meth

Supply chain group	SIC code (SIC 2007)	Product category	Spend for which Tier 2 method accounts		Calculated emissions (kgCO2e) for this spend	RSD	Notes on data source and methods	High	Low
MANUFACTURING	10.5	Dairy products	403,346		76,876.24	20%		92251.49	61500.99
MANUFACTURING	13	Textiles	53,018	4//////////////////////////////////////	3,572.64	20%		4287.17	2858.11
MANUFACTURING	14	Wearing apparel		<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	590.97	20%		709.17	472.78
MANUFACTURING	15	Leather and related products		4//////////////////////////////////////	35.53	20%		42.64	28.43
MANUFACTURING	17	Paper and paper products	320	<i>`````````````````````````````````````</i>	70.31	20%		84.38	56.25
MANUFACTURING	20	Paints, vamishes and similar coatings, printing ink and mastics	182,388		7,875.43	20%		9450.52	6300.34
MANUFACTURING	20	Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	133,186		3,668.96	20%		4402.75	2935.17
MANUFACTURING	21	Other chemical products	17,312	9//////////////////////////////////////	186.95	20%		224.35	149.56
MANUFACTURING	21	Basic pharmaceutical products and pharmaceutical preparations	4,203,549		378,769.44	20%		454523.32	303015.55
MANUFACTURING	22	Rubber and plastic products	1,004,747	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	88,150.93	20%		105781.12	70520.74
MANUFACTURING	25OTHER	Fabricated metal products, excl. machinery and equipment and weapons & ammunition - 25:1-3/25.5-9	39,257		17,996.68	20%		21596.02	14397.35
MANUFACTURING	26	Computer, electronic and optical products		4//////////////////////////////////////	936.92	20%		1124.30	749.53
MANUFACTURING	28	Machinery and equipment n.e.c.		<i>`````````````````````````````````````</i>	71.33	20%		85.60	57.07
MANUFACTURING	32	Other manufactured goods	12,128,120	4//////////////////////////////////////	212,007.22	20%		254408.66	169605.77
MANUFACTURING	33	Repair and maintenance of ships and boats	252		46.20	20%		55.44	36.96
ELECTRICITY, GAS, STEAM AND AIR COP	35.2-3	Gas; distribution of gaseous fuels through mains; steam and air conditioning supply	2,922,313		23,428.52	20%		28114.23	18742.82
CONSTRUCTION	41	Buildings and building construction works	12,070,267	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	372,752.50	20%		447303.00	298202.00
WHOLESALE AND RETAIL TRADE; REPAI	45	Wholesale and retail trade and repair services of motor vehicles and motorcycles	744		0.43	20%		0.51	0.34
WHOLESALE AND RETAIL TRADE; REPAI	46	Wholesale trade services, except of motor vehicles and motorcycles	16,799,066		1,881,158.03	20%		2257389.64	1504926.42
WHOLESALE AND RETAIL TRADE; REPAI	47	Retail trade services, except of motor vehicles and motorcycles	3,515,176		161,175.60	20%		193410.72	128940.48
ACCOMMODATION AND FOOD SERVICE	55	Accommodation services	423,512	4//////////////////////////////////////	557.91	20%		669.50	446.33
ACCOMMODATION AND FOOD SERVICE	56	Food and beverage serving services	410,814		24,528.58	20%		29434.29	19622.86
INFORMATION AND COMMUNICATION	58	Publishing services	2,880	<i>`````````````````````````````````````</i>	33.89	20%		40.67	27.11
INFORMATION AND COMMUNICATION	62	Computer programming, consultancy and related services	4,446,694		16,803.85	20%		20164.62	13443.08
FINANCIAL AND INSURANCE ACTIVITIES	64	Financial services, except insurance and pension funding	594,000		32,752.73	20%		39303.28	26202.19
PROFESSIONAL, SCIENTIFIC AND TECHN	70	Services of head offices; management consulting services	82,099		3,523.07	20%		4227.68	2818.45
PROFESSIONAL, SCIENTIFIC AND TECH	71	Architectural and engineering services; technical testing and analysis services	536,450		1,266.14	20%		1519.36	1012.91
PROFESSIONAL, SCIENTIFIC AND TECHN	72	Scientific research and development services	3,653,944		360,859.68	20%		433031.62	288587.75
PROFESSIONAL, SCIENTIFIC AND TECHN	74	Other professional, scientific and technical services	3,520,324	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	297,155.87	20%		356587.05	237724.70
ADMINISTRATIVE AND SUPPORT SERVE	78	Employment services	3,549,543	4//////////////////////////////////////	62,753.79	20%		75304.55	50203.03
ADMINISTRATIVE AND SUPPORT SERVI	81	Services to buildings and landscape	20,747	9//////////////////////////////////////	29.42	20%		35.31	23.54
ADMINISTRATIVE AND SUPPORT SERVE	82	Office administrative, office support and other business support services	475,097		4,560.42	20%		5472.50	3648.33
EDUCATION	85	Education services	285,080		7,627.08	0.2		9152.50	6101.67
HUMAN HEALTH AND SOCIAL WORK AG	85	Human health services	12,377,057		419,901.89	0.2		503882.27	335921.51



	Cell colour codes:	Information cell or question	Activity data. Numeric data entry
Renewables		Information entry. Some cells have drop down lists	Calculated data
Guidance for users			

This sheet allows uses to provide information about any renewable energy that an organisation generates or purchases. It has two tables, one for nerwables generated onsite by your organisation, and one for any renewable electricity or heat that your organisation purchases. If your organisation purchases renewable electricity (e.g. through a green tariff) which is reported in this sheet, the activity data should also be included in the "Buildings," feet & Auther assets' sheet. This is because the Webh Public Second to a locational based approach to accounting, all the renewable electricity in the grint is already accounted for in the average of lactor. If individual organisations accounting with the renewable electricity in the grint is already accounted for in the average of lactor. Please see Section 12 of the Welsh Net Zero Public Sector Reporting Guide for further guidance.

Instructions for users

• Input information into the orange and blue cells. Grey cells should not be edited.

injust minimized in the orange and bale cless only cless should not be suited:
 Activity data should only be in KWo mit. If your data is in other units, you will need to convert it before entering it into this sheet (see conversion sheet)
 Activity data should only be in KWo mit. If your data is in other units, you will need to convert it before entering it into this sheet (see conversion sheet)
 When completing a row, fill in the columns from left to right. The drop down lists in later columns will change to privat diac combinations based on your previous selections.
 You can copy and paste between rows but please avoid copying data from one column to another, as this is likely to break the drop down lists.

• Fill in the notes column with a description of the method and data source used

Onsite renewables

Onsite renewables								
Renewable Type	Technology	Methodology used	RSD	Total kWh generated	kWh consumed onsite	kWh exported	Notes	Ease of collection
Renewable electricity	Solar PV	Tier 3	3%	301,922	301,922			Data complete but requires effort to collect and pro

Purchased renewables	If you purchase renewab	le electricity th	nat is supplied through the	UK grid, you must also include this e	lectricity in the buildings ta	ble.	
Renewable Type Agreement	Methodology used	RSD	Total kWh purchased	Not used	Not used2	Notes	Ease of collection
Purchased renewable electrici REGO tariff	Tier 3	3%	29,059,926			This consumption relates to REGO Grid electricity	Data complete but requires effort to collect and pro



											Annalista Anto				GNG Companion Exe	tors for Composed Re	notion 2022			The carbor	Homeworki		
											Rounded to s.d.p		3	drce: OK Governmen	# E	tors for company Re	90rung 2022	8 5		feeterint of w	an ar an		
					Connected		Indicact				Total EF	Rothe	- 8	8	verses of stea	set alt	ss trav ss trav	et lar y for B	y T&O	8	BY used		
adAL String III	Category 1	Category 2	Standard unit	s Other typical unit	data		generation	Indirect service Indirect T&D	Indirect WTT	Outside of scopes	(kgCO2e/unit)	tant.	child and a second	fuels vioene vission	or an of a	dispoc as trav	ss trav susine:	ss trav land childt	delive addive	3 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	equip and have a calculation a	,	
Baddin Direct J Badine Badine Damme											1		Bloene UK ele Heata	ATT-	MTT-1 645 Mater	Mater Maste Budine	ATT 1	MTT-5 MTT-5	uK ele he Bur freigh MTT - K freis	Dutsid Table :	Contraction of the second		
	All natural gas	Gross CV	kWh	m3	11.088	0.18254			0.0311		0.214 Y											Standard natural gas received through th in the UK. Note - contains limited biogas	e gas mains grid network content.
	All LPG	Gross CV		litres	7.259685806	0.21449			0.02532		0.240 Y		2 4////////////////////////////////////								HA, UNA, UNA, UNA, U UA UNA, UNA, UNA, U		
Y N N N N N N Kerosene Y N Y N N N N N Sale	All kerosene All gas oil	Gross CV Gross CV	kWh kWh	litres	10.29373997	0.24673	011111111111111111111111111111111111111		0.0513	~~~~~	0.298 Y 0.316 Y												oversion factors dataset
Y N N N N N N N Bioenergy	Wood pellets	Gross CV	kWh	tonnes	5193	0.01053	///////////////////////////////////////		0.03744	0.34941	0.397	<i></i>	Y							Y ////////////////////////////////////	111, UIII, UIII, UIII, U	<i>III.</i>	
Y N N N N N N Bioenergy Y N N N N N N N Bioenergy	Wood chips Biogas	Gross CV Gross CV	kWh kWh	tonnes tonnes	4087 6105	0.00022			0.00792 0.02841	0.19902051	0.228		Y		VIIII. VIIII. VIIII. S				////.//////////////////////////////////	Y ////////////////////////////////////	UN UNIN UNIN UNIN U UN UNIN UNIN UNIN U	///.	
Y N N N N N N N Coal	Domestic	Gross CV	kWh	tonnes	8366	0.34463		9/////////////////////////////////////	0.05292	///////////////////////////////////////	0.398 Y			S - Y - 			IIII IIIII IIIII I IIII IIIII IIIII I	1111), 11111, 11111, 1 11111, 11111, 11111, 11111, 1		UM, UMA, UMA, U UM, UMA, UMA, U	III. UIII. UIII. UIII. U UII. UIII. UIII. UIII. U	Grid electricity is made up of generation	(scope 2) and
	Consumption based		kWh				0.19338	0.01765	0.05048	0.115069242	0.377											transmission & distribution (scope 3). Ea	ch of these parts have
Y N N N N N N Heat and steam	Onsite		kWh		8		0.17073		0.03133		0.202		8. <i>411 111 111 111 111 111 1</i> 11 1										
Y N N N N N N Heat and steam Y N N N N N N N Water	District		kWh				0.17073	0.00895	0.033189474		0.213											through a longer network	re being supplied
Y N N N N N N Water	Mains supply Mains treatment		m3 m3	litres	0.001			0.149			0.272		, annann, annann, ann 2, 4111111111111, 4111111111, 4111								111, 1111, 1111, 1111, 1 111, 1111, 1111, 1111, 1	<i>III.</i>	
Y N N N N N N N Water	Onsite supply		m3	litres	0.001			٩			0.000		1. <i>111 11 11 11 11 11 11 </i>							<i>UN, UN, UN</i> , U		Assumed that onsite supply from rainwal no additional processing	ter or borehole requires
Y N N N N N N N Water	Onsite treatment		m3	litres	0.001			۵ <i>//////////</i>			0.000											Assumed that onsite treatment produces	s no additional emissions
N N Y N N N N N Diesel	Average biofuel blend 100% mineral diesel		kWh	litres	10.607 10.678	0.24119			0.0575		0.310 Y 0.312 Y		8. 4777777777777777777777777777777777777										
N N Y N N N N N Petrol	Average biofuel blend		kWh	litres	9.545	0.22719		9/////////////////////////////////////	0.06425		0.301 Y		, , , , , , , , , , , , , , , , , , ,										
N N N N N N Petrol N N Y N N N N N Biodiesel	100% mineral petrol		kWh kWh	litres litres	9.685	0.24156	111111111111111111	91111111111111111111111111111111111111	0.06224	0.248716141	0.304 Y		s <i>antininin allinininin allin</i> 3. 11. 11. 11. 11. 11.			1111), U111), U111), U111), U 1111), U111), U111), U111), U		1110, 91110, 91110, 9 11110, 91110, 91110, 9	011), 1111), 1111), 1111), 1111), 1111),		UN UNIN UNIN UNIN U UN UNIN UNIN UNIN U	Emission factor unit is litres rather than k	kWh. Converted to kWh
	NVO																				UN, UNIN UNIN, UNIN, U UN, UNIN, UNIN, UNIN U	using gross CV kWh/litre from fuel prope Emission factor unit is litres rather than k	rties sheet kWh. Converted to kWh
N N Y N N N N N Biodiesel	ME.		kWh	litres	9.568	0.017507316			0.04381898	0.246655518	0.308											using gross CV kWh/litre from fuel prope	erties sheet
N N Y N N N N N Biopetrol	100% biopetrol		kWh	litres	9.2056024	0.001522986			0.029745432	0.252553957	0.284									v ////////////////////////////////////		Emission factor unit is GJ rather than kW using factor of 278. No conversion unit fi	for litres so used
N N N Y N N N N Familand sails	Income days of the		hectares	km2	100	289.2				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,												relationship between emission factor for	kWh and litres
N N N Y N N N N Farmland soils	Improved grassland Arable land		hectares	km2 km2	100 100	1185.2		anninninninnin Uninninninnin Uninninninnin Uninninninni			1186.200				1110.1110.1110							<i>M</i>	
N N N Y N N N N Livestock	Dairy cattle Non-dairy cattle		Head			4726.078723							5 4777777777777777777777777777777777777										
N N N Y N N N N Livestock	Pigs Preitry		Head			228.3410091	///////////////////////////////////////			///////////////////////////////////////	228.341										//////////////////////////////////////	<i>III.</i>	
N N N Y N N N N Livestock	Horses		Head			785.853915	<i></i>	90000000000000000000000000000000000000			785.854			<i>4111,4111,4111</i>							111h 1111h 1111h 🔽 1	<i>////</i> ////////////////////////////////	
N N Y N N N N N Livestock	Sheep and goats Average	Diesel	Head Vehicle km	Vehicle miles	1.609	139.1166578			0.05896		139.117		5 <i>411111111</i> 1111111111111111111111111111									Average (up to 3.5 toppes)	
	Average Average	Petrol	Vehicle km	Vehicle miles Vehicle miles	1.609	0.21332	///////////////////////////////////////		0.05901 0.03185		0.272								//// Y Y			Average (up to 3.5 tonnes) Average (up to 3.5 tonnes) Average (up to 3.5 tonnes)	
N N Y N N N N N V2n	Average	Battery Electric		Vehicle miles Vehicle miles	2	0.25924	0.05703	///////////////////////////////////////		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.291		s annan an ann an an an an an an an an an	11110.111111.11110									
N N Y N N N N N Van	Average	Vehicle Unknown		Vehicle miles	1.609				0.05896				s annann annann ann 3. 111111111111111111111111111111111111	4////. 4/////. 4////	1111.1111.1111.	///////////////////////////////////////						Average (up to 3.5 tonnes)	
	Average rigid Average articulated	Diesel		Vehicle miles Vehicle miles	1.609	0.84051			0.19479 0.21962		1.035		E VIIIIIIII VIIIIIIII VIII E VIIIIIIII VIIIIIIII VIII				UM, UMA, UMA, U UM, UMA, UMA, U				IIIN UIIIN UIIIN UIIIN U UIN UIIIN UIIIN UIIIN U		
	Average HGV	Diesel	Vehicle km	Vehicle miles Vehicle miles	1.609	0.89061	1//////////////////////////////////////		0.20889		1.100	///.///////////////////////////////////	, , , , , , , , , , , , , , , , , , ,		1111.1111.1111.	//////////////////////////////////////	1111, 1111, 1111, 1		//// т т 8			Average laden	
N N Y N N N N N Pool car	Average Average	Diesel Petrol		Vehicle miles	1.609	0.17082414 0.17048		90000000000000000000000000000000000000	0.04885		0.219							Y Y /////				<i>"</i>	
N N Y N N N N N Pool Car	Average	Hybrid Pluz-in Hybrid		Vehicle miles	1.609			9/////////////////////////////////////	0.03132		0.151		3. <i>411 11 11 11 11 11 11 11</i>					ү ү /////			HANNA HAANA HAANA H		
	Average	Electric Vehicle Battery Electric		Vehicle miles	1.609						0.120							Y Y Y					
N N Y N N N N N Poolcar	Average Average	Vehicle Lloknown fuel		Vehicle miles	1.609	0.1705	0.04709	0.00431			0.066												
N N N N N Y Y N N Private rar	Small	Diesel	Vehicle km	Vehicle miles	1.609			0.13989414	0.03344		0.173							Y Y /////					
N N N N N Y Y N N Private car	Medium	Diesel		Vehicle miles Vehicle miles				0.16800414	0.04018		0.260		8 4777777777777777777777777777777777777					Y Y /////			UN, UNIN UNIN, UNIN, U UN UNIN, UNIN, UNIN, U	*	
N N N N N Y Y N N Private car	Average	Diesel		Vehicle miles Vehicle miles				0.17082414	0.04104												UN UNIN UNIN UNIN U		
N N N N N Y Y N N Private car	Medium	Petrol	Vehicle km	Vehicle miles	1.609			0.1847	0.05266		0.237							Y Y /////				<i>///</i>	
N N N Y Y N Private car N N N N Y Y N Private car	Large Average	Petrol	Vehicle km	Vehicle miles Vehicle miles				0.27639	0.07833		0.219		S VIIIIIII VIIIIIIII VIII S VIIIIIII					Y Y /////			IIIN VIIIIN VIIIIN VIIIIN VI VIIN VIIIIN VIIIIN VIIIIN V		
N N N N N Y Y N N Private car	Small	Hybrid Hybrid		Vehicle miles Vehicle miles				0.10332	0.02808				2 4111111111 41111111111111111111111111								HA, HINA MILA, MILA, H HA, MILA, MILA, MILA, H		
N N N N Y Y N N Private car	Large	Hybrid	Vehicle km	Vehicle miles	1.609			0.15491	0.03864		0.194					1111), 1111), 1111), 3		Y Y /////3			UN UNIN UNIN UNIN U	///.	
N N N Y Y N N Private car N N N N Y Y N N Private car	Average Small	Hybrid Plug-in Hybrid		Vehicle miles Vehicle miles	1.609 1.609			0.12004	0.03132		0.151		E VIIIIIII VIIIIIII VIII E VIIIIIII VIIIIIII VIII	:		1111), 11111, 11111), 1 1111), 11111, 11111, 11111, 1	1111), 41111), 41111), 1111), 41111), 41111),		1111, 11111, 11111, 1 1111, 11111, 11111, 11111, 1	1111, 11111, 11111, 1 1111, 11111, 11111, 1	111, 1111, 1111, 1111, 1 111, 1111, 1111, 1111, 1111, 1		
	Merlium	Electric Vehicle Plug-in Hybrid	Vehicle km		1.609			0.08597	0.01493		0.067		s varianta variante varia S variante variante varia				111), 1111), 1111), 1111), 1111), 11111		1110, 91110, 91110, 9 1110, 91110, 91110, 9	1110, 11111, 111111, 1 1111, 11111, 11111, 1	UN UNIN UNIN UNIN U UN UNIN UNIN UNIN U		
T T N N Whate car	Medium	Electric Vehicle Plug-in Hybrid		Vehicle miles	1.609				0.02498		0.111		s anninin annin annin ann				UM UM SUM			UN UN UN UN U	UN UNIN UNIN UNIN U		
THE N N N N Y Y N N Private car		Electric Vehicle Plug-in Hybrid						0.10148					e valdalada valdalada valda Svaldalada valdalada valda				UTA UTA UTA UTA UTA		UNA UNA UNA UNA UNA UNA		UN UNIN UNIN UNIN U		
N N N N Y Y N N Private car	Average	Electric Vehicle Battery Electric	Vehicle km		1.609			0.09349	0.02657		0.120		s valdalla valdalla valda. Svaldalla valdalla valda								UN UNIN UNIN UNIN U		
N N N N Y Y N N Private car	Small	Vehicle Battery Electric		Vehicle miles	1.609			0.04416	0.01189		0.056							YY					
N N N N Y Y N N Private car	Medium	Vehicle Battery Electric		Vehicle miles	1.609			0.04878	0.01368		0.062												
	Large	Vehicle	Vehicle km	Vehicle miles	1.609			0.0555	0.0158		0.071							Y Y					
N N N N Y Y N N Private car	Average	Battery Electric Vehicle		Vehicle miles	1.609			0.0514	0.01426		0.066		s <i>VIIIIII</i> II VIIIIIIIII VIII					Y Y					
N N N N N Y Y N N Private car	Small Medium	Unknown fuel Unknown fuel	Vehicle km	Vehicle miles	1.609			0.1444	0.03904 0.04599		0.222		2. VIIIIIIIII VIIIIIIIII VIII 5. VIIIIIIIII VIIIIIIIII VIII		VIIII. VIIII. VIIII. S			Y Y /////		////.//////////////////////////////////	UN UNIN UNIN UNIN U UN UNIN UNIN UNIN U	///.	
N N N N N Y Y N N Private car	Large	Unknown fuel Unknown fuel	Vehicle km	Vehicle miles				0.22733	0.05783	///////////////////////////////////////								Y Y /////3		111), 1111), 1111), I		<i>M</i> .	
N N N N Y Y N N Hire car	Small	Diesel	Vehicle km	Vehicle miles	1.609			0.13989414	0.03344	///////////////////////////////////////	0.173				4111h. 4111h. 4111h			Y Y /////			11), 1111), 1111), 1111), 11	<i>Ш</i> .	
N N N Y Y N N Hire car	Medium Large	Diesel Diesel	Vehicle km Vehicle km	Vehicle miles Vehicle miles	1.609			0.16800414	0.04018 0.05059		0.260							Y Y /////			111, 1111, 1111, 1111, 1 111, 1111, 1111, 1111, 1111, 1		
N N N Y Y N M Hire car	Average Small	Diesel	Vehicle km	Vehicle miles Vehicle miles				0.17082414	0.04104														
	Medium	Petrol	Vehicle km	Vehicle miles	1.609			0.1847	0.05266		0.237		s, 40000000, 40000000, 4000 5, 4000000, 4000000, 4000					Y Y /////				<i>"</i>	
	Large Average	Petrol Petrol	Vehicle km Vehicle km	Vehicle miles Vehicle miles				0.27639	0.07833 0.04885				S VIIIIIIII VIIIIIIII VIII S VIIIIIIII								HIN VIIIN VIIIN VIIIN V VIN VIIIN VIIIN VIIIN V		
N N Y Y N Hite car N N N Y Y N N Hite car N N N Hite car Y Y N N Hite car N N N Hite car Y Y N N Hite car	Small	Hybrid		Vehicle miles				0.10332	0.02808		0.131							Y Y /////				<i>"</i>	
N N N N N N N N N Hire car	Medium Large	Hybrid Hybrid	Vehicle km	Vehicle miles Vehicle miles	1.609	///////////////////////////////////////		0.15491	0.03864	///////////////////////////////////////	0.194	11), 11/1///////////////////////////////									111, 1111, 1111, 1111, 1 111, 1111, 1111, 1111, 1		
	Average Small	Hybrid Plug-in Hybrid	Vehicle km	Vehicle miles	1.609			0.12004	0.03132		0.151		e vanalilite validatie vali Evaluatie validatie vali				1111, U111, U1111, U111, U1111, U1111,			1111, UIII, UIIII, U 1111, UIII, UIIII, U	AN ANN ANN ANN ANN A		
		Electric Vehicle Plug-in Hybrid			2								s valdalla valdalla valda s valdalla sudalla valdalla valda								UN UNIN UNIN UNIN U		
N N N N Ye Y N N Hire car	Medium	Electric Vehicle Plug-in Hybrid		Vehicle miles	1.609			0.08597	0.02498		0.111												
N N N N Y N N Hire car	Large	Plug-in Hybrid Electric Vehicle Plug-in Hybrid		Vehicle miles	1.609			0.10148	0.02875		0.130												
N N N N N Y N N Hire car	Average	Electric Vehicle	Vehicle km	Vehicle miles	1.609			0.09349	0.02657		0.120							× ×					
N N N N Y Y N N Hire car	Small	Vehicle	Vehicle km	Vehicle miles	1.609			0.04416	0.01189		0.056	U.M.M.M.M.	s. VIIIIIIII VIIIIIIIIII VIII	SANDAN AND		UM. UM UM	UM UM UM	YY	UM UM UM	UM UM UM U	UM, UM, UM, UM, UM, U		

N N N N Y Y N N Hirecar Medium	Battery Electric	Vehicle km V	fehicle miles	1.609	0.04878	0.01368	0.062					
N N N N Y Y N N Hire car Large	Battery Electric	Vehicle km V	(obicle miler	1.609	0.0555	0.0158	0.071					
	Vehicle Rattony Electric							0 111111111 111110 11110 111110 11110 11110 11110 11110 0 11111111	1110, 21110, 21110, 21110, 21110, 21110, 21110, 21110, 21110, 21110, 21110, 21110, 21110, 21110, 21110, 21110,		4. 1111), 11111), 11111), 11111, 11111), 11111), 11111), 16. 11111), 111111, 11111, 11111, 11111, 11111, 11111,	
N N N N Y Y N N Hire car Average	Vehicle	Vehicle km V	fehicle miles	1.609	0.0514	0.01426	0.066	, <i>1111111,</i> 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1	116 UNA UNA UNA UNA UNA UNA	Y MIN. MIN. MIN. MIN. MIN. MIN. MIN. MIN.	6 WA WA WA WA WA WA WA	
N N N N Y Y N N Hirecar Small	Unknown fuel	Vehicle km V Vehicle km V		1.609	0.1444	0.03904	0.183	A MININIA MINA MINA MINA MINA MINA MINA			R. VIIIA, VIIIA, VIIIA, VIIIA, VIIIA, VIIIA, VIIIA, VIIIA, R. VIIIA, VIIIA, VIIIA, VIIIA, VIIIA, VIIIA, VIIIA, VIIIA,	
N N N N N Y Y N N Hirecar Larse		Vehicle km V		1.609	0.22733	0.05783	0.285	8 <i>400 100 100</i> 100 100 100 100 100 100 100	1110 VIII0 VIII0 VIII0 VIII0 VIII0 VIII0		8. WIII WIII WIII WIII WIII WIII WIII	
N N N N Y Y N N Hire car Average	Unknown fuel	Vehicle km V	rehicle miles	1.609	0.17067	0.04508	0.216	II. UMAMAA UMA UMA UMA UMA UMA UMA UMA UMA			IS VIIIS VIIIS VIIIS VIIIS VIIIS VIIIS VIIIS	
N N N N Y Y N N Motorbile Small	Petrol	Vehicle km V		1.609		0.02277	0.106	E. SHAMMA VIAN VIAN VIAN VIAN VIAN VIAN VIAN V				
N N N N N Y Y N N Motorbike Large		Vehicle km V		1.609		0.03678	0.169	,				
N N N N Y Y N N Motorbike Average	Petrol	Vehicle km V	fehicle miles	1.609	0.11355	0.03134	0.145	D. MINING MID, WICH WICH, WICH, WICH, WICH, W	1110, UNIA, UNIA, UNIA, UNIA, UNIA, UNIA, UNIA,	< 🔽 (///////////////////////////////////	IS VIIIS VIIIS VIIIS VIIIS VIIIS VIIIS VIIIS	
N N N Y Y N N Public transport Taxi N N N N Y Y N N Public transport Taxi		Passenger km P. Passenger km P.		1.609	0.14876	0.03632	0.185		AND AND AND AND AND AND AND AND		8 VIII. VIII. VIII. VIII. VIII. VIII. VIII.	
N N N N N N Y Y N N Public transport Taxe		Passenger km P.		1.609	0.0965	0.02494	0.121					
N N N N N Y Y N N Public transport Bus	Coach National rail	Passenger km P. Passenger km P.	assenger miles	1.609	0.02733	0.00646		R. MINIMIR VIIIR VIIIR VIIIR VIIIR VIIIR VIIIR VIIIR R. VIIIIVIIR VIIIR VIIIR VIIIR VIIIR VIIIR VIIIR VIIIR V	1110, 11110, 11110, 11110, 11110, 11110, 11110, 11110, 11110, 11110, 11110, 11110, 11110, 11110, 11110, 11110,		A VIIA VIIA VIIA VIIA VIIA VIIA VIIA 8 VIIA VIIA VIIA VIIA VIIA VIIA VIIA	
N N N N Y Y N N Public transport Rail		Passenger km P		1.609	0.00446	0.00116	0.005 //////////////////////////////////	6	1116, VIIIA, VIIIA, VIIIA, VIIIA, VIIIA, VIIIA, 📒	< < /////	A VIIIA VIIIA VIIIA VIIIA VIIIA VIIIA VIIIA	
N N N N Y Y N N Public transport Rail	Light rail and trai	n Passenger km P.	assenger miles	1.609	0.02861	0.00745	0.036			x x <i>111611161161161</i>		
N N N N N Y Y N N Public transport Rail	London	Passenger km P		1.609	0.02781	0.00724	0.035					
	Underground Ferry - Foot					· · · · · · · · · · · · · · · · · · ·	0.035					
N N N N N Y Y N N Public transport Ferry	passenger	Passenger km P.	assenger miles	1.609	0.018738	0.004208	0.023		<i> </i>	10. UM UM UM UM UM UM UM	8 WA WA WA WA WA WA WA	
N N N N N Y Y N N Public transport Ferry	Ferry - Car	Passenger km P.	assenger miles	1.609	0.129517	0.029087	0.159			D. M.D. M.D. M.D. M.D. M.D. M.D. M.D. M	8 <i>416 416 416 416 416 416 416</i> 416	
N N N N Y N N Flight Domestic	Average	Passenger km P.	assenger miles	1.609	0.24587	0.02691	0.273			10. 4000 4000 4000 4000 4000 4000 400 10. 4000 4000 4000 4000 4000 4000 400		
N N N N Y N N Flight Short haul	Average	Passenger km P.	assenger miles	1.609		0.01681		16 MININA MIA MIA MIA MIA MIA MIA MIA MIA	1111, 11111, 11111, 🔤 🔤 🚺 1111, 11111, 11	11, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111, 1111,	A MIA MIA MIA MIA MIA MIA MIA	
N N N N Y N N Flight Short haul	Economy Business	Passenger km P. Passenger km P.		1.609	0.15102	0.01654	0.168	0 1111111111 11111 11111 11111 11111 1111		111, 11111, 11111, 11111, 11111, 11111, 11111, 1111 111, 11111, 11111, 11111, 11111, 11111, 11111, 11111, 11111, 11111, 11111, 11111, 11111, 11111, 11111, 11111, 1	8 4110, 4110, 4110, 4110, 4110, 4110, 4110, 4110, 8 4110, 4110, 4110, 4110, 4110, 4110, 4110, 4110,	
N N N N Y N N Flight Long haul	Average	Passenger km P	assenger miles	1.609	0.19309	0.02114	0.214	, , , , , , , , , , , , , , , , , , ,				
N N N N Y N N Flight Long haul	Economy	Passenger km P		1.609	0.14787	0.01619		e viinin viin viin viin viin viin viin v			8	
N N N N Y N N Flight Long haul	Business	Passenger km P	assenger miles	1.609	0.42882	0.04696	0.476		AND, AND, AND, AND, AND, AND, AND, AND,	AN, ANNA ANNA ANNA ANNA ANNA ANNA AN		city: assume 150W of electricity per hour and a 35 hour
									VAN VAN VAN VAN VAN VAN VAN V	AND		46.4 week year, multiplied by total grid electricity factor.
N N N N N N Y N Homeworking Home office electricity and heating field	d	FTE year			668.8608612		668.861		UN UN UN UN UN UN UN UN	UN MARTIN MARTIN MARTIN		at assume SIWh ner hour for holler. 6 heating months a
meating tool									UN UN UN UN UN UN UN UN	UN MARTIN MARTIN MARTIN		35 working hours per calendar month average and 66.7% nal home working (no one previously at home), multiplied
N N N Y N N N Wate Agreeates	Recycline	tonnes k	0	0.001	0.98470835		0.985 ////////////////////////////////////		ann anns anns anns anns anns anns anns	an ann ann ann ann ann ann ann an	A MINA MINA WINA WINA by tota	il natural gas factor.
N N N N Y N N N Waste Aggregates	Landfill	tonnes kj	8	0.001	1.2337591		1.234 ////////////////////////////////////	o annana ann ann ann ann ann ann ann ann	UID. YIIID. 🔽 YIID. YIID. YIID. YIID. Y	AN, MITIN MITIN MITIN MITIN MITIN MIT	A MIA, MIA, MIA, MIA, MIA, MIA, MIA	
N N N Y N N N Waste Average construction	Recycline	tonnes ki	2	0.001	0.98470835		0.985	17. YAAAAAA, YAAA, YAAA, YAAA, YAAA, YAAA, YAAA, YAAA, Y	911), 9111), 🔽 9111), 9111), 9111), 9111), 91	UN UNIN, UNIN, UNIN, UNIN, UNIN, UNIN, UNI	0, 4110, 4110, 4110, 4110, 4110, 4110, 4110, 4110,	
N N N N N Waste Acbestos N N N N N N N Waste Acbestos	Landfill Recycling	tonnes kj tonnes kj		0.001	5.913077519			S. VIIIIIII VIIII VIIII VIIII VIIII VIIII VIIII VIIII A. VIIIIIIIII VIIII VIIII VIIII VIIII VIIII VIIII			E VIII, VIII, VIII, VIII, VIII, VIII, VIII, VIII, E VIII, VIII, VIII, VIII, VIII, VIII, VIII, VIII,	
N N N Y N N N Waste Asphalt	Landfil	tonnes kj		0.001			1.234	o annana ann ann ann ann ann ann ann a	1111, 11111, 🔽 11111, 11111, 11111, 11111, 11111, 1	10. UNIA UNIA UNIA UNIA UNIA UNIA	6 WID, WID, WID, WID, WID, WID, WID,	
N N N Y N N N Waste Bricks	Recycling	tonnes kj		0.001		. 9////////////////////////////////////	0.985	D. MINININ, MINI, MINI, MINI, MINI, MINI, MINI, MINI, M	911), 9111), 🔽 9111), 9111), 9111), 9111), 91	UN UNIN UNIN UNIN UNIN UNIN UNIN UNI	0. 4111), 4111), 4111), 4111), 4111), 4111), 4111),	
N N N N Y N N N Waste Bricks	Landfill Recycline	tonnes ka tonnes ka	2	0.001	1.2337591 0.98470835		1.234	A VIIIIIIA VIIIA VIIIA VIIIA VIIIA VIIIA VIIIA VIIIA VIIIA A VIIIIIIIIA VIIIA VIIIA VIIIA VIIIA VIIIA VIIIA VIIIA V	1110, 11110, 11110, 11110, 11110, 11110, 11 1110, 11110, 11110, 11110, 11110, 11110, 1		R. VIIIR, VIIIR, VIIIR, VIIIR, VIIIR, VIIIR, VIIIR R. VIIIR, VIIIR, VIIIR, VIIIR, VIIIR, VIIIR, VIIIR	
N N N Y N N N Waste Concrete	Landfil	tonnes kj		0.001					1110, 11110, 🔽 11110, 11110, 11110, 11110, 11110, 11	917, 91117, 91117, 91117, 91117, 91117, 911	9, 9111, 9111, 9111, 9111, 9111, 9111, 9111, 9111,	
N N N Y N N N Waste Insulation	Recycling	tonnes kj		0.001	0.98470835		0.985	II. ANNO 1111 ANNA AND ANNA ANNA ANNA ANNA ANNA			A NIA NAA NAA NAA NAA NAA NAA	
N N N N N Waste Insulation N N N N N N N Waste Metals	Landfill Recycline	tonnes ku		0.001				8. VIIIIIII VIIIA VIIIA VIIIA VIIIA VIIIA VIIIA VIIIA V 8. VIIIIIIIIII VIIIA VIIIA VIIIA VIIIA VIIIA VIIIA				
N N N N Y N N N Waste Metals	Landfil	tonnes kj		0.001	1.2643491		1264			an, ann, ann, ann, ann, ann, ann, ann,		
N N N Y N N N Waste Soils	Recycling	tonnes kj		0.001	0.98470835		0.985	II. ANNO 1111 ANNA AND ANNA ANNA ANNA ANNA ANNA	1116 UNIS 💶 UNIS UNIS UNIS UNIS UNIS U	UN, UNIN, UNIN, UNIN, UNIN, UNIN, UNI	A NIA NAA NAA NAA NAA NAA NAA	
N N N N Y N N N Watte Soils	Landfill Recycling	tonnes ka		0.001	17.57714045 21.2801938		17.577	a viinin viin viin viin viin viin viin v		11. 4111. 41111. 41111. 41111. 41111. 4111. 10. 41111. 41111. 41111. 41111. 41111. 41111. 411		
N N N N Y N N N Waste Mineral of	Combustion	tonnes kj		0.001	21.2801938		21.280					
N N N Y N N N Waste Plasterboard	Recycling	tonnes k		0.001	21.2801938		21 280	0, 411111110, 41110, 41110, 41110, 41110, 41110, 41110, 41110, 4				
						, , , , , , , , , , , , , , , , , , , ,						
N N N N Y N N N Waste Platerboard	Landfill	tonnes kj		0.001	71.95		71.950		1110 VIII0 🔽 VIII0 VIII0 VIII0 VIII0 V	10. UNA UNA UNA UNA UNA UNA	A MIA MIA MIA MIA MIA MIA MIA	
N N N Y N N N Waste Tyres	Landfil Recycling	tonnes kj tonnes kj	R	0.001	71.95 21.2801938		71.950 21.280				S. VIIIS VIIIS VIIIS VIIIS VIIIS VIIIS VIIIS S. VIIIS VIIIS VIIIS VIIIS VIIIS VIIIS VIIIS	
N N N Y N N N Watte Tyres N N N N N N N N Watte Wood N N N N N N N Watte Wood	Landfill Recycling Recycling Combustion	tonnes ku tonnes ku tonnes ku tonnes ku	8 8 8		71.95 21.2801938 21.2801938 21.2801938 21.2801938		71.950 21.280 21.280 21.280 21.280					
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N N N N Y N N K	N Waste EF not Mixed metal cans	Recycling 1	tonnes kg	0.001	9.12	9.122			Table 52, Methodology Paper for Conversion Factors 2020. Transport distances and vehicles assumptions for water transport. Recycling - 50m (19 wei) distance, average HVD tone ken 50%
N N N N Y N N N		Recycling 1	tonnes kg	0.001	21.2801938	21.280			lides factor
N N N N Y N N	N Waste Mixed paper	Compositing	tonnes kg	0.001	8.910581395	8.911			Table 52, Methodology Paper for Conversion factors 2020.
N N N N Y N N	N Waste EF not including transport Mixed paper	Recycling	tonnes kg	0.001	9.12	9.122			Transport distances and vehicles assumptions for waste transport. Recycling - SORm (1 way) distance, average HGV tonne km 50% Lideim factor
N N N N Y N N	N Waste EF not including transport Mixed paper	Composting	tonnes kg	0.001	4.83	4.832			Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport. Compositing - 10km (1 way) distance, Rigid (>17 tonnes) tonne km 50% laden factor
N N N N Y N N	N Waste Mixed recycling	Recycling	tonnes kg	0.001	21.2801938	21.280			This factor is not available as a mixed recycling stream but it is blady to be collected by Councils. Assumed to be standard unccellent EF.
N N N N Y N N	N Waste EF not including transport Mixed recycling	Recycling 1	tonnes kg	0.001	9.12	9.122		м — — — — — — — — — — — — — — — — — — —	Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport. Recycling - Sölm (1 way) distance, average HGV tonne km 50% Uden factor
N N N N Y N N N N N N N Y N N	N Waste Batteries N Waste Batteries	Recycling t Landfil t	tonnes kg tonnes kg	0.001	21.2801938	21.280			YIL YIND YIND, YIND, YIND, YIND,
N N N N Y N N N	Waste EF not Batteries	Recycling	tonnes kg	0.001	9.12	9.122			Table 51, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport. Recycling: SGRim (1 way) distance, average HGV tone km SGK
	N including transport Batteries								Recycling - 50km (1 way) distance, average HGV toene km 50% lader factor Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport.
	N including transport Batteries	Landfill 1 Recycline 1	tonnes kg	0.001	4.80	4.804			Inert landfil - 10km (1 way) distance, average HGV tonne km 50% laden factor
N N N N Y N N N	N Waste Gothing		tonnes kg tonnes kg	0.001	21.2801938 444.9246857	21.280	IA VIIIIIA VIIIIA VIIIIA VIIA VIIA VIIA		
	Waste FF ont	Landtil	tonnes kg						Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport.
N N N N Y N N	N including transport	Recycling	tannes kg	0.001	9.12	9.122			Recycling - 50km (1 way) distance, average HGV tonne km 50% laden factor Table 52. Methodology Paper for Conversion factors 2020.
N N N N Y N N N	N Waste EF not including transport Clothing	Combustion 1	tonnes kg	0.001	0.89	0.886			Transport distances and vehicles assumptions for wate transport. Combustion - 50km (1 way) distance, Rigid (>17 tornes) tonne km 50k lade factor Table 52, Methodoloev Paper for Conversion factors 2020.
N N N N Y N N	N Waste EF not including transport	Landfil 1	tonnes kg	0.001	434.73	434.728			Tarasport distances and which leads summittee for waste transport. Landthi - 25cm (1 way) distance, average HGV tonne km 50% bidem factor
N N N N Y N N N	N Minute Oversels fand and delah	Combustion 1	tonnes kg tonnes kg		21.2801938	8 911			90, 9110, 9110, 9110, 9110, 9110,
N N N N Y N N	N Waste Organic food and drink	Landfil 1	tonnes kg	0.001	526.8561452	626.856			
N N N Y N N	N Waste Organic food and drink	direction	tonnes kg	0.001	8.910581395	8.911			Table 52, Methodology Paper for Conversion factors 2020.
N N N N Y N N	N Waste EF not including transport Organic food and drink	Combustion 1	tonnes kg	0.001	122193798	9122			Tom Ag, methodology Paper to Convention Factor as the Tamport. Mol Michael Convention of the Conventi
N N N N Y N N	N Waste EF not including transport Organic food and drink	Compositing 1	tonnes kg	0.001	6,478981395	6.479		· ·	Table 52, Methodology Paper for Conversion factors 2020. Transport distances and whiches assumptions for waste transport. CA inte - 10km (1 way) distance, Rigid (>17 tonnes) tonne km 50% bolom forces
N N N Y N N	N Waste EF not including transport Organic food and drink	Landfil 1	tonnes kg	0.001	16.6591452	616.659			Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport. Landfill - 25km (I wav) distance, average HOV tonne km 50% Kaden
N N N N Y N N N	N Waste EF not Organic food and drink	Anaerobic direction	tonnes kg	0.001	.831781395	4.832			Table 52, Methodology Papar for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport. CA site - 10km (1 way) distance, average HGV tonne km 50% lader
N N N N Y N N N	N Waste Organic garden		tonnes kg						WA WINA WINA WINA WINA textor
	N Waste Organic garden	Composting 1	tonnes kg	0.001 //////////////////////////////////	8.910581395	8.911	HA MINIMA MINIMA MINIMA MINA MINA MINA MI		YA YIM YIM YIM YIM YIM
N N N N Y N N N	and the second second	Assessible	tonnes kg		8.910581395	578.940			
		direction							Table 52, Methodology Paper for Conversion factors 2020.
N N N N Y N N	N including transport Organic garden	Combustion 1	tannes kg	0.001	0.89	0.386			Transport distances and welfclies assumptions for waste transport. MSW incinerator - 50km (1 way) distance, Rejd (>17 tonnes) tonion km 50% laden factor Table 52, Methodology Paper for Conversion factors 2020.
N N N N Y N N	N Waste EF not including transport Organic garden	Compositing 1	tonnes kg	0.001	4.83	4.832			Transport distances and vehicles assumptions for waste transport. CA site - 10km (1 way) distance, Rigid (>17 tonnes) tonne km 50% laden factor
N N N N Y N N	N Waste EF not including transport Organic garden	Landfil 1	tonnes kg	0.001	568.74	568.743			Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport. Landfill-25km (1 way) distance, average HGV tonne km 50% laden barrier.
N N N Y N N	N Waste EF not Including transport Organic garden	Anaerobic digestion	tonnes kg	0.001	4.83	4.832			Table 52, Methodology Paper for Convenion factors 2020. Transport distances and vehicles assumptions for waste transport. CA cite - 10ken [1 way] distance, average HOU tonne km 50% laden
N N N N Y N N N	N Waste Organic mixed		tonnes kg	0.001	21.28	21.280			and a second
N N N N Y N N N	N Waste Organic mixed N Waste Organic mixed	Landfil t	tonnes kg tonnes kg	0.001	8.91 ////////////////////////////////////	8.911 587.326			
N N N N Y N N	N Waste Organic mixed	Anaerobic dizestion	tonnes kg	0.001	8.91	8.911			
N N N N Y N N N	N Waste EF not including transport Organic mixed	Combustion 1	tonnes kg	0.001	9.12	9.122			Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport. MSW incinerator - Solim (1 way) distance, Rigid (>17 tonnes) toone Iwn 50% liden factor
N N N N Y N N N	N Waste EF not including transport Organic mixed	Compositing 1	tonnes kg	0.001	6.48	6.479		•	Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport. CA site - 10km (1 way) distance, Rigid (>17 tonnes) tonnes km 50%.
N N N N Y N N	N Waste EF not including transport Organic mixed	Landfil t	tonnes kg	0.001	577.13	577.128			liden factor Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport. Landfill - 25km (1 way) distance, average HGV tonne km 50% laden
	Waste EF not	Anaerobic							Tactor Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport.
	including transport	digestion 1	tonnes kg	0.001	4.83	4.832 82.000			Density of the second s
N N 10 SAVX N N N	Waste Waste Waste EF not Non infectious offensive including transport waste	Combustion	tonnes kg	0.001	61.606	61.506			Table 52, Methodology Paper for Conversion factors 2020. Transport distances and vehicles assumptions for waste transport. MSW incinerator - 50km (1 way) distance, Rgid (>17 tonnes)
	N Waste Infectious waste	Autoclave treatment and	tonnes kg	0.001	402	402.000			MSW incinerator - 50km (1 way) distance, Rigid (>47 tonnes) tonne km 50% laden factor
	N Waste Clinical waste	combustion High temperature	tonnes kg	0.001	1074	1074.000			
	Medical contaminated share	High temperature							
N N N N Y N 3 N	N Waste waste	incineration	tonnes kg	0.001	1074	1074.000			
N N N N Y N N	N Waste Anatomical waste	incineration	tonnes kg	0.001	1074	1074.000			

	Medicinal waste High temperatu	ure tonnor kn	0.001 1074	1074.000		
	incineration				ana ana amin'ny tanàna amin' amin	
Y N N N N N N N F 5,35 Y N N N N N N N N F 5,35	HFC-23 HFC-32	kg	14800 675	14800.000		
Y N N N N N N N F gas	HPC-32 HFC-41	kg ka	92	92,000		
Y N N N N N N N Faas	HFC-125	kg	3500	3500.000	e e e e e e e e e e e e e e e e e e e	90. 900. 900. 900. 900. 900. 900
Y N N N N N N Fg25	HFC-134	kg	1100	1100.000	e v 🔤 Villelik Sullelik Sulla	
Y N N N N N N N F 525	HFC-134a HFC-143	kg ka	1430	1430.000		000, 0000, 0000, 0000, 0000, 0000, 000, 0000, 0000, 0000, 0000, 0000,
Y N N N N N N N Faas	HFC-143a	kaz	4470	4470.000		900, 9000, 9000, 9000, 9000, 9000, 9000,
Y N N N N N N Fg25	HFC-152a	kg	124	124.000	er er stillette stillette stille	
Y N N N N N N N F 5,35 Y N N N N N N N N F 5,35	HFC-227ea HFC-236fa	kg	3220	3220.000		
Y N N N N N N N Fg25	HFC-245fa	kg	1030	1030.000		
Y N N N N N N N Fg35	HFC-43-I0mee	kz	1640	1640.000	er ver vinning vinning ving ving ving ving vin	
Y N N N N N N N Fg.35 Y N N N N N N N N Fg.35	Perfluoromethane (PFC-14) Perfluoroethane (PFC-116)	kg	7390 12200	7390.000		
Y N N N N N N N Fg25	Perfluoropropane (PFC-218)	kg	8830	8830.000		
Y N N N N N N N Fgas	Perfluorocyclobutane (PFC-	ka	10300	10300.000		
	318)		10300			000, 0000, 0000, 0000, 0000, 0000, 000, 0000, 0000, 0000, 0000, 0000,
Y N N N N N N Fg25	Perfluorobutane (PFC-3-1-10)	kg	8860	8860.000		HA WAA VAA VAA VAA VAA VAA
Y N N N N N N Fgas	Perfluoropentane (PFC-4-1- 12)	kg	9160	9160.000		
Y N N N N N N N Fgas	Perfluorohexane (PFC-5-1-14)	ka	9300	9300.000		
V N N N N N N N Feas	PFC-9-1-18	-ro ker	9300	7500.000		1111, 11111, 11111, 11111, 11111, 11111, 11111, 1111, 11111, 11111, 11111, 11111, 11111, 11111,
Y N N N N N N N Fg25	Perfluorocyclopropane	kg	17340	17340.000		NR NIR NIR NIR NIR NIR NIR
Y N N N N N N N Fg25	Sulphur hexafluoride (SF6)	kg	22800	22800.000	er ver vinning vinning ving ving ving ving vin	
Y N N N N N N N Fg35 Y N N N N N N N N Fg35	HFC-152 HFC-161	kg	53	53.000		AND ANNO ANNO ANNO ANNO ANNO ANNO AND ANNO ANNO ANNO ANNO ANNO ANNO
Y N N N N N N N N F 535	HPC-161 HFC-236cb	kg	1340	1340.000		910, 9110, 9110, 9110, 9110, 9110, 9110,
Y N N N N N N N Fg25	HFC-236ea	kg	1370	1370.000	THE VIEWING SUM	
Y N N N N N N N F 5,35 Y N N N N N N N N F 5,35	HFC-245ca HFC-365mfc	kg	693 794	693.000		
Y N N N N N N N F gas	HFC-365mfc Nitrogen trifluoride	ka ka	794	17200.000		
Y N N N N N N N Fg25	R401A	kg	1182	1182.000		UN VIIN VIIN VIIN VIIN VIIN
Y N N N N N N N Fg25	R401B	kg	1288	1288.000		
Y N N N N N N N F 525	R401C R402A	kg kg	933	933.000		nn ann ann ann ann ann ann ann ann ann
Y N N N N N N N F gas	R402B	kg	2415	2416.000		
Y N N N N N N N Fg25	8403A	kg	3124	3124.000	T SUMMER SUMMER SUM	
Y N N N N N N N F 5,35 Y N N N N N N N N F 5,35	R403B R404A	kg kor	4457	4457.000		
Y N N N N N N N Fgas	R404A R405A	kg	3922 4716	4716.000		
Y N N N N N N N F gas	R406A	kg	1943	1943.000	e v 🛛 VIIIIIIIN VIIIIIN VIIIN	
Y N N N N N N N Fg25	8407A	kg	2107	2107.000		
Y N N N N N N N Fg25	R407B	kg	2804	2804.000		
Y N N N N N N N Fg25	8407C	kg	1774	1774.000		
	84070		1577	1627.000		an ann ann ann ann ann ann ann
Y N N N N N N N Fg35 Y N N N N N N N N Fg35		kg		1552.000		
Y N N N N N N N Fg2s	R407E R407F	kg km	1552	1552.000		1111, 11111, 11111, 11111, 11111, 11111, 11111, 1111, 11111, 11111, 11111, 11111, 11111, 11111,
Y N N N N N N N Fg25	R408A	kg	3152	3152.000		
Y N N N N N N Fg25	R409A	kg	1585	1585.000	er er stillette stillette stille	
Y N N N N N Fg25 Y N N N N N N N Fg25	R409B R410A	kg km	1560	1560.000		
Y N N N N N N N Fgas	R410B	ka kg	2229	2229.000		110 VIII0 VIII0 VIII0 VIII0 VIII0 VIII0
Y N N N N N N F gas	R411A	kg	1597	1597.000	THE VIEWING SUM	HA WAA VAA VAA VAA VAA VAA
Y N N N N N Fg35 Y N N N N N N N Fg35	R411B R412A	kg	1705	1705.000		
Y N N N N N N N Fg25	R413A	ka kg	2053	2053.000		
Y N N N N N N N Fg25	R414A	kg	1478	1478.000	T THE WILLIAM AND	
Y N N N N N N N N Fg35	R414B R415A	kg	1362	1362.000		
Y N N N N N N N N F 525	N415A R415B	kg	1507	546.000		
Y N N N N N N N F gas	R416A	kg	1084 ////////////////////////////////////	1084.000		
Y N N N N N N N F 5235	8417A 84178	kg	2346	2346.000		
Y N N N N N N N F 525	8417B 8417C	kg ka	1809	1809.000		
Y N N N N N N N F gas	R418A	kg	1741	1741.000		
Y N N N N N Fg25 Y N N N N N N Fg25	R419A R419B	kg	2967	2967.000		
Y N N N N N N N N F gas	8419B 8420A	ka	1536	2384.000		
Y N N N N N N N Fg25	R421A	kg	2631	2631.000		
Y N N N N N N N F 5,35 Y N N N N N N N N F 5,35	R421B	kg	3190	3190.000		
Y N N N N N N N N Fg25 Y N N N N N N N N Fg35	R422A R422B	kg kg	3143	3143.000		VIII VIIII VIIII VIIII VIIII VIIII VIIII
Y N N N N N N N N First	8422C	kg	3085	3085.000		YA YAA YAA YAA YAA YAA YAA
Y N N N N N N N Fg35	R422D	kg	2729	2729.000		
Y N N N N N Fg25 Y N N N N N N N Fg25	R422E R423A	kg kg	2592 2280	2592.000		nn nnn mn Ulli Ulli Ulli Villi Villi
Y N N N N N N N Fgas	8424A	kg	2440	2440.000		911, 9111, 9111, 9111, 9111, 9111, 9111,
Y N N N N N N N Fg25	R425A	kg	1505	1505.000		
Y N N N N N Fg35 Y N N N N N N Fg35	R426A R427A	kg ka	1508	1508.000		
Y N N N N N N N Fg25	R428A	kg	3607 ////////////////////////////////////	3607.000		YA YAA YAA YAA YAA YAA YAA YAA YAA
Y N N N N N N N Fg25	R429A	kg	14	14.000	The State of the State of the State	
Y N N N N N N N F 5,35	R430A R431A	kg kor	95	95.000		
Y N N N N N N N Fgas	R432A	kg	3a 2000	2.000		91h 911h 911h 911h 911h 911h 911h
Y N N N N N N N F 235	R433A	kg	3	3.000		
Y N N N N N N N Fgas	R433B R433C	kg		3.000		
A SW N N N N N N FEES	8433C 8434A	kg	3	3.000		nn vinn vinn vinn vinn vinn vinn
A N N N N N N N F G35	R435A	kg	26	26.000		917, 9117, 9117, 9117, 9117, 9117, 9117,
Y ON N N N N N F825	R436A R436B	kg ka		3.000		999, 9999, 9999, 9999, 9999, 9999, 9999, 999, 9999, 9999, 9999, 9999, 9999, 9999,
N N N N N N F F Y N N N N N N N N F F N	8436B 8437A	ka ka	1805	3.000		
Y N N N N N N Fg35	R438A	kg	2265	2265.000		
Y N N N N N N F gas	8439A	kg	1983	1983.000		
Y N N N N N N N N F gas	8440A 8441A	ka	144	144.000		
N N N N N N N Fgas Y N N N N N N Fgas Y N N N N N Fgas Y N N N N Fgas	8442A	kg	1888	1888.000		HA HIMA HIMA HIMA HIMA HIMA
Y N N N N N N N N F 5,35	R443A R444A	kg	2	2.000		
Y N N N N N N N Fg25 Y N N N N N Fg25	8444A 8445A	ka	38 130	88.000		ann annn anns VIIIN VIIIN VIIIN VIIIN
Y N N N N N ZN N N Feas	R500	loz	8077 ///////////////////////////////////	8077.000		
Y N N N N N N N N Fgas	R501 R502	kg	4083 4577	4083.000		
Y N N N N N N N Faas	R502 R503	kg kg	4657	4657.000		
Y N N N N N N N Fg25	R504	kg	4143 ///////////////////////////////////	4143.000		91h 911h 91h 91h 91h 91h 91h
Y N N N N N N N Fg35	R505	kaz	8502	8502.000	The second s	
Y N N N N N N N Fg25	R506	kg	4490 ///////////////////////////////////	4490.000	y - Milling Alling Allin A	ANN ANNN ANNN ANNN ANNN ANNN

Y N N N N N N N Fras	85074	ka	
Y N N N N N N N N Feas	0500.4		
Y N N N N N N N N F235	R5088	Ag.	
		kg	
Y N N N N N N Fg35	R509A	kg	5741
Y N N N N N N N Fgas	R510A	kg	
Y N N N N N N N F 235	R511A	ka	
Y N N N N N N N Faas	8512A		
	CFC-11/R11 =	Ag.	
Y N N N N N N N Fras		ka	4750.000
	trichlorofluoromethane		
V N N N N N N N Fras	CFC-12/R12 =	ka	1000
	dichlorodifluoromethane	~8	
Y N N N N N N N Fgas	CFC-13	kg	14400
Y N N N N N N N Fgas	CFC-113	ka	
Y N N N N N N N Faas	0FC-114		
Y N N N N N N N N F235	0FC-115	Ag.	
		KQ.	
Y N N N N N N N Fgas	Halon-1211	kg	
Y N N N N N N N Feas	Halon-1301	ka	
Y N N N N N N N Fras	Halon-2402	ka	
Y N N N N N N N F 535	Carbon tetrachloride	10.	100
		kg	
Y N N N N N N N F gas	Methyl bromide	kg	
Y N N N N N N N Fgas	Methyl chloroform	kg	146
	HCFC-22/822 =		
T N N N N N N F gas	chlorodifluoromethane	kg	1510 3319.000
Y N N N N N N N N F 535	HCFC-123	ket.	
Y N N N N N N N F325	HCFC-123 HCFC-124	A.K.	
		kg	
Y N N N N N N Fg35	HCFC-141b	kg	
Y N N N N N N N Fgas	HCFC-142b	kg	
Y N N N N N N N N Fax	HCFC-225ca	ka	
Y N N N N N N N F 535	HCFC-225cb	5.0 C	55.00
		KQ.	
Y N N N N N N Fg35	HCFC-21	kg	
Y N N N N N N N Fgas	HFE-125	kg	
Y N N N N N N N Fgas	HEE-134	kg	
Y N N N N N N N N F 535	HEE-143a		756 756.00
		62	
Y N N N N N N N Fg25	HCFE-235da2	kg	
Y N N N N N N N Fgas	HFE-245cb2	kg	
Y N N N N N N N Feas	HFE-245fa2	ka	
Y N N N N N N N Fras	HEE-254cb2	ka	
Y N N N N N N N N F 535	HEE-347mcc3		575
		KQ.	
Y N N N N N N Fg35	HFE-347pcf2	kg	
Y N N N N N N N Fgas	HFE-356pcc3	kg	
Y N N N N N N N F 235	HFE-449sl (HFE-7100)	kg	201
Y N N N N N N N Fras	HEE-569sf2 (HEE-7200)	ka	
	HEE-43-100ccc124 (H-	44.	
Y N N N N N N N Fras		ka	1570
	Galden1040x1		
Y N N N N N N N F gas	HFE-236ca12 (HG-10)	kg	
Y N N N N N N N Fgas	HFE-338pcc13 (HG-01)	kg	1500
	Trifluoromethyl sulphur		
T N N N N N N F gas	pentalluoride	kg	1770 1770 1770 1770 1770 1770 1770 1770
Y N N N N N N N N Frax	PEPMIE	ker	
Y N N N N N N N N F235	Dimethylether	NR.	
		кg	
Y N N N N N N N Fg25	Methylene chloride	kg	
Y N N N N N N Fg35	Methyl chloride	kg	
Y N N N N N N N Fras	R290 = propane	ka	
Y N N N N N N N F 535	R500A = isobutane	ket.	
Y N N N N N N N N F235		rel.	
	R500 - butane	kg	4
Y N N N N N N N Fg25	R501 = pentane	kg	5
Y N N N N N N N Fgas	R501A = isopentane	kg	
Y N N N N N N N Fast	R170 = ethane	ka	
Y N N N N N N N N F235	R1270 = enane R1270 = propene	NR.	
I N N N N N F (25	R1270 = propend	10	
Y N N N N N N N FERS	R1234vf	kg	1 100
			A CARP factor is less than 1 ig COR
Y N N N N N N N N N N N	R1234ze	ka	1 Loop
rga		~8	With a construction of the
Y N N N N N N N Anaesthetic gar	s Nitrous oxide	kg	298
Y N N N N N N N Anaesthetic ga	s Isoflurane	kg	491.00 491.00
Y N N N N N N N Anaesthetic gas	s Desflurane	kg	1790 1796 and 1796 and 1897 and
Y N N N N N N N Anaesthetic ga	s Sevoflurane	kg	216 215.000
		,	



Land use emission factors

			Previous landuse					
	Current land use	Soil type	Forest land	Cropland	Grassland	Wetlands	Settlements	Other land
Y	Forest land	Mineral	-5.42	-0.95	-0.62	No emission factor available	-0.65	No emission factor available
Y	Forest land	Organic	-7.27	0.32	0.82	No emission factor available	0.71	No emission factor available
Y	Cropland	Mineral	11.04	1.08	4.52	No emission factor available	-3.85	No emission factor available
Y	Cropland	Organic	No emission factor available	18.34	-0.25	No emission factor available	-0.27	No emission factor available
Y	Grassland	Mineral	11.91	-1.89	-1.44	No emission factor available	-6.72	No emission factor available
Y	Grassland	Organic	6.96	0.28	0.02	No emission factor available	-0.15	No emission factor available
Y	Wetlands	Mineral	No emission factor available					
Y	Wetlands	Organic	No emission factor available					
Y	Settlements	Mineral	39.40	7.48	13.50	No emission factor available	2.10	No emission factor available
Y	Settlements	Organic	15.94	0.43	0.12	No emission factor available	No emission factor available	No emission factor available
Y	Other land	Mineral	No emission factor available					
Y	Other land	Organic	No emission factor available					



Benchmarking data This sheet contains the following tables: Energy use in building benchmarks Water use and waste benchmarks Commuting benchmarks Public transport (Epassenger km benchmarks Waste density factors

y use in hubbling bacehands surce of hubbling energy banchmarks is the Chartment institution of hubbling Services (CBIST) Energy Banchmarking tool. Organizations are free to use alternative sources of small water services and activation of hubbling Services (CBIST) Energy Banchmarking tool. Organizations are free to use alternative sources of small encoded and to the hubble. When scale and provide discharking a

	Description	Fossil-thermal typical benchmark (kWh/m2)	Electricity typical benchmark (kWh/m2)
		(KWH(M2)	
Local authority buildings	Town Hall	132	8
Local authority buildings	Community Centres	139	4
local authority buildings	Residential care homes	319	8
local authority buildings	Depots	311	3
Local authority buildings	Sheltered housing	432	6
Public buildings	Library	117	7
Public buildings	Museum	121	5
Public buildings	Fire station	223	6
Public buildings	Police station	190	13
Offices	Local Government office	108	8
Offices	Air conditioned, standard	178	22
Schools	Primary	122	4
Schools	Secondary	113	5
Schools	Special	157	5
šchools	Secondary, with swimming pool	187	3
Hospital	General Acute	303	11
Hospital	Teaching/specialist	267	13
Hospital	Cottage hospital	492	7
Education (Higher)	Catering / bar	118	10
Education (Higher)	Lecture room/conference facility	150	9
Education (Higher)	Library or learning centre	112	10
Sports and recreation	Swimming pool	644	19
Sports and recreation	Combined centre	598	15
Sports and recreation	Dry sports centre (local)	343	1

Waste density table

Where you coparation is a information on the estimated volume of waste collected rather than the weight, the following density factors can be an extension of the strength of the strength of the following density factors are been as a strength of the following density factors are been there are not constrained to this wave in each endpoint by the following density factors are been density and the density of the strength of the

Waste type	EWC code	Waste Description	Density conversion factor (kg per litre)
Aggregates	17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	0.66
Anatomical waste	18 01 02	Body parts and organs including blood bags and blood preserves (except 18 01 03)	0.2877
Asbestos	17 06 01*	insulation materials containing asbestos	0.28
Asphalt	17 03 02	bituminous mixtures other than those mentioned in 17 03 01	0.9
Average construction	17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	0.32
Batteries	20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	135
Bricks	17 01 02	bricks	0.66
Clinical waste	18 01 03*	wastes whose collection and disposal is subject to special requirements in order to prevent infection	0.225
Clothing	20 01 10	clothes	0.2
Commercial and industrial waste	20 03 01	mixed municipal waste	0.26
Concrete	170101	concrete	0.93
Household residual waste	20 03 01	mixed municipal waste	0.26
Infectious waste	18 01 03*	wastes whose collection and disposal is subject to special requirements in order to prevent infection	0.225
Insulation	17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	0.25
Medical contaminated sharps waste	18 01 01	sharps (except 18 01 03)	0.19
Medicinal waste	20 01 32	medicines other than those mentioned in 20 01 31	0.9
Metals	17 04 07	mixed metals	0.23
Mineral oil	13 03 10*	other insulating and heat transmission oils	0.9
Mixed glass	20 01 02	glass	0.3331
Mixed metal cans	20 01 40	metals	0.23
Mixed paper	20 01 01	paper and cardboard	0.2105
Mixed plastics	20 01 39	plastics	0.14
Mixed recycling Mixed WEEE	20 03 01 20 01 36	mixed municipal waste discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	0.26
Non infectious offensive waste	18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection(for example dressings, plaster casts, linen, disposable clothing, clapers)	0.21
Organic food and drink	20 01 08	biodegradable kitchen and canteen wäite	0.2
Oreanic earden	20 02 01	biodegradable waste	0.38
Organic mixed	20 02 01	biodegradable waste	0.38
Plasterboard	19 12 07	wood other than that mentioned in 19 12 06	0.24
Waste Soils	20 02 02	soil and stones	0.86
Fyres	16 01 03	end-of-life tyres	0.4657
Wood	20 01 38	wood other than that mentioned in 20 01.37	0.1855



water use and waste benchmarks the source of building water benchmarks is a publication by the Better Buildings Partnership (2017 Beal Estate Environmental Benchmarks: January 2018). Organizations are free to use alterrative sources of benchmark water data but any data sources should be carefully documented, along with rationale for selection.



Waste & Resources Action Programme) Gree and Environmentally Sustainable Office . Good practice benchmark (quantity per person per year)

less than 200kg

Public transport £/passenger km benchmarks Where only data on total cost by travel models available, and in the absence of any more accurate local estimates, the following estimates of £/passenger km can be used to estimate kilometres traveled from seend.

	E/passenger km		Source
Rail		0.153	Table 12.10 Revenue per passenger kilometre and revenue per passenge journey. Office of Rail and Road. UK Government
Bus		0.13	WPC estimation from Department for Transport and National Statistic – Table BUS0304. https://www.gov.uk/government/st tistical-data-sets/buse-statistical- tables-index
Taxi		£1.90	https://www.walesonline.co.uk/ne s/wales-news/dragon-taxis-cardiff- cost-fares-17767633
Air			http://www.webflyer.com/trave mileage_calculator/ Calculate distance travelled for each of the journeys taken. Option to choose top ten frequent trips in choose top ten frequent trips to to apply to remainder.

Commuting benchmarks The average commuting distance in Walks average is 9.5 miles/ 15.3 km and the modal split is shown in the table below. Data source: The Car and the Commute: The journey to work in England and Wales' report by the RAC Foundation

	% split	Source
Car	64%	
Car passenger	6.60%	
Taol/ mini cab	0.40%	
Walking	9.50%	
Moped/ Motorbike	0.60%	https://www.racfoundation.org/assets/rac_fo undation/content/downloadables/car-and-the
Bus	4.50%	commute-web-version.pdf
Rail	1.90%	
Cycling	1.40%	
Work from home	10.40%	
Other	0.50%	

Report Title:	NWSSP Decarboni Reporting	sation Co-ordinatio	n	Agenda Item no.	2.4c	
	Finance and	Public	Х	Meeting		
Meeting:	Performance	Private		Date:	20/09/2023	
	Committee			Bato.		
Status (please tick one only):	Assurance	Approval	Х	Information		
Lead Executive:	Abigail Harris, Exec	utive Director for S	trateg	ic Planning		
Report Author (Title):	Calum Shaw, Envir	onmental Sustainal	oility F	Project/Planning	Manager	
Main Report						

Main Report

Background and current situation:

The purpose of this paper is to update the Finance and Performance Committee on the NHS Wales Decarbonisation Strategic Delivery Plan of 2021 reporting requirement (NWSSP Q1 DCR reporting).

Upon its release in 2021, CVUHB recognised that the Strategic Delivery Plan would not deliver nor fund a roadmap to a 16% saving of carbon emissions. CVUHB decided to produce its own plans to go further, resulting in CVUHB's own Decarbonisation Action Plan.

The summer of 23/24 is the first time since the DCR's release in 2021 that formal reporting has been requested.

CVUHB have used reasonable endeavours to deliver against the Strategic Delivery Plan which is mainly focussed on estates improvement with respect to carbon, but it has inevitably clashed with the operational realities of scarce funding and patient facing priorities.

NWSSP - Decarbonisation Co-ordination Reporting (DCR)

In 2022/23, the Minister for Health and Social Services agreed recurrent funding for NWSSP to expand their work supporting the decarbonisation agenda. This funding supported:-

- additional resource in Specialist Estates Services and Procurement
- set up of a programme management team to 'provide leadership, oversight, coordination, monitoring and reporting on an NHS Wales basis'.

As a consequence, reporting is required from UHBs to NWSSP on progress against the Strategic Delivery Plan (SDP) at four points a year.

Report	Deadline for Submission to DCR
Q1 reporting	31/8/2023
Q2 reporting	31/10/2023 (this is to align to the standard recognised quarterly reporting cycle)
Q3 reporting	31/1/2024
Q4 reporting	30/4/2024

The report has been coordinated by the Sustainability team with returns generated by the lead representative from each department. All returns have been approved by the relevant Directors.

The full DCR report can be found at Doc 6.

This report asks the Finance and Performance Committee to:

• Note the content of this paper

Executive Director Opinion and Key Issues to bring to the attention of the group:

The action plan was written over two years ago when the financial outlook was different. For example, it stated that, "increased revenue costs will not be a barrier to the optimal low carbon option." This is not a tenable position for CVUHB in 2023.

Reasonable endeavors have been used to progress the actions. Colleagues have drawn down on WG funding in order to make progress in our report response however, a number of issues have been raised to illustrate the tension between the action plan and the operational and financial situation. The three main issues relate to:

- The ask to plan UHW and UHL to receive energy efficiency upgrades by 2030. It has been stated that the
 upgrades for UHW and UHL would be significant following work commissioned by Estates in 2022 with Gleeds –
 akin to a full refurbishment. The scale of the work should be considered as part of the SOFH SOC options –
 refurbish or replace, etc. This is held up as CVUHB awaits WG funding to proceed.
- The need to undertake feasibility studies on non acute infrastructure over 1,000sq/m. Whilst some investment grade proposals are being prepared for four sites, Barry Hospital was not deemed cost effective and therefore cannot be taken forward in the current climate. Also, it is not good use of scarce funds to conduct engineering studies on every site whilst service priorities remain.
- The need for combined heat & power plants should be decommissioned as a higher priority over refurbishment by 2025. In the event of a failure at the CHP in UHW for example, there currently are no other viable alternatives to meet the specialist needs of this site.

Overall, the actions contained in the report are generally making progress within the bounds of the issues mentioned already in this paper. A summary of progress is below.

	2021	2022	2023	2024	2025	2030	Ongoing
Green	2	10	4	1		1	10
Amber	2	5	9	3		1	6
Red		1	1			1	2
Complete		2					1

Several of the actions are awaiting national policy/ leadership which has not met the deadlines in the plan. These has been raised as issues.

A new NWSSP SDP is due for no later than 2025, however, it is understood that there could be "refresh" of the current plan prior to this. At the WG 'Climate Emergency Community of Experts' meeting on 5/9, CVUHB put forward the suggestion that the plan is now out of date and not relevant to the current climate, thus requiring refreshing sooner.

The information contained in the report has been approved by the Directors of the contributors, namely Geoff Walsh, David Thomas and Ed Hunt (in the absence of Abi Harris). As highlighted, there will be an additional two rounds of reporting against these actions over the next 4 months.

The Finance and Performance Committee are asked to note the content of this document.

Recommendation:

Decarbonisation Finance and Performance Committee are asked to:

• Note content of this report

	k to Strategic Objectives of Shaping οι ase tick as relevant	ır Future	We	llbeing:	
1.	Reduce health inequalities	x	6.	Have a planned care system where demand and capacity are in balance	
2.	Deliver outcomes that matter to people	x	7.	Be a great place to work and learn	
3.	All take responsibility for improving our health and wellbeing	X	8.	Work better together with partners to deliver care and support across care sectors, making best use of our people and technology	
4.	Offer services that deliver the population health our citizens are entitled to expect		9.	Reduce harm, waste and variation sustainably making best use of the resources available to us	x

5. Have an ur care syster care, in the	e right		10.	inn pro	cel at teaching, r ovation and imp vide an environr ovation thrives	rover	ment and	x				
Five Ways of Working (Sustainable Development Principles) considered <i>Please tick as relevant</i>												
Prevention	evention x Long x Integration							Collaboration	x	Involvem	ient	
Impact Assess			togor	lf voo n		ida fu	uthor	dataila				
Please state yes or no for each category. If yes please provide further details. Risk: No												
Safety: No												
Financial: No												
Workforce: No												
Legal: No												
Reputational: Y	es											
		reputation	nal ris	k to the o	rganisatio	on if r	repor	ting is not comple	eted s	ufficiently a	and on time.	
Socio Economi	c: No	0										
Equality and Health: No												
Decarbonisatio	n: Y	es										
This reporting med	chani	sm is direc	tly link	ed to the i	required a	ctions	s to m	eet the decarbonis	ation	agenda.		



Introduction and Organisation Data

This spreadsheet is the required format for NHS Wales organisations reporting quarterly against their designated decarbonisation initiatives being delivered through their Decarbonisation Action Plans.

Data from this report will be shared at the Health and Social Care Climate Emergency Project and Programme Boards.

The template requires each organisation to complete the following: •Organisational Information (below)

• Thitiatives attributed to your organisation to complete will be light blue cells. Yellow cells are for information. Grey cells should not be edited. (See example data below)

• Initiatives are incorrectly attributed / not attributed to your organisation, please contact nwssp.dcr_team@wales.nhs.uk to amend.

•Carbon Impact for each initiative is as stated in the Strategic Delivery Plan.

•Task percentage complete should be self-set by each organisation.

• Using the methodology below, both an individual task and overall initiative RAG rating should be self-set by each organisation.

See NHS Wales Decarbonisation Strategic Delivery Plan 2021 - 2030 for more information

Please send the completed form to nwssp.dcr_team@wales.nhs.uk by 31/8/2023

Organisational information

Organisation name	
Period for reporting	Q1 2023/2024
Date of Organisational Approval	
Date of report submission	
Person responsible for this report	
Email address of person responsible for this report	

Governance Reporting RAG

RAG Status RED Requires Urgent Action
The project/initiative requires grant corrective action to meet its objectives and the sums or deviations cannot be handled solely by the health
stakeholder/org manage. One or more aspects of the action/initiative has been impacted in either: Time/Schedule Cost/Budget Scope//Duality

Action Plan/ Exception Plan is needed to recover scheme if possible and provide corrective actions in the Decarbonisation Summary Report, The critical element is not the fact the status is RED, the focus should be on the required actions to achieve a pathway to AMBER or GREEN.

Action Plan/ Exception Plan is needed to recover scheme if possible and provide corrective actions in the Decarbonisation Summary Report. The critical element is not the fact the status is AMBER, the focus should be on the required actions to achieve a pathway to GREEN.

RAG Status AMBER Regulates Action - Milipate Risk' One or more aspects of an action/initiative vability is at potential files such as: Time/schedule Cost/Budget Scope/Quality A problem or issue has a negative effect on action/initiative delivery but can be dealt with by the stakeholder or organisation/manager.

RAG Status GREEN Requires No Remedial Action - "Carry on to Plan" The project is performing to plan, and all aspects of project/initiative viability are within tolerance and planned scales. No Action Need-Report as normal.

RAG Status BLUE Requires No Action – Item "Closs The project has been closed and either delivered or the relevant Project Board have agreed to close. All closure activity required as a result of the closure stage must be completed.

Methodology - RAG Status

	Confidence of Delivery		
Highly Likely	Successful delivery of the action/initiative to cost and quality appears highly likely and there are no major outstanding issues that at this stage appear to threaten delivery.	Scoring Available	Carbon Impact
Probable	Successful delivery appears probable. However, constant attention will be needed to ensure risks do not materialise into major issues threatening delivery.	9-10	Significant impact (>3% reduction in
Feasible	Successful delivery appears feasible but significant risks and issues already exist requiring management attention. These appear resolvable at this stage and, if addressed promptly.		footprint) High impact (0.5 -
In Doubt	Successful delivery of the action/initiative is in doubt with major risks or issues apparent in a number of key areas. Urgent action is needed to ensure these are addressed, and establish whether resolution is feasible.	7-8	3.0% footprint reduction)
Unfeasible	Successful delivery of the action/initiative appears to be unachievable. There are major issues which at this stage do not appear to be manageable or resolvable. The action/initiative may need rebaselining and/or overall viability reassessed.	4-6	Medium impact (up to 0.5% footprint reduction)
Complete	Successful delivery of initiative/action. There is no further input required.	2-3	Low impact
Default	The confidence of delivery has not been set by the organisation / default RAG.		
Exempt	The organisation is exempt from this action / initiative.	1	Negligible impact

Methodology - Delivery Confidence

e best practice approach for EV charging technology, procurement, and car park space planning this will include consideration of NHS Wales' own fleet, staff vehicles, and visitor EV charging. Carbon Impact 2/10

Actio	n Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG
17.1 Solu	NWSSP will facilitate the development of the best practice approach for electric vehicle (EV) uptake across NHS Wales sites	NWSSP	None	Director of SES	Director of SES	Director of SES	Red	Highly Likely		2021	75	Supplier awarded contract (MottMac) - Guidance final Draft expected end of June 23 - Final sign off target 7th September Red RAG due to date passed	
17.2	Hally, Boards and Trusts will engage with Will Style develop the best proactive approach or EV charging infrastructure	HB & Trusts	17.1	SES / Transport	National Clinical Logistics Manager	Director of Procurement & HCS	Red	Probable		2022	60	NWSSP has 21 chargers implemented to date Future requirements are being scoped Supplier awarded Feasibilty project and back up power being considered, 1st Draft received May 23	Red
17.3	Explore localise portunities for low carbon transport infrastructure as they arise (e.g. hydrogen) and implement if deemed feasible.	HB & Trusts		SES / Transport	National Clinical Logistics Manager	Director of Procurement & HCS	Green	Highly Likely		Ongoing	80	Currently reviewing Hydrogen / Hydrogen Cell / HVO options - ongoing Due to go to Tender Q2 for NWSSP replacement - 15 HGVs with alternative fuel options included	

Carbon Impact Scoring Matrix



Carbon Management

Guidance for users
This sheet contains all initiatives relating to Carbon Management. If initiatives are incorrectly attributed / not attributed to your organisation, please contact nwssp.dcr_team@wales.nhs.uk to amend.

Please see section 3 of the NHS Wales Decarbonisation Strategic Delivery Plan 2021 - 2030 for more information

Instructions for users

Instructions for users
Instructions for users
Instruction into the light blue cells. Light yellow cells are for information. Grey cells should not be edited. Where full Task information is not provided further explanatory text can be found in the Strategic
Delivery Plan.
RAG data entered in the 'RAG' column should be calculated using the guidance on the instruction page. An overall RAG initiative should be set, based upon the RAG for each key action.
Please use blue plonits in comments relating to an action

Initiative 1 - Implement best practice carbon management with dedicated roles in place to undertake Delivery Plan initiatives. Carbon Impact 1/10

	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments		Overall Delivery Confidence
1	.1	Support the review of EnCO2de HTM 07-02 to develop best practice guidance to support carbon management in Welsh Health Boards and Trusts. Distribute this guide to Health Boards and Trusts upon publication.	NWSSP					Exempt	Exempt		2022				
1	2	Put in place dedicated and appropriately skilled resource to deliver best practice carbon management – a key focus of the role will be to implement initiatives.	HB & Trusts		Programme Director Shaping Our Future Hospitals	Programme Director Shaping Our Future Hospitals	Executive Director of Strategic Planning	Blue	Complete		2022		Sustainability Manager has been in post since May 2022	Default	Default
1	3		NWSSP, HB & Trusts		Head of Energy and Performance	NWSSP	NWSSP	Green	Highly Likely		Ongoing	-	CVUHB participate when arranged.		

Initiative 2 - Proactively communicate the Climate Emergency to staff and the public with the aim of stimulating low carbon behaviours and growing engagement in the

decarbonisation agenda. Carbon Impact 1/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable		Delivery Confidence	Start	Implemented	% Complete		Initiative Overall RAG	Overall Delivery Confidence
2.1	Develop a staff engagement approach to communicate: • NHS Wales commitments to decarbonisation - Case studies of progress Undertake consultations to support and engage in projects and encourage best practice behaviour.	HB & Trusts		Sustainability Manager		Programme Director Shaping Our Future Hospitals	Green	Highly Likely		Ongoing / Annually		Progress has been made throughout the organisation to support the communication of case studies and actions. These are also communicated with staff via green groups and other networks to share knowledge.		
2.2	Provide building and energy managers with additional training in best practice use of BMS for carbon reduction (more details included in Existing Buildings section).	HB & Trusts		Estates manager		Director of Capital Estates and Facilities	Amber	Feasible		2022	-	This is on going as staff turnover requires additional training for new staff. The UHB has a contract with an external company that monitoris performance of the BMS to ensure sensors etc are working correctly.	Default	Default
2.3	Develop a targeted approach to encourage and facilitate low carbon staff travel	HB & Trusts		Head of Transport/ Consultant Public		Director or Capital Estates	Green	Feasible		Ongoing	-	Health Board on track to sign up to Level 2 Healthy Travel Charter at end Q2, providing framework for this. Implementation will		
2.4	Closely follow the guidance set out in the Active Travel Action Plan for Wales to ensure suitable considerations for active travel are factored into decision making	HB & Trusts					Exempt	Exempt		Ongoing		Managed by LAs		
2.5	Brief senior management staff of the key themes of decarbonisation to ensure low carbon principles are integrated into decision making at all levels.	HB & Trusts		Manager	Programme Director Shaping Our Future Hospitals	Executive Director of Strategic Planning	Green	Highly Likely		Mar 2022		action plans. A governace structure has been established for the decarbonisation programme. A plan is in place with the aim of integration into decision making		

Initiative 3 - Drive the engagement required for decarbonisation across each organisation's leadership team – Finance, Procurement, Estates, and Capital Project teams will engage to develop a focussed and active approach to project implementation. Carbon Impact 2/10

	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative	Overall Delivery Confidence
3		Consider implementation models such as Energy Performance Contracts.	HB & Trusts				Director of Capital Estates and Facilities	Amber	Unfeasible		Ongoing	-	Unfeasible to co-ordinate and delivery in relation to existing estate. Issue CVUHB3 raised.		
3	2	Engage with technical and commercial support available such as the Welsh Government Energy Service.	HB & Trusts				Director of Capital Estates and Facilities	Green	Highly Likely		Ongoing	-	Regularly engage on projects in relation to technical support around operational useage of buildings.		
3	3	Build engagement and responsibility for decarbonisation across the organisations from the top down – actively engage across finance, procurement and estates teams.	HB & Trusts				Executive Director of Strategic Planning	Green	Highly Likely		Ongoing		Groups have been established, which include decision makers in the programme. The Decarbonisation Plan has set out the responsible managers for each of the actions. These actions and delivery leads are scrutised through the governnce programme.	Default	Default

Buildings, Estates & Planning

Guidance for users This sheet contains all inklatives relating to Buildings, Estates & Planning. If initiatives are incorrectly attributed / not attributed to your organisation, please contact nwssp.dcr_team@wales.nbs.uk to amend.

Please see section 3 of the NHS Wales Decarbonisation Strategic Delivery Plan 2021 - 2030 for more information

Instructions for users

• Input information into the light blue cells. Light yellow cells are for information. Grey cells should not be edited. Where full Task information is not provided further explanatory text can be found in the Strategic Delivery Plan.
• RAG data entered in the RAG column should be calculated using the guidance on the instruction page. An overall RAG initiative should be set, based upon the RAG for each key action.
• Plase use builte points in comments relating to an action

Initiative 4 - Progress a transformational energy and water efficiency retrofit programme across the estate – every building with a long-term future will have undergone a multi-technology energy-efficient upgrade by 2030. Carbon Impact 5/10

Actio	n Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG2	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
4.1	Commission specialist energy and carbon audits every two years to evaluate the opportunities for carbon reduction and water savings at each site to inform decarbonisation 'Action Plans' as appropriate.	HB & Trusts	WG/UHB Funding. UHB resources. UHB and WG approval.	nead or Energy	Head of Compliance and Discretionay Capital	Director of Capital Estates and Facilities	Amber	In Doubt		2021		Refit program adopted with IGP's developed for opportunities at key sites. Program will be		
4.2	Buildings should be operated as efficiently as possible	HB & Trusts	WG/UHB Funding. UHB resources. UHB and	Head of Energy	Head of Compliance and Discretionary Conital	Capital Estates	Amber	Feasible		2022	75	Main sites have BMS controls for all main plant and equipment. Community sites have less BMS coverage but do have less	t Default	Default
4.3	Ensure 'Action Plans' demonstrate estate-wide impact such that every building with an expected future towards 2030 will have undergone a multi-technology energy-efficient upgrade by 2030.	HB & Trusts	WG/UHB Funding. UHB resources. UHB and WG approval.	Head of Energy	Head of Compliance and Discretionay Capital	Director of Capital Estates and Facilities	Amber	In Doubt		2030	-	See comment in 4.1		

Initiative 5 - Fully replace all existing lighting with LED lighting by 2025. Carbon Impact 4/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Delivery Confidence
5.1	Develop a lighting upgrade approach for each site, considering whether like-for-like replacement will be sufficient or if a new design is required	HB & Trusts	WG/UHB Funding. UHB resources. UHB and WG approval.	Head of Energy	Discretionay Capital		Amber	Feasible		2022	70	program at key sites. Cannot reach 100% as some lighting specifications aren't suitable for LED. Blace 2 DELE halos duraleaded which		Default
5.2	Procure and implement LED upgrades across the estate by 2025	HB & Trusts	resources. UHB and			Capital Estates	Amber	Feasible		2025	70	LED replacement is in progress. See above comment.		

Initiative 6 - Complete expert heat studies by the end of 2023 for all acute hospitals to set the plan to transition away from fossil fuel heat sources. Carbon Impact 8/10

,	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
6.:	1	Commission low carbon heat specialists to develop a low carbon heat evolution plan at each acute site to set out a transition plan away from fossil fuelled heat toward low carbon heat	nb & trusts	WG approval.	and Performance	Discretionay Capital		Red	Unfeasible		2023		Low Carbon Heat study for Llandough Hospita is part of next Phase of Refit program which is dependent on funding and resource availability. See also explanation for 4.1 above and Issue CVUHB1.		Default
6.3	2	Implement upgrades to ensure that 60% of generated heat at acute sites is low carbon by 2030.	HB & Trusts	resources. UHB and	Head of Energy and Performance	Compliance and	Capital Estates	Red	Unfeasible		2030	-	See explanation for 4.1 above and issue		

Initiative 7 - Progress low carbon heat generation for all non-acute sites larger than 1,000m2 by 2030. Carbon Impact 5/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
.1	Commission low carbon heat specialists to evaluate the potential to convert non-acute sites to low carbon heat by 2030, including heat generation, heat distribution, heat emitters, and building fabric upgrades.	HB & Trusts	WG/UHB Funding. UHB resources. UHB and WG approval.	Head of Energy	Head of Compliance and Discretionay Capital	Director of Capital Estates and Facilities	Red	Unfeasible		2022	-	Low orders had adeasment use being doubled for contact community tests in the next Phase of Beff program. It would not have been good use of scarce money to tell us the status of every building in 2022 when the target is to implement by 2030. Issue Raised as CWIHS2. Indeed we did run a study Raised as CWIHS2. Indeed we did run a study of the study of the study of the result of the study of the study of the contact of the study of the study of the study of the study of the study of the study of the study to accound be justified. National Grid are becoming concerned generally about the splits to accound be the study of the about to accound be the study of the st	Default	Default
.2	Implement changes to target a shift to full low carbon heating by 2030. Aim to have converted 50% of heat to low carbon heat by 2026.	HB & Trusts	WG/UHB Funding. UHB resources. UHB and WG approval.	nead or Energy	Concellance and	Director of Capital Estates and Facilities	Amber	In Doubt		2026/2030		We believe not all of our building will see payback and in the current climate we focus on utalising funds on those that will provide benefit		

Initiative 8 - No further natural gas CHP plant will be installed – renewable CHP will be championed instead. For existing CHP plant, decommissioning will be prioritised over investment in major refurbishment of failed CHP from 2025, with the ambition for all CHP to be decommissioned by 2030. Carbon Impact 6/10

,	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
8.	.1	Continue to certify all CHP plant to the CHPQA programme to ensure efficient operation. Health Board will also report CHPQA compliance information and CHP maintenance spend through EFPMS when inputs developed.	HB & Trusts	WG/UHB Funding. UHB resources. UHB and WG approval.	Head of Energy and Performance		Director of Capital Estates and Facilities	Blue	Complete		Ongoing	100			
8.		Increase CHP metric reporting on EFPMS to track CHPQA compliance and maintenance spend – this will be developed to understand compliance with this initiative.	NWSSP					Exempt	Exempt		2021	-			
8.		No new natural gas CHP units will be considered going forward. For the existing known schemes, these will be subject to an options appraisal.	HB & Trusts	Revenue Funding, operational needs/risks and UHB approval.	Head of Energy and Performance			Amber	In Doubt		2021	-	Whilst there is an aspiration of no new gas CHP there may be no/limited feasible alternative solution for large acute sites with high volume specialist energy demands. See Issue 4	Default	Default
8	0	Decommissioning will be prioritised over refurbishment from 2025. Normal standard maintenance will continue; however, in the event of a CHP unit failing (for instance, engine replacement) decommissioning should be prioritised.	HB & Trusts		Head of Energy and Performance			Amber	In Doubt		2022	-	In the event of CHP failure at UHW, a replacement will need to be considered to support the operational aspects of the site and the revenue cost savings that the CHP generates. See Issue 4.		
8.	500°	An ambition will be to decommission all CHPs by 2030 to support the transition away from fossil fuelled metring. For some installations, it is recognised that this 2030 ambition may need to be in with timescales and the built include and an	HB & Trusts		Head of Energy and Performance			Amber	Feasible		2030		See above notes		

Initiative 5 fike an active approach to efficient control of energy in our buildings. All buildings will have up-to-date, standardised, and effective building management systems (BMS). Dedicated resource to optimise the use docenergy by BMS control will be put in place by 2023. Carbon Impact 3/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete		Initiative Overall RAG	Overall Delivery Confidence
9.1	Install effective building ganagement systems (BMS) across the building portfolio, allowing members of estates staff to optimis energy consumption in heating, cooling and ventilation (HVAC) systems. At smaller sites, a simple proformable intelligent heating control with rende access will suffice.			Head of Energy and Performance	Head of Compliance and Discretionay Capital	Director of Capital Estates and Facilities	Amber	Probable		2024		Whilst UHB has BMS systems they need to be updated including associated infrastructure.		
9.2	Develop standard operating procedures to optimise the efficient operation of buildings, this will include set schedules for time-clocks / operating setpoint / alarms.	HB & Trusts		nead or Energy	Head of Compliance and Discretionay Canital	Director of Capital Estates and Facilities	Green	Highly Likely		2022	80		Default	Default

9.3	Ensure trained resource is in place to optimise energy use by BMS control. Ensure a process is put in place to regularly manage and optimise BMS controls.	HB & Trusts	WG/UHB Funding. UHB resources. UHB and WG approval.	Head of Energy and Performance	Head of Compliance and Discretionay Capital	Director of Capital Estates and Facilities	Amber	Probable		2023		Recruitment and retention of trained skilled individuals for operation of services is a challenge.		
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Initiative 10 - Determine the overall viable potential for onsite renewable energy generation at each NHS organisation by 2023. Install half of this potential by 2026, and the remainder by 2030. Carbon Impact 6/10

	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
1	J. 1	Conduct feasibility studies to establish the viability of onsite generation such as solar PV and solar thermal collectors (either roof-mounted or car port mounted) at each site.	HB & Trusts			Head of Compliance and Discretionary Capital	Director of Capital Estates and Escilities	Green	Probable		2023		Solar PV opportunity studies undertaken via Refit program at key sites.		
1).2	Proceed with renewable energy installation in all viable instances. 50% of identified viable potential to be installed by 2026. 100% of identified viable potential to be installed by 2030.	HB & Trusts	WG/UHB Funding. UHB resources. UHB and	Head of Energy and Performance	Head of Compliance and Discretionary Conital	Director of Capital Estates	Green	Probable		2026/2030	50	Installation of identified solar PV opportunities via Refit program in progress. Potential next Phase of Defit could be subject to funding.	Default	Default
1	0.3	Develop a strategy to ensure existing renewable energy systems remain well maintained (e.g. periodic cleaning schedule, schedule of consumable part replacement (e.g. inverters) in line with expected lifespans).	HB & Trusts		nead or Energy	Head of Compliance and Discretionay Capital	Director of Capital Estates and Facilities	Amber	Probable		2023		In progress (maintenance contract) dependent on costs and funding.		

Initiative 11 - Develop and build low carbon buildings to net zero standard – engage and collaborate with NHS partners across the UK on the emerging net zero building standard for hospitals, and adopt a net zero building accreditation approach which will be defined by 2022. Carbon Impact 5/10

•	ction	Task	Task Lead	Dependencies			Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
11		Continue in the short-term to ensure that all new buildings achieve a BREEAM 'Excellent' score and all refurbishments achieve a BREEAM 'Very Good' score.	HB & Trusts	WG/UHB Funding. UHB resources. UHB and WG annroval	Project	Planning	Director of Capital Estates and Facilities	Green	Highly Likely		Ongoing	80	Schemes are only funded with proviso of meeting this accreditation		
11		All NHS organisations will adopt the agreed net zero approach for all new building designs and ensure new builds are certified to net zero	IID & IIUSCS	WG/UHB Funding. UHB resources. UHB and WG approval.	Capital Planning Project managers	Head of Capital Planning	Director of Capital Estates and Facilities	Amber	Feasible		Ongoing	50	Subject to budgetary pressures of individual. projects	Default	Default
11	.3	A net zero building standard framework for hospitals is being developed, and NWSSP should continue to engage with NHS partners and other organisations to support its development. Through these engagements NWSSP should stay sighted on updates to Health Building Notes / Health Technical Memorandum.	NWSSP					Exempt	Exempt		Ongoing	-			

Initiative 12 - All project teams to have an independent client-side sustainability representative to provide due diligence support for the optimal low carbon design across all development stages – and be responsible for ensuring the Net Zero Framework process is followed. Carbon Impact 2/10

,	lction	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
12	.1	Ensure that each new build project has in place a suitably qualified client-side sustainability representative	HB & Trusts	Resource provision dependent on workload	Head of Energy and Performance	Compliance and	Capital Estates	Amber	Probable		2024		workload of internal expertise could limit		
12		In support of larger capitals projects, consideration should be given to whether a client-side sustainability representative job role is included as a specific lot in the 2024 capital construction framework.	NWSSP					Exempt	Exempt		Jan 2024	-		Default	Default

Initiative 13 - Integrate Modern Methods of Construction (MMC) into the design and construction of new buildings - this will consider modular design, offsite fabrication, and just-in-time delivery to minimise construction-related carbon emissions. Carbon Impact 2/10

	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
1	3.1	Consider the use of modular designs to standardise the construction approach and therefore minimise construction waste and transportation of construction machinery. This will be championed alongside designs incorporating efficient low carbon heat and a modern heathcare approach.	IID & IIUSLS	WG/UHB Funding. UHB resources. UHB and WG approval.	Capital Planning Project managers	Head of Capital Planning	Director of Capital Estates and Facilities	Green	Probable		2022	-	Assessment required of viability of proposals against space and design requirements to determine if MMC could be incorpotated	Default	Default

Initiative 14 - Install electric vehicle charging points in new developments beyond minimum requirements, and future-proof new car parks by installing infrastructure to enable straightforward installation of future charging points include 1/10.

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete		Initiative Overall RAG	Overall Delivery Confidence
14.1	Health Boards and Trusts will undertake an activity to establish the Authorised Service Capacity (kVA) required at each new build and major refurbishment site to service additional capacity requirements for electric vehicle (EV) charging infrastructure (including staff, public and fleet vehicles)	HB & Trusts		Head of Capital Planning	Head of Capital Planning	Director of Capital Estates and Facilities	Green	Feasible		2021	-	Subject to funding.		
14.2	In new car parks, install underground cabling infrastructure (e.g. trunking) to enable straightforward installation of cabling for future charging points.	HB & Trusts		Head of Transport	Head of Transport	Director of Capital Estates and Facilities	Exempt	Exempt		2022	-	No new car parks planned	Default	Default
14.3	Install a sufficient electric vehicle charging infrastructure as set out in the Transportation section of this report. Enough infrastructure must be in place to ensure charging is not a barrier to the procurement of electric filet vehicles.	HB & Trusts		Head of Transport	Head of Transport	Director of Capital Estates and Facilities	Exempt	Exempt		2022		No new car parks planned. EV charging infrastructure for fleet being installed in line with fleet replacement	Delaur	Derauk
14.4	Ensure sufficient rapid charging infrastructure is in place to ensure charging infrastructure is not a barrier to the procurement of electric emergency ambulances when they become commercially available (expected in 2028)	HB & Trusts		Head of Transport	Head of Transport	Director of Capital Estates and Facilities	Exempt	Exempt		2027/28		No new car parks planned. On-going assessment & development to be undertaken		

Initiative 15 - Prioritise low carbon heating solutions as a key design principle. No fossil fuel combustion systems are to be installed as the primary heat source for new developments. Carbon Impact 3/10

	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
1	5.1	Ensure all new or refurbished sites utilize low temperature heating systems with variable flow temperatures and a low carbon heat source. No new natural gas, oil or LPG boilers will be installed as a primary heat source going forward beyond those which are currently planned - fossil fuels may only be	HB & Trusts	WG/UHB Funding. UHB resources. UHB and WG approval.	Capital Planning Project managers		Director of Capital Estates and Facilities	Amber	Feasible		2021		Although low/zero carbon technoloiges will be considered the energy and operational needs of the site will also be considered.		Default

Initiative 16 - Incorporate the principles of sustainable transportation into the design of new sites (in addition to electric vehicle infrastructure) in line with the Welsh Government's Active Travel Action Plan for Wales.

ware	es. Carbon Impact 4/10.													
Actio	on Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
1 Ser	Ensure that newly constructed sites sufficiently consider and incorporate sustainable transport, such as good public transport links, secure cycle storage, and changing facilities.	HB & Trusts			Head of Capital Planning	Director of Capital Estates and Facilities	Green	Highly Likely		2022	-			
16.2	changing facilities to encourage active travel.	HB & Trusts		Head of	Head of Compliance and Discretionay Capital		Green	Highly Likely		2022	-	Cycle shelters/storage available at all UHB hospital sites. New active traveller facilities (cycle storage, changing, showers) provided at UHW	Default	Default
16.3	Strategical the location of new sites to reduce private vehicle commuting requirements where	HB & Trusts			Head of Capital Planning	Director of Capital Estates	Green	Highly Likely		2021	-			
16.4	Engage with load without the state of the st	HB & Trusts			Head of Capital Planning	Director of Capital Estates and Facilities	Amber	Feasible		2023	-	Engagement with LAs on-going & some successes already achieved e.g. Cycle Super Highway from Cardiff City Centre to UHW		
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Transport Guidance for users

This sheet contains all initiatives relating to transport. If initiatives are incorrectly attributed / not attributed to your organisation, please contact nwssp.dcr_team@wales.nhs.uk to amend.

Please see section 3 of the NHS Wales Decarbonisation Strategic Delivery Plan 2021 - 2030 for more information

Instructions for users

Input information into the light blue cells. Light yellow cells are for information. Grey cells should not be edited. Where full Task information is not provided further explanatory text can be found in the Strategic Delivery Plan.

Strategic Jellivery Plan. - RAG data entered in the "RAG" column and Dellivery Confidence should be calculated using the guidance on the instruction page. An overall RAG initiative should be set, based upon the RAG for each key action. An overall Delivery Confidence for the initiative should be set, based upon the Delivery Confidence for each key action. Delivery confidence does not impact RAG rating. - Please use Duilet points in comments relating to an action

Initiative 17 - NWSSP will work with Health Boards and Trusts to develop the best practice approach for EV charging technology, procurement, and car park space planning this will include consideration of NHS Wales' own fleet, staff vehicles, and visitor EV charging. Carbon Impact 2/10

Action Owner itiative /erall R/ elivery Action Task Dependencies countable RAG % Complete Task Lead esponsible Start Imple Comments NWSSP will facilitate the development of the best practice approach for electric vehicle (EV) uptake across NHS Wales sites... 17.1 Exempt 2021 Exempt On-going - EV charging in place at UHW, UHL & Woodland House Health Boards and Trusts will engage with NWSSP to Default Default mproved electrical Head of Capital, Estates & 17.2 develop the best proactive approach for EV charging HB & Trusts infrastructure of Director of CEF iahlv Likelv 2022 Transport Facilities infrastructure... current estate On-going - Engagement with transport groups are in progress and options are appraised as they become avialable. Explore localised opportunities for low carbon transport infrastructure as they arise (e.g. hydrogen) and Transport policy & Head of links to depts Transport Capital, Estates & Facilities 17.3 HB & Trusts Director of CEF ghly Likely Ongoing Transport implement if deemed feasible.

Initiative 18 - A standardised system of vehicle management for owned and leased vehicles will be developed to plan, manage, and assess vehicle performance this will entail central fleet management oversight within each organisation. This will include consideration of NHS Wales' own fleet, staff vehicles, and visitor EV charging. Carbon Impact 1/10

	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
11	3.1	Develop an NHS-wide procurement, operation, financial management and maintenance system to standardise fleet practices across the service.						Exempt	Exempt		2023				
11	3.2	Ensure each Health Board and Trust has a single Fleet Manager in place with oversight of all Health Board / Trust fleet vehicles. They should put in place a central fleet management approach.	HB & Trusts	UHB transport policy	Director of CEF	Director of CEF	Capital, Estates & Facilities	Green	Highly Likely		2023		Central fleet manager in place with hybrid approach to central fleet management - centrally managed compliance issues while budgets are devolved	Default	Default
11	3.3	Implement / continue to implement telematics solutions to analyse and improve driver behaviour.	HB & Trusts	All depts with fleet	Head of Transport	Head of Transport	Delegated to depts	Amber	In Doubt		2023		Limited telematics within UHB - Where in place is working well - Transport team have liaised with user departments, however, there is some reluctance due to increased costs. Issue CVUHBS refers.		

Initiative 19 - All new cars and light goods fleet vehicles procured across NHS Wales after April 2022 will be battery electric wherever practically possible. In

justifiable instances where this not suitable, ultra-low emission vehicles should be procured. Carbon Impact 3/10.

4	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative	Overall Delivery Confidence
19	.1	Continue with existing vehicle procurement schedule, prioritising battery electric vehicle fleet where practically possible from March 2022. In justifiable instances where this is not suitable (e.g. range issues), uitra low emission vehicles can be procured. Exceptions will be made where technology is not market- ready		Depts particularly providing all Wales services	Head of Transport	Director of CEF	Capital, Esatets & Faciliies, & depts	Amber	Feasible		2022	-	On-going. Procurements were suspended due to supply chain issues post-Covid and Ukaraine conflict. Will be testing market again in near future Currently five BEV & one LCEV in UHB fleet	Default	Default
19	.2	Evaluate the advantages of obtaining corporate membership to local car clubs that utilise battery- electric and hybrid vehicles. Implement if deemed valuable.	HB & Trusts	None	Head of Transport	Director of CEF	Capital, Esatets & Faciliies	Green	Feasible		2022		Car clubs previously evaluated and found to be uneconomic due to geographical size of UHB . Will continue to monitor.		

Initiative 20 - All new medium and large freight vehicles procured across NHS Wales after April 2025 will meet the future modern standard of ultra-low emission

vehicles in their class. Carbon Impact 3/10 .

	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative	Overall Delivery Confidence
	20.1	Develop an approach to decarbonise fleet emissions	HB & Trusts	Working with all depts	Head of Transport		Capital, Estates & facilities. & depts	Amber	Feasible		2023		Approach on-going Engagement with transport groups are in		
S	20.2	Conduct an annual review to assess how emerging medium / large freight technologies can be incorporated into the fleet						Exempt	Exempt		2022			Default	Default
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	26,3	Procure ultra-low emissions freight vehicles across NHS Wales from 2025.	HB & Trusts					Exempt	Exempt		2025	-			

# Instance 21 - All Health Boards and Trusts will appraise the use of staff vehicles for business travel alongside existing pool cars. Health Boards and Trusts will update their business travel policies to prioritise the use of electric pool cars, electric private vehicles and public transport. Carbon Impact 3/10.

Action Delivery

	7:12	Owner			Confidence			Overall RAG	onfidence
21	Consult staff to establish appropriate actions that can be taken to encoding wider uptake of BEVs/ULEVs and disincentivise high emission travel	Head of Transport	Capital, Estates & facilities, & depts	Green	Highly Likely	2023	A salary sacrafice schemes is in place to support staff lease low carbon vehicles and bicycles. Park and ride is available to UHW to reduce parking on site. In hospital shuttle available between UHW and UHL to reduce business travel emissions. We ofter business rate mileage to staff cycling for business.		

itiative

21.2	Update business travel policies to implement a travel hierarchy that encourages/incentivises sustainable travel and reduces the use of high emission vehicles.	HB & Trusts	Awaiting confirmation of national travel policy from NWSSP.	Head of Transport/ Expense services manage	Head of Transport/ Expense services manage	Capital, Estates & facilities, & depts	Amber	Feasible	2022	All Wales T&S policy is being drafted but not implemented. There will be advice contained in the documentation which will encourage staff not to travel and if required using the most sustainble options. RAG rating is Amber until implemented and incorporated into HB policies. See issue CVUH88.	Default	Default
	Evolve existing accounting systems to improve records of grey fleet journeys	HB & Trusts	There is a reliance on NWSSP to produce updates on centralised reporting.	Transport/	Head of Transport/ Expense services manage	Capital, Estates & facilities, & depts	Amber	Feasible	2022	The system has standard process - a request for decarbonisatio to be included within reporting has been made by NWSSP. See issue CVUHB8.		

# Initiative 22 - The Welsh Ambulance Service NHS Trust will continue to develop their electric vehicle charging infrastructure network plan for the existing NHS Wales estate to facilitate the roll-out of electric vehicles. Carbon Impact 3/10.

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable		Delivery Confidence	Start	Implemented	% Complete	Comments		Overall Delivery Confidence
22.1	Determine the spare Authorised Service Capacity (kVA) available at each site, accounting for predicted future changes to the site	WAST					Exempt	Exempt		2021				
	Continue to develop the existing WAST EV charging implementation plan in anticipation of plug-in hybrid and electric rapid response vehicle procurement from 2022 and electric emergency ambulances by 2028. It's acknowledged that in some rural areas this technology may not be feasible yet.	WAST					Exempt	Exempt		2022			Exempt	Exempt
22.3	Apply for funding and install as appropriate to ensure the infrastructure is in place to accommodate electric rapid response vehicles by 2022 and electric emergency ambulances by 2028.	WAST					Exempt	Exempt		2022/2028				

### Initiative 23 - The Welsh Ambulance Service NHS Trust will aim for all rapid response vehicles procured after 2022 to be at least plug-in hybrid EV, or fully batteryelectric in appropriate locations. Carbon Impact 5/10.

Act	ion Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable		Delivery Confidence	Start	Implemented	% Complete		Overall Delivery Confidence
23.1	Continue to engage with vehicle manufacturers to participate in trials and assess the suitability of battery- electric technology for rapid response vehicles (focusing on vehicle range, charge times, and battery longevity).	WAST					Exempt	Exempt		Ongoing		Exempt	Exempt
23.2	Transition procurement to battery-electric rapid response vehicles by 2022 as planned where possible. Where this is considered non-feasible, plug-in hybrid vehicles should be procured until fully electric vehicles can be reliably utilised.	WAST					Exempt	Exempt		2022		Exempt	exempt

Initiative 24 - The Weish Ambulance Service NHS Trust will actively engage with vehicle manufacturers for research and development of low carbon emergency

response vehicles and report annually, with the ambition to operate plug-in electric, or alternative low carbon fuelled, emergency ambulances by 2028. Carbon Impact

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable		Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
24.1	Continue to engage closely with vehicle manufacturers and the wider NHS to participate in trials and assess the suitability of low carbon technology (e.g. battery- electric) emergency ambulances.	WAST					Exempt	Exempt		Ongoing	-			
	Report annually on the readiness of emerging technologies in WAST's Sustainability Report.	WAST					Exempt	Exempt		Annually from Mar 2023			Exempt	Exempt
24.3	Implement fully-electric emergency ambulances as soon as reasonably practicable and by 2028 if possible.	WAST					Exempt	Exempt		2028				



### Procurement

Guidance for users
This sheet contains all initiatives relating to procurement. If initiatives are incorrectly attritbuted / not attributed to your organisation, please contact nwssp.dcr_team@wales.nhs.uk to amend.

### Please see section 3 of the NHS Wales Decarbonisation Strategic Delivery Plan 2021 - 2030 for more information

Instructions for users

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### Initiative 25 - NWSSP will transition to a market-based approach for supply chain emissions accounting. Carbon Impact 2/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
	Undertake an analysis activity to understand the supplier emissions breakdown for pharmacy, which is $>30\%$ of total emissions.	NWSSP Procurement					Exempt		2022	-			
	Develop a template for approaching suppliers that provide services/products over a set value to establish product-specific carbon emission information. Approach suppliers annually from March 2022 to collect emissions data.	NWSSP Procurement					Exempt		2022	-			
25.3	Establish a system for engaging with major suppliers periodically (e.g. two-yearly) to undertake due diligence on supplier carbon emissions calculations.	NWSSP Procurement					Exempt		2022			Exempt	Exempt
25.4	Introduce a standard procurement template for all procurements and tenders above Official Journal of the European Union (OJEU) requirements	NWSSP Procurement					Exempt		2022	-			
25.5	Update the carbon footprint methodology to recognise the market based carbon emission data collection.	NWSSP Procurement					Exempt		2023	-			

### Initiative 26 - NWSSP will expand its current Sustainable Procurement Code of Practice to include a framework for assessing the sustainability credentials of suppliers. Carbon Impact 6/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Start	Implemented	% Complete	Comments	Initiative	Overall Delivery Confidence
26.1	strategy to effectively ensure carbon emission reductions are accurately reflected in tender and	All Wales Medicine Strategy Group & NWSSP Procurement					Exempt		2022	-		Exempt	Exempt
26.2	Develop guidance and provide additional training for procurement staff outlining best practice assessments of sustainability credentials specific to their procurement categories	NWSSP Procurement					Exempt		2022				

### Initiative 27 - Value to the local supply chain will be maximised, whilst maintaining high standards for goods and services. Carbon Impact 4/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
		NWSSP Procurement					Exempt		2023	-			
27.2	Target specific activities that are deemed suitable to champion the local supply chain. Challenge the local supply chain to produce sustainable products to encourage and develop the local circular economy. Score a reduction in transport mileage as a way of reducing carbon.	NWSSP Procurement					Exempt		Mar 2023			Exempt	Exempt

### Initiative 28 - 100% REGO-backed electricity will be procured by 2025, and 100% offset gas by 2030. Carbon Impact 1/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Start	Implemented	% Complete	Comments	Initiative	Overall Delivery Confidence
	Purchase 100% REGO-procured electricity by 2025, and continue to procure renewable electricity thereafter. (In 2018/19, 93% of all electricity purchased by NHS Wales was REGO certified).	NWSSP Procurement					Exempt		2025			Exempt	Exempt
	In instances where it has not been possible to Orectrify heat by 2030, NWSSP Procurement and/or Weith Boards and Trusts must purchase 100% offset gas from December 2030.	NWSSP Procurement					Exempt		2030				

Initiative 29'- NWSSP Procurement Services will embed NHS Wales' decarbonisation ambitions in procurement procedures by mandating suppliers to decarbonise. Carbon Impact 10/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Start	Implemented	% Complete	Comments	Overall Delivery Confidence
	Set threshold values to contractually mandate suppliers to proactively decarbonise. Embed this in procurement requirements for suppliers as deemed appropriate						Exempt		2024			

	29.2	Include in the Supplier Relationship Management (SRM) template a specific reference to NHS Wales's decarbonisation ambition and the role suppliers will have to take.				Exempt	2022		Exempt	Exempt
	29.3		NWSSP Procurement			Exempt	2021		Exempt	Exempt
1	29.4	Undertake an outreach programme to engage with suppliers to create case studies of decarbonisation improvements to champion the message.	NWSSP Procurement			Exempt	2022			

Initiative 30 - Sustainability will be embedded within strategic governance – NWSSP Procurement Services will work across Wales to champion decarbonisation in the supply chain, and influence decarbonisation ambitions for buildings and transport. Carbon Impact 10/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Start	Implemented	% Complete	Comments		Overall Delivery Confidence
	Reflect progress made on the Delivery Plan within annual service reviews. This will be a key focus point for the governance of delivery.	NWSSP Procurement					Exempt		2022	-			
30.2	Integrate progress against the Delivery Plan within annual reporting against the Well-being Objectives.						Exempt		2022				
30.3	Assign overall responsibility for Sustainable Procurement to a dedicated Senior Manager (with a support group as required)	NWSSP Procurement					Exempt		2022			Exempt	Exempt
30.4	Ensure the Procurement Services Management Team (PSMT) collaboratively work to support the ambition to decarbonise – for the key individual, this will be included within the formal responsibility within their job roles	NWSSP Procurement					Exempt		2022	-			

### Initiative 31 - NWSSP Procurement Services will improve supply chain logistics and distribution to reduce the carbon emissions from associated transport. Carbon Impact 3/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Start	Implemented	% Complete	Comments		Overall Delivery Confidence
31.1	Evolve stock management approach to utilise IP5 storage. Put in place a smart delivery system to minimise carbon emissions from transport.	NWSSP Procurement					Exempt		2023	-			
31.2		NWSSP Procurement					Exempt		2023	-		Exempt	Exempt

### Initiative 32 - NWSSP Procurement Services will actively develop and support procurement requirements to support implementation of this Strategic Delivery Plan. Carbon Impact 10/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
32.1	Engage Health Boards to assess the need for specific frameworks, for example: • Electric vehicles and infrastructure • Renewable power • Low carbon heat	NWSSP Procurement					Exempt		2022	-		Exempt	
32.2		NWSSP Procurement					Exempt		2022	-		Exempt	Exempt



### Land Use

Guidance for users This sheet contains all initiatives relation to land use. If initiatives are incorrectly attributed / not attributed to your organisation, please contact nwssp.dcr team@wales.nhs.uk to amend.

Please see section 3 of the NHS Wales Decarbonisation Strategic Delivery Plan 2021 - 2030 for more information

### Instructions for users

Instructions for users
I high the light blue cells. Light yellow cells are for information. Grey cells should not be edited. Where full Task information is not provided further explanatory text can be found in the Strategic Delivery Plan.
RG data entered in the 'RAG' column should be calculated using the guidance on the instruction page. An overall RAG initiative should be set, based upon the RAG for each key action.
Please use builtet points in comments relating to an action

### Initiative 33 - All-Wales strategic estate planning will have carbon efficiency as a core principle - quantified carbon will be a key decision metric for planning

new developments, rationalisation of the estate, and championing smart ways of working. Carbon Impact 5/10

,	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemented	% Complete	Comments	Initiative Overall RAG	Overall Delivery Confidence
3.	3.1		WG Capital, Estates & Facilities					Exempt	Exempt		Upon adoption of framework			Default	Default
3	3.2	Ensure rationalisation of the estate (as planned in business cases) is fully seen through to ensure emissions are reduced as appropriate.	HB & Trusts		Head of Energy and Performance	Planning	Director of Capital Estates and Facilities	Amber	Feasible		Ongoing	-	On-going rationalisation of the estate is being completed. The driver however is not because of carbon, rather operational.		

# Initiative 34 - NWSSP and Welsh Government will develop an approach to land use to advise Health Boards and Trusts on land identification, collaboration with Local Authorities and the community, and the appraisal approach for renewable energy and greenhouse gas removal. Carbon Impact 2/10_____

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable		Delivery Confidence	Start	Implemented	% Complete	Comments		Overall Delivery Confidence
	NWSSP and Welsh Government will provide guidance for carbon accounting of existing land, and identifying suitable land for renewable energy generation and greenhouse gas removal	NWSSP & WG					Exempt	Exempt		2022				
34.2	Each Health Board and Trust will undertake a land evaluation to establish areas of the existing estate for potential renewable energy generation or greenhouse gas removal	HB & Trusts		Head of Energy and Performance		Director of Capital Estates and Facilities	Amber	Feasible		2024	75	This forms part of the UHB 'Refit' planning where assessments have been carried out across the estate to investivate the viability of a number of green energy initiatives.	Default	Default
34.3	Health Boards and Trusts should support localised initiatives to maintain green spaces on hospital sites for use by staff, the public and patients	HB & Trusts		Jon N / CVUHB Charity / UHB Estates	Read of Capital	Director of Capital Estates and Facilities	Green	Highly Likely		2024	50	Initiatives such as 'Grow Cardiff' have proved successful at Riverside. Similar plans are earmarked for St Davids. Also links to UHL Meadow managed by the UHB Charity.		

### Initiative 35 - NHS Wales will explore and progress large scale renewable generation with private wire connection to our sites. Carbon Impact 4/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable		Delivery Confidence	Start	Implemented	% Complete	Comments	Overall	Overall Delivery Confidence
35.1	Conduct feasibility assessments for large-scale renewables including solar FV and wind generation. Actively and collaboratively engage with Local Authorities and neighbouring landowners to scope opportunities and partnerships to share space and promote sustainable land use.	HB & Trusts		Head of Energy and Performance	Head of Capital Planning	Director of Capital Estates and Facilities	Amber	In Doubt		2023		Restricted undeveloped space on main UHW acute site, however conversations around neighbouring land in UHL have been considered. Refit have reviewed current estate in relation to PV arrays, many schemes aiready commenced. Have used Re:Fit to inform us on the best carbon reduction and hest eaving-investment		
35.2	Proceed with renewable energy installation in all viable instances. 50% of identified viable potential must be installed by 2026. 100% of identified viable potential must be installed by 2030.	HB & Trusts		Head of Energy and Performance		Director of Capital Estates and Facilities	Amber	In Doubt		2026/2030	-	Subject to funding availability and deliverability of viable installations for the laerger acute sites.	Default	Default
35.3	Develop a strategy to ensure existing renewable energy systems remain well maintained (e.g. periodic cleaning schedule, schedule of consumable part replacement (e.g. inverters) in line with expected lifespans).	HB & Trusts		Head of Energy and Performance	Head of Capital Planning	Director of Capital Estates and Facilities	Amber	In Doubt		2023		PPM's will / are developed however, statutory compliance takes precedence in relation to funding the estates maintenance requirements. With the remainder of funds spread amongst other competing demands and cumorities clinical requirements		



### Approach to Healthcare

Guidance for users
This sheet contains all initiatives relating to Approach to Healthcare. If initiatives are incorrectly attributed / not attributed to your organisation, please contact nwssp.dcr_team@wales.nhs.uk to amend.

Please see section 3 of the NHS Wales Decarbonisation Strategic Delivery Plan 2021 - 2030 for more information

Instructions for users • Input information into the light blue cells. Light yellow cells are for information. Grey cells should not be edited. Where full Task information is not provided further explanatory text can be found in the Strategic Delivery Plan. • RAG data entered in the "RAG" column should be calculated using the guidance on the instruction page. An overall RAG initiative should be set, based upon the RAG for each key action. • Pleses use built points in comments relating to an action

### Initiative 36- Our approach to 21st-century healthcare will be central to the design of new hospital developments - redesigning the whole journey with care closer to home in a carbon-friendly primary care estate with a reduced need to visit hospitals. Carbon Impact 4/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable		Delivery Confidence	Start	Implemente d	% Complete	Commente		Overall Delivery Confidence
30.1	To effectively reduce emissions to a minimum, a new service model must consider a shift in the way that care is delivered. At the design stage, we will ensure that new acute sites will cater to the modern healthcare journey	WG Capital, Estates & Facilities					Exempt	Exempt		2021			Exempt	Exempt
36.2		WG Capital, Estates & Facilities					Exempt	Exempt		Ongoing	-			

Initiative 37 - Support the Welsh Government's target for 30% of the Welsh workforce to work remotely, by continuing to facilitate flexible and smart working, developing the existing approach to remote working technology, and rationalising existing office space. Carbon Impact 2/10

Act	ion	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemente d	% Complete	Comments		Overall Delivery Confidence
37.1	feasib office- remot recogr	lish the proportion of the workforce that could ly work remotely (expected to predominantly be based staff). Actively encourage staff to work ely where this can be feasibly achieved (it's nised that in some parts of rural Wales this will not ssible without infrastructure upgrades).	HB & Trusts		Rachel Pressley	Rachel Gidman	Rachel Gidman	Blue	Complete		2022		17.66% of C&V staff are admin and clerical, but it is not possible to determine how many of these are office based as opposed to e.g. ward based. C&V has an Agile Working Framework and Home Working Guidelines. The Framework states that Whilest agile working can be considered for all employees, not everyone works in the kind of role that can be done in a hybrid or remote way. Managers should consider if remote way. Managers should consider if working hours. Agile working will not look the same throughout Cardiff and Vale UHB. It will vary based on service needs and there may be variation within a department depending on Individual needs / preferences. This Framework does not discusse and agile working will look like in the discusse and agile working will look like to discusse and agine working will look like in discusse and agine working will look like in discusse and agine working will look like into consideration when putting these arrangements in place. Embeding a culture of trust and mutual respect is essential to realise the benefits of agile working wicking as to consideration when putting these arrangements in place. The deving and is consistent with the Values of Cardiff X vale UHB and the Core Principles of NHS Wales	Default	Default
37.2			HB & Trusts		Steve	Director of Capital Estates and Facilities	Catherine	Amber	In Doubt		2023		Woodland has done that in places. E.g. the execs are now on desks and their rooms are meeting rooms. Also considering consolodation of buildings. HB workforce policy required		
37.3		der the future transformation of office space into onal healthcare facilities as required.	HB & Trusts			Marie	Abi	Amber	Probable		Ongoing	-			
37.4	share	der opportunities to work with external partners to and utilise office space to reduce travel ements.	HB & Trusts		Steve	Director of Capital Estates and Facilities	Catherine	Red	Feasible		Ongoing		Q5 used to rent a room in Woodland. Not sure what happens elsewhere.		

Efficiative 38 - Continue to utilise technology to increase the efficiency of engagements between staff and the public where suitable. Carbon Impact 2/10

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Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Implemente d	% Complete	Comments		Overall Delivery Confidence
38.1	But to an the progress made during the Covid-19 participation and anintain the use of digital consultations and patient motion where possible to reduce the requirement opyroidable staff and patient travel	HB & Trusts	Led by TECS Cymru & DHCW	Ops Modernisation team	Ops Modernisation / Head of Digital Services Management	Chief Operating Officer	Amber	Feasible	Ongoing		The move to wider adoption of VC is owned by the Outpatient Modernisation Board		
38.2	Continue to use Dechnology alongside the 111 service to support patient thate, information gathering, and to signpost patients to abpropriate health services. Also consider the opportunity for developing an NHS Wales app (similar to the NHS England app).	HB & Trusts	Led by DHCW				Red	Unfeasible	Ongoing	-	Task lead should be changed to DHCW	Default	Default

38.3	Ensure healthcare professionals are provided with the appropriate technology to carry out these tasks effectively.	NWSSP, HB & Trusts		Head of Digital Services Management / Deputy Head of Finance	Director of Digital and Health Intelligence/ Deputy Head of Finance	Executives	Amber	Feasible	Ongoing	Technology is provided to staff, however, the Health Board don't have a hardware replacement programme in its budges. Digital department are not empowered/funded to provide 'appropriate technology' to uHB staff. The definition of appropriate technology will near to he provided to give a face Table Status	Deruun	Deruur
38.4	Develop a best practice approach for the use of digital technology and further explore digital consultation technology	HB & Trusts	Led by TECS Cymru & DHCW				Green	Feasible	2023	Supporting the approach but action is dependent on National level programme. Leads will be allocated as appropriate.		
38.5	Continue to digitalise clinical records and communications to increase resource efficiency and reduce printing resource requirements.	HB & Trusts	Led by DHCW				Green	Feasible	Ongoing	Supporting the approach but action is dependent on National level programme. Leads will be allocated as appropriate.		

Initiative 39 - Health education will be used to champion decarbonisation across our service – we will encourage sustainable healthcare practice, waste efficiency, and low carbon staff and patient behaviour. Carbon Impact 3/10

Actio	n Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence		Implemente d	% Complete	Comments		Overall Delivery Confidence
39.1	Health Education and Improvement Wales (HEIW) will support the implementation of this Delivery Plan by helping to embed the latest decarbonisation knowledge and research into healthcare practice and the educational curriculum	HEIW					Exempt	Exempt		Ongoing	-			
39.2	Health Boards and Trusts will support sustainability working groups and wider collaboration with healthcare professionals across Wales and beyond (e.g. Doctors for Greener Health Care Networks).	HB & Trusts		Sustainability Manager	Senior Leadership Board	Executive Director of Strategic Planning	Green	Highly Likely	31/03//2021	Ongoing	-	A CAVUHB wide Green Group has been established. There are also a number of departemental green groups which have been formed and supported. Staff are provided with the opportunity to take the outputs of their projects to Decarbonisation Goverance groups. Support 15 provided by the Sustainability Manager where required. There are a number of Clindal sustainability staff, including fellows, to support deliver of change and actions at a ward level.	Default	Default
39.3	Public Health Wales will continue to positively influence public behaviours, champion low carbon healthcare options, and prevent ill health	PHW					Exempt	Exempt		Ongoing				
39.4	Engage with NHS England to provide input and expertise into the development of the best practice blueprint for low carbon digital care.	HEIW					Exempt	Exempt		Ongoing	-			

Initiative 40 - Support the work of existing working groups such as the Welsh Environmental Anaesthetic Network to raise awareness of the carbon impact of medical gases and transition to a culture where gases with low global warming potentials are prioritised. Carbon Impact 2/10

A	ction	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Implemente d	% Complete	Commente		Overall Delivery Confidence
40	0.1	Consult with Welsh Environmental Anaesthesia Network (WEAN) and senior medical staff to evaluate their existing trials to reduce emissions associated with anaesthesia, and develop an approach to expand best practice across all of Wales.	All Wales Medicine Strategy Group / WEAN					Exempt	Exempt	2021				
40	1.2	Develop and implement an Environmentally Friendly Medical Gas Policy by March 2022, which will ensure staff proritise low GWP gases and gases with low cozne- depleting features where possible in decision-making processes and ensure that staff can only use high GWP gases in certain circumstances when justified against alternatives.	All Wales Medicine Strategy Group / WEAN					Exempt	Exempt	2022			Exempt	Exempt
40		decarbonisation of medical gases to all acute Health	All Wales Medicine Strategy Group					Exempt	Exempt	2022	-			
40	1.4	Closely monitor the outcomes of WEAN's research in N2O use and leakage rates. Appraise the use of piped medical gas infrastructure against bottled gas use and monitor consumption of medical gases closely.	All Wales Medicine Strategy Group					Exempt	Exempt	2023				

Initiative 41 - Explore methods of minimising gas wastage and technologies to capture expelled medical gases. Carbon Impact 2/10

Act	ion	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable		Delivery Confidence	Start	Implemente d	% Complete	Comments		Overall Delivery Confidence
ALC AL	20	echnologies for capturing medical gases and disposing of	All Wales Medicine Strategy Group					Exempt	Exempt		2024	-			
41.2	2	new's matical gas capture technology is integral to all new willing and major refurbishments.	HB & Trusts			Capital Estates	Executive Director of Strategic Planning	Green	Default		Ongoing	-	There are currently no projects ongoing which requires implementation of this technology.	Default	Default
41.3	3	nitrous oxide that is not used (estimated to typically be	All Wales Medicine Strategy Group					Exempt	Exempt		Ongoing				

Initiative 42 - Take a patient-centric approach to optimise inhaler use, focusing on a reduction in the over-reliance of reliever inhalers where possible and emphasising the importance of inhaler-specific disposal and recycling. Carbon Impact 3/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemente d	% Complete	Comments		Overall Delivery Confidence
42.1	Work with senior medical staff, the Welsh Respiratory Health Implementation Group, pharmacits, doctors and asthma nurses to create alignment and develop guidance for prescribers to encourage reviews of patients' requirements and ensure inhabers are suitably prescribed. Utilise current existing mechanisms such as national apps and the national Welsh Standard educational appschages to achieve this change through co-production	All Wales Medicine Strategy Group / RHIG					Exempt	Exempt		2022			Default	Default
42.2	Brief prescribers, hospital/community pharmacists and dispensers of the key messages from the guidance	All Wales Medicine Strategy Group, HB & Trusts, RHIG	Dependent on guidance 42.1		medicines	Director of Pharamacy and medicines management	Green	Highly Likely		2022		This is done on an ad-hoc basis when guidance is published alongside Corporate Medicines Management Group.		

Initiative 43 - Transition the existing use and distribution of carbon-intensive and high global warming potential (GWP) inhalers to alternative lower GWP inhaler types where deemed suitable. Carbon Impact 3/10

Actio	n Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemente d	% Complete	Comments		Overall Delivery Confidence
43.1	Work with senior medical staff and the Welsh Respiratory Health Implementation Group to develop guidance (or update existing All Wales Asthma Guidance) and education material surrounding the carbon footprint of inhalers for pharmacists and prescribers to						Exempt	Exempt		2021 (annually)				
43.2	Where appropriate, proceed with transitioning patients to low GWP inhalers (e.g. dry powdered inhalers (DPIs)), but only where patient care will not be impacted. Where a transition to a low GWP inhaler is not possible (e.g. patients' individual requirements), patients' transmiss should not be changed. Low-GWP metered dose inhalers (MDIs) are expected by 2025 and a shift to a different type of inhaler should be revisited when these inhalers become available	All Wales Medicine Strategy Group / RHIG					Exempt	Exempt		2025	-		Exempt	Exempt
43.3	Develop and provide education material to patients surrounding the carbon footprint of inhalers via patient apps to promote patient-driven change. Utilise Welsh Government, the national press and social media to drive the agenda	All Wales Medicine Strategy Group / RHIG					Exempt	Exempt		2021				
43.4	Measure the change in inhaler prescribing through national data collection and report in the carbon footprinting report.	NWSSP					Exempt	Exempt		2022 (annually)				

Initiative 44 - We will support the development of pan-Wales guidance by 2022 for best practice reduction of pharmaceutical waste. Carbon Impact 1/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Implemente d	% Complete	Comments		Overall Delivery Confidence
44.1	We will work with pharmaceutical organisations, clinicians and recycling experts to identify how best practice guidance for the reduction of pharmaceutical waste can be developed and to support them in producing guidance. It is recognised that the key actions relate to direct delivery of healthcare (e.g. Prescribing medication to patients) and so are outside of the remit of NWSFb to impose.						Exempt	Exempt	2022			Default	Default
44.2	Upon publication, implement best practice guidance across all Health Boards and Trusts.	HB & Trusts	Depedent on guidance 44.1	Manager	Pharmacy and Medicines	Pharmacy and Medicines	Exempt	Exempt	2023		Ine guidance discussed for planned implementation under the Corporate Medicines Management Group. Difficult to		

Initiative 45- We will develop 'plastics in healthcare' initiatives to address waste in the delivery of health care - this will aim to tackle PPE, single use plastics, and packaging waste. Carbon Impact 1/10

	Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Implemente d	% Complete	Commente	Overall Delivery Confidence
2	B. Un	Consult industry partners, clinicians, recycling experts and literature to develop initiatives to reduce the use of single- use plastics in healthcare where possible and increase the optential for recycling and reuse. Ideally, this will be regularly addressed through a shift in procurement sprogress where feasible, as outlined in initiatives 26-30.	NWSSP					Exempt	Exempt	2022			
	45.2	across and Health goards and Trusts.	HB & Trusts	Dependent on 45.1			??	Exempt	Exempt	2023		This information has not been disseminated to HB's	
		· ~~~											

45.3	Health Boards and Trusts are encouraged to reduce waste of non medical equipment that is no longer required (e.g. furniture, consumables, etc.) by reusing it elsewhere or donating it, where permitted and safe to do so.	HB & Trusts			Director of Capital Estates and			01/04/2023	2022	Effice local charity to remove and recycle cardboard into animal bedding free of charge for UWW WH and Maeffa Local supplier to remove nomedical scrap its interests to reduce carbon footprint generated by transportation of scrap. As an authorised transmitter earter all scrap is recycled or disposed of in a responsible way. Introduction of recycling waste segregation streams into all community premises. Recently distilled a local honeless charity who were above hyber with the disposed of in the transmitter form Mattereses phasing out is only the for- medistrom to be sterilised Plans to recycle nappens in women and childrens	E
			Head of Facilities	Head of Facilities	FacilitiesGeoff	Green	1				

Initiative 46 - We will work with pharmacists and prescribers to build upon and support existing efforts to encourage responsible disposal of inhalers. Carbon Impact 2/10

Action	Task	Task Lead	Dependencies	Action Owner	Responsible	Accountable	RAG	Delivery Confidence	Start	Implemente d	% Complete	Comments		Overall Delivery Confidence
46.1	Introduce additional inhaler-specific disposal facilities in bospitals in partnership with industry stakeholders	HB & Trusts, Industry third parties	Report from WG is due to be published following a pilot in Swansea Bay. The required action and onwers will be determined as a result of this report.	Director of Pharamacy and medicines management			Exempt	Exempt		2022		Action Owners - Accountable owner will be determined by the outcome of the report.		
46.2	Support the work of groups such as the Welsh Respiratory Health Implementation Group and the International Pharmaceutical Aerosol Consortium to emphasise the Importance of responsible disposal with regard to carbon emissions.	HB & Trusts	Continuation of RHIG funding		Lead, National Respiratory Health Implementatio n group Wales		Exempt	Exempt		2021	-	This action is required to be developed at a national level - actions will then be taken forward within individual HBS. Links being established - HB is working with GP to encourage the responsible disposal of inhalers.	Default	Default
46.3		HB & Trusts, RHIG	Continuation of RHIG funding		Lead, National Respiratory Health Implementation group Wales		Exempt	Exempt		2022	-	This action is required to be developed at a national level - actions will then be taken forward within individual HB's. HB are encouraging pateints for disposals and access to apps and digital content		



Issue Log

Guidance for users Use this sheet to maintain a log of all issues relating to the delivery of your Strategic Delivery Plan initiatives. Issues with an average collated 'Red' rating will be shared with the Health and Social Care Climate Emergency Project and Programme Boards.

Instructions for users • Set a unique Issue ID for each identified issue. This should start with your organisation acronym e.g. Swansea Bay University Health Board Issue 1 would be SBUHBI1 / Public Health Wales Issue 23 would be PHWI23 • Complete each field in light blue and target rating. Autocalculated Rating and Score will forumlate based upon Priority / Severity designated

		Prior	rity / Urgency to Resol	lve		
		Very Low	Low	Medium	High	Very High
	Negligible	Green	Yellow	Amber	Amber	Amber
Severity	Minor	Yellow	Yellow	Amber	Amber	Amber
	Moderate	Yellow	Yellow	Amber	Red	Red
	Significant	Amber	Amber	Amber	Red	Red
	Severe	Amber	Amber	Amber	Red	Red

	Rating Guidance
Green	No significant impact on Project timescales, budget or scope
Yellow	Minor Impact on Project timescale, budget or Scope
Amber	Significant Impact on Project timescale, budget or Scope
Red	Major Impact on Project timescale, budget or Scope

Issue Ref	Description/Issue	Issue Type	Status	Priority	Severity	Autocalculated Rating	Target Rating	Target Date	Date Identified	Date of Last Update	Decision Date	Closure Date	Raised By	Responsibility /Owner	Workstream	Comments/Notes	Autocalculated Score	Category
EXAMPLE DATA NWSSPI1	E-HGV's – UK GOV will not currently approve vehicles for use due to significant safety issue.	Problem/Concern	Open	Medium	Significant	Amber	Yellow	01/10/2023	06/04/2023	06/04/2023	твс	твс	Tony Chatfield	Tony Chatfield	Transport	NWSSP decision may be required – What next steps should be taken? DfE and BEIS funded.	0	Operational
	With UHW at the end of its life, the investment required to decarbonise (if the technology exists to achieve service specifications) needs to be taken alongside the need to refurbish, replace or do nothing. CVUHB have requested funding from WG to write a SOC, however, this funding has not been granted.	Problem / Concern	Open	Very High	Severe	Red	Red	?	31/08/2023	31/08/2023	?	твс	Ed Hunt	Ed Hunt	Buildings, Estates & Planning	The current financial climate is likely impacting WG's ability to fund our SOC. A meeting is scheduled with WG's CEF team to understand whether there is a way forward. At this time, target resolution date and decision date cannot be completed.		Strategic
CVUHB2	Funding has been too scarce to undertake a feasibility of every non acute site to understand potential to convert to low carbon heat. It has not been achieved by 2022 therefore.	Problem / Concern	Open	Low	Moderate	Yellow	Amber	31/12/2030	31/08/2023	31/08/2023	?	твс	Ed Hunt	Geoff Walsh	Buildings, Estates & Planning	the worst in the UK, there has not been the funding to undertake this work. CVUHB have issues maintaining the current estate given current levels of capital and wrote to WG on this matter during 2023. Priority has	6	Operational
CVUHB3	Energy performance contracts are not feasible.	Problem / Concern	Open	Low	Moderate	Yellow	Yellow		06/09/2023	06/09/2023	?	твс	Ed Hunt	Geoff Walsh	Buildings, Estates & Planning	CVUHB have looked into these in the past and have been deemed not feasible. Will keep under review.	6	
CVUHB4	There are no viable and cost effective alternatives to CHP on large acute sites with specialist energy domands	Problem / Concern	Open	Low	Moderate	Yellow	Yellow	31/12/2030	06/09/2023	06/09/2023	?	твс	Ed Hunt		Buildings, Estates & Planning	In the event of a break down and replacement, CHP remains cost effective. Will keep under review.	6	
CVUHB5	Telematics have not been installed in all UHB vehicles due to increased costs	Problem / Concern	Open	Low	Moderate	Yellow	Yellow		06/09/2023	06/09/2023	?	твс	Ed Hunt		Transport	There is not the financial case to install telematics on every vehicle. Will keep under review.	6	
CVUHB6	Guidance described in 44.1 has not been published.	Problem / Concern	Open	Low	Moderate	Yellow	Yellow		06/09/2023	06/09/2023	?	твс	Ed Hunt		Transport	Await NWSSP	6	
CVUHB7	Guidance required at a national level.	Problem / Concern	Open	Low	Moderate	Yellow	Yellow		06/09/2023	06/09/2023	?	твс	Ed Hunt		Approach to Healthcare	Awaiting report from WG	6	
	UHBs do not set policy around travel claims and NWSSP are required to produce centralised reporting	Problem / Concern	Open	Low	Moderate	Yellow	Yellow		06/09/2023	06/09/2023	?	твс	Ed Hunt		Approach to Healthcare	Await policy from NWSSP	6	
						#N/A											0	
						#N/A											0	
						#N/A											0	
						#N/A											0	

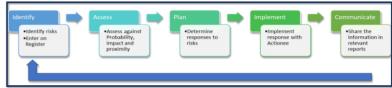


Risk Register

Guidance for users Use this sheet to maintain a log of all risks relating to the delivery of your Strategic Delivery Plan initiatives. Risks with an average collated residual risk score of '15+' will be shared with the Health and Social Care Climate Emergency Project and Programme Boards.

Instructions for users •Ete a unique Risk ID for each identified Risk. This should start with your organisation acronym e.g. Swansea Bay University Health Board Risk 1 would be SBUHBR1 / Public Health Wales Risk 23 would be PHWR23 •Complete each field in light blue, threat or opportunity, target met / yet to achieve. Risk scores and Risk Threshold will autocalculate based upon Likelihood / Impact designated •Certain fields have guidance in the top right corner, indicated by a red triangle. Hover over this for further detail.





									Risk Assessment and Score Prior to Risk Response and Actions completed			Risk Asse actions	ssment on cu completed	urrent positior or mitigations	n with some applied	Target Risk I actions com	Detail -Target so pleted or mitiga	core post ALL ation applied							
Risk Id.	Raised By	Description (Cause, Effect and Event that could occur)	Date Registered	Date last update	Category	Threat or Opportunity	Risk Response Category	Response Action	Likelihood	Impact	Proximity	Inherent Risk Score	Likelihood	Impact	Proximity	Residual Risk Score	Target Risk Rating	Target Date	Target Met or Yet to Achieve	Comments	Risk Actionee	Risk Owner	Status	Risk Above Threshold	Project / Programme / Operational Risk
EXAMPLE DATA NWSSPR1	Logistics Manager - Tony	If market constraints do not change then types of vehicles that require replacement now are not suitable or available for lease or purchase. This will impact upon longer term fleet replacement plans.		06/04/2023	Strategic	Threat	T-Reduce	Meetings with vehicle suppliers to review monitor changes in vehicle technology. Require a reduced capital depreciation period of newly purchased diesels to avoid their operational use beyond 2030.	likely	catastrophic	over 12 months	20	likely	catastrophic	over 12 months	20	10	01/09/2023	Target Not Met	NHS are included in the Category Framework Group (NPS) (PS National Procurement)	National Clinical Logistics Manager	National Clinical Logistics Manager	Open	Above Risk Threshold	Project
R2						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R3						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R4						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R5						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R6						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R7						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R8						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R9						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R10						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R11						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R12						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R13						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R14						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R15						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R16						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R17						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R18						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R19						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R20						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R21						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R22						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R23						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R24						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R25						Opportunity						0				0			Target Achieved					Below Risk Threshold	
R26 TOULD						Opportunity						0				0			Target Achieved					Below Risk Threshold	
840																									



Risk Id. Raised By Description (Cause, Effect and Event that could occur) Date Registered Date last update Category Threat or Opportunity Response Action Likelihood Impact Proximity Inherent Risk Score Likelihood Impact Proximity Residual Risk Score Rating	r Comments Risk Actionee Risk Owner Status Risk Above Threshold Risk Above Threshold Risk
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Report Title:	Urgent Replacement Interventional NeuroF	•	Agenda Item no.	3.1						
Meeting:	Finance Committee	Public Private	Meeting Date:	TBC Sept 2023						
Status (please tick one only):	Assurance	Approval	Information							
Lead Executive:	Catherine Phillips									
Report Author (Title):	Director of Operations CD&T									
Main Report Background and current situation:										

At the start of 2022, a series of equipment failures occurred in the Interventional Rooms, which impacted significantly on patient care and service delivery. The most significant was in May 2022 which was investigated as a Nationally Reportable Incident.

Siemens conducted a health check, which took place on Sunday 5th Feb 2023 (006-AXA0045280 – NVA 2) and Saturday 26th Feb 2023 (006-AXA0045290 – NVA 1). A meeting was held between Siemens and the Health Board on Thurs 6th April to discuss the final report. The Siemens team shared the findings from each room and noted the excessive corrosion and rusting was found on both systems. The rust and corrosion on 006-AXA0045280 was noted to be worse than 006-AXA0045290. The report also noted evidence of corrosion on steel in other parts of the rooms such as power sockets and gas outlets.

Siemens considered cancelling their maintenance contract with immediate effect but agreed that they will honour their current maintenance contract obligations until 31st July 2024. However, they stated that they would not extend the contract beyond that time. It is unlikely that another provider would take on the maintenance contract, given the deteriorating state of the equipment and any agreement to do so would cause considerable concern for the operating teams, of their ability to maintain a viable machine that wouldn't be of detriment to patients. The risk of the operating unreliable equipment with no means of economical repair is untenable, leaving replacement as the only viable option.

The timeframe by which these need to be replaced is ambitious and requires engagement and decision-making at pace at all levels to keep the project on track to complete the sequential replacement by 30th June 2024. Typically, a supplier would require 9 months to build the equipment to order. This timeframe is seeking a quicker response. The service is about to embark on the supplier evaluation process, with the aim of replacement the first IR suite in Q4 2023/24.

A project group has been initiated to commence work on procurement of replacement interventional neurovascular suites. The case for replacement approved by CMG on 15th May 2023. This was followed by written confirmation of an Award of Funding to Cardiff & Vale University Health Board from Welsh Government Capital Management Group.

Executive Director Opinion and Key Issues to bring to the attention of the Board/Committee:

Recommendation:

The Committee are requested to: **Support** the proposal to replace the Biplane Interventional NeuroRadiology Equipment.

Link to Strategic Objectives of Shaping <i>Please tick as relevant</i>	our Fut	ture V	Vellbeing:			
1. Reduce health inequalities		6.	Have a planned care system where demand and capacity are in balance			x
2. Deliver outcomes that matter to people	x	7.	Be a great place to work and learn			
 All take responsibility for improving our health and wellbeing 		8.	8. Work better together with partners to deliver care and support across care sectors, making best use of our people and technology			
 Offer services that deliver the population health our citizens are entitled to expect 	X	9.	Reduce harm, was sustainably making resources available	g best e to u	use of the s	x
5. Have an unplanned (emergency) care system that provides the right care, in the right place, first time	X	10.	Excel at teaching, and improvement a environment where	and p	rovide an	
Five Ways of Working (Sustainable Dev Please tick as relevant	velopm	ent P	rinciples) considere	d		
Prevention x Long term x In	tegratio	on	Collaboration		Involvement	
Impact Assessment: Please state yes or no for each category. If yes	s please	provid	le further details.			
Risk: Yes Significant clinical risk if INR suite not repla	and Da	tailad	within the case			
Safety: Yes		lancu				
Significant patient safety risk if INR suite no	ot replac	ed. D	etailed within the cas	e.		
Financial: Yes	<u>-</u>					
Significant financial risk if INV suite not rep funded from WG capital equipment budget		nd pat	tients are transferred	to ext	ernal providers. C	ase
Workforce: No						
Legal: No						
Reputational: No						
Replacement of the equipment minimizes a service.	any ongo	oing re	eputational risk assoc	ciated	with non-delivery	of the
Socio Economic: No						
Equality and Health: No						
Decarbonisation: No						
Approval/Scrutiny Route:						
Committee/Group/Exec Date:						



Cardiff and Vale University Health Board Business Case

For revenue investment proposals greater than £75,000 All business cases must be submitted in line with the timescales outlined in Annex d

Title	Urgent Replacement Of Biplane Interventional NeuroRadiology Equipment
Clinical /Service Board or Department	Clinical Diagnostics and Therapeutics Clinical Board
Expected funding source (highlight/delete as appropriate)	Other (National Imagining Capital Programme)

Where a business case is in regards to external funding sources this template **must** be used unless the source of funding requires their own template to be used.

Approv	al and scrutiny route
Has this case been signed off by the Clinical Board / Corporate Departments senior team?	Clinical Board sign off 5 th May 2023
Has this case been signed off by the Clinical Board / Corporate Departments finance and workforce business partners?	Robert Gordan, Senior Finance Business Partner Workforce lead n/a
Clinical Boards: Has the COOs office signed off this document?	Please add name and signature of either COO
Corporate Departments: Has the relevant Executive sponsor signed off this document?	Executive sponsor - COO







Siemens Artis Q Biplane Interventional Rooms, Radiology, University Hospital of Wales

Interventional Radiology is a minimally invasive alternative to open surgery or medical intervention using fluoroscopy radiological guided imaging. The IR service at UHW supports patients who present with emergency and planned care, Vascular and Neuro requirements. The equipment was installed in November 2015 and are currently in the 8th year of operation. The maintenance contract is currently held with the OEM, Siemens.

Background

At the start of 2022, a series of equipment failures occurred in the Interventional Rooms, which impacted significantly on patient care and service delivery. The most significant was in May 2022 which was investigated as a Nationally Reportable Incident. The equipment stopped working midway through the deployment of a stent in a very complex neuro embolisation. Multiple equipment shutdown attempts were made and the downtime was approximately 20 minutes where imaging was not available. An undeployed stent was in the patient's cerebral artery for the downtime duration. The patient recovered but a few hours later had symptoms of expressive dysphasia and hemi paraesthesia as a result of a post procedure bleed. The NRI report detailed that the breakdown of the equipment may have contributed to this, however, it is a known complication of the procedure. The engineers attended the following day to repair the equipment.

Each time a fault occurred, it was logged with Siemens, resulting an engineer dialling in remotely or being sent to site to investigate and repair / replace parts when required. However, the faults ensued and there were occasions where a response from Siemens was delayed resulting in additional, unnecessary downtime.

A number of escalations were raised with Siemens due to the high volume of faults and service impact. In November 2022, a risk assessment was written and added to the Directorate Risk Register following the impact generated when a simultaneous breakdown of both Interventional rooms occurred. This has since been updated and added to the Clinical Board Risk Register.

The Directorate team and Clinical Leads met with the Siemens management team on Thurs 26th January 2023 to discuss the ongoing issues and develop a plan to improve the reliability of the equipment.

The clinical team shared the detail and impact of the faults and the acuity of the work that is undertaken in the Interventional rooms to help Siemens understand the level of risk associated with the ongoing issues. It was also explained that the numerous faults had resulted in reduced user confidence within Radiology and the wider organisation.

Siemens agreed a number of actions during this meeting:

- To send a National Expert to undertake health checks on both systems to determine the root cause of the issues.
- To review UHW site priority status on the Siemens Directory and mark it as high to improve response rates to reported faults (previously not marked as a priority).
- To provide the clinical teams access to Siemens' online portal / fault reporting system allowing them to easily report faults and access all engineer / service reports.
- To arrange quarterly meetings to review progress.
- To share our contract information.



Health check findings

The health checks took place on Sunday 5th Feb 2023 (006-AXA0045280 – NVA 2) and Saturday 26^{th} Feb 2023 (006-AXA0045290 – NVA 1). A meeting was held between Siemens and the Health Board on Thurs 6th April to discuss the final report.

The Siemens team shared the findings from each room and noted the excessive corrosion and rusting was found on both systems. The rust and corrosion on 006-AXA0045280 was noted to be worse than 006-AXA0045290. The report also noted evidence of corrosion on steel in other parts of the rooms such as power sockets and gas outlets.

Reference was made to the cleaning agent used to mop the floor in the rooms, which is a chlorinebased substance that becomes corrosive to steel when in contact with moisture or water. As the floors are cleaned each evening and left to dry, it was cited that this could be the cause of the corrosion, although this cannot be proven.

They also noted that non-approved potentiometers had been fitted in Feb 2021 when the service contract was held by a third party, which could lead to erroneous movement errors, loss of system movement and degraded PC/software performance. However, the non-approved potentiometers had not been noted at the pre-contract inspection check that had taken place prior to service contract recommencing with Siemens on 1st April 2021 nor during the multiple engineer visits to review faults or undertake planned preventative maintenance. These parts were replaced with Siemens approved potentiometers on both systems during the health checks at no charge.

The rust / corrosion and use of non-approved parts were quoted as the cause of the numerous faults that had been encountered.

Siemens advised that they will perform additional cleaning and lubrication as part of their maintenance protocols to reduce the risk of compromising mechanical movements but are unable to guarantee the future reliability of the systems. They believe that the systems have prematurely aged and that replacement equipment should be considered, having never encountered such a rapid deterioration in equipment before now.

Siemens considered cancelling their maintenance contract with immediate effect but agreed that they will honour their current maintenance contract obligations until 31st July 2024. However, they stated that they would not extend the contract beyond that time. It is unlikely that another provider would take on the maintenance contract, given the deteriorating state of the equipment and any agreement to do so would cause considerable concern for the operating teams, of their ability to maintain a viable machine that wouldn't be of detriment to patients. The risk of the operating unreliable equipment with no means of economical repair is untenable, leaving replacement as the only viable option.

A number of services would be significantly impacted by the loss or repeated failure of this equipment, with associated reputational and service delivery risks to the patients across Wales.

- Neuro interventional service
 - Patient transfer to Bristol at cost for the referral of each patient.
 - Poor service for patients presenting with sub arachnoid haemorrhage or cerebral AVM, leading to permanent injury or worsening condition, resulting in poor patient outcomes and future healthcare costs.
 - The proposed introduction of a regional mechanical thrombectomy service at UHW would not be possible without these machines, disadvantaging patients in South Wales.

Wascular interventional service

 No major trauma service provision resulting in an inability to support acute polytrauma patients with intervention procures. Life and/or limb limiting.



- Regional vascular network service for South Wales would require reallocation to a centre that is able to meet the needs of these patients.
- Hepatology intervention would require referral for Bristol i.e. TIPPs, PTC etc.
- No provision for liver cancer patients for TACE treatments or hilar liver cancer patients with obstructions.
- Renal patients would not have support to site tunnelled lines resulting in a loss of treatment.
- Gynae referrals for uterine fibroids and advanced emergency post-partum bleeds would require reallocation to another centre.
- ERCP service would have no interventional back up so would not be able to facilitate complex procedures.
- Complex cancer biopsies would be impacted as they would not have access to interventional back up to arrest bleeding which is a known risk when undertaking complex biopsies.
- Urology referrals for complex cancer patients requiring stents would be impacted.
- Lack of support to deal with complex vascular access issues.
- PICC line insertion would be impacted. Recent activity demonstrated 105 PICC lines were inserted which treated septic patients and cancer patients for chemotherapy.

The availability and reliability of this equipment is key to providing the services above, but prolonged loss of this equipment would have wider consequences on tertiary services, some of which are not provided elsewhere in Wales. In addition, the potential loss of interventional workforce if these services can no longer be provided would be catastrophic in terms of their re-establishment.

Actions To Date

- Project group initiated to commence work on a re-procurement, including engagement with Capital & Estates, and Procurement
- Sub group established to investigate the causation of the corrosion within the interventional radiology suites.
- Risk assessments updated and escalated
- Group established to review all equipment care across services in Cardiff and Vale UHB to ensure lessons are learnt and a revised quality management approach is developed

The scheme will cost £7.2M.

The case for replacement approved by CMG on 15th May 2023. This was followed by written confirmation of an Award of Funding to Cardiff & Vale University Health Board from Welsh Government Capital Management Group.

Timeline For Replacement

The timeframe by which these need to be replaced is ambitious and requires engagement and decision-making at pace at all levels to keep the project on track to complete the sequential replacement by 30th June 2024. Typically, a supplier would require 9 months to build the equipment to order. This timeframe is seeking a quicker response. The service is about to embark on the supplier evaluation process, with the aim of replacement the first IR suite in Q4 2023/24.

Due to the limited timeframes and scope of this project, the ask of the preferred supplier will deliver a 'turn key' solution, minimising the work required by the Capital & Estates team.



Investment Group- Responsibilities for Case Submission

Business Case Lead develops case (value over £75k) and ensures sign off by finance and workforce partners and Clinical Board or Corporate Team



Business Case Lead gains Exec Lead Sign off



Business Case Lead submits case in time for IG case submission date



corporate team any cases over £1m that will require Finance & Performance Committee and Board Approval with names of Business Case Lead and Exec Lead Strategic Planning Support Officer communicates decisions to Business Case Lead and Exec Lead following IG via the decision report



Strategic Planning Support Officer submits Decisions Report to Corporate Governance Team for SLB agenda 1 working day following IG meeting, attaching in full cases with value over £125k



Exec Lead communicates SLB decision to Business Case Lead

*Submission Deadlines:

- Board: 17 days before meeting.
- Finance & Performance Committee: 14 days before meeting.

Following SLB decision, **Corporate Governance Team** adds approved cases with value over £1m (as flagged by Head of Strategic Planning) to Committee/Board agendas, communicates paper submission deadlines* and sends templates to Business Case Lead



Business Case Lead submits case and cover paper to Finance & Performance Committee and Board

Exec Lead communicates Finance& Performance Committee and Board decision to Business Case Lead

Meeting	Contacts
Investment Group	Rhianydd France and Ashleigh O'Callaghan
Senior Leadership Board (SLB)	Tim Davies and Nikki Regan
Finance Committee/Board	Marcia Donovan and Nathan Saunders



Report Title:				Agenda Item no.	4.1	
Meeting:			Meeting Date:	20 th September 2023		
Status (please tick one only):	Assurance	х	Approval		Information)
Lead Executive: Executive Director of Finance						
Report Author (Title):	Deputy Director of Finance					
Main Report						
Background and cur	rent situation:					
SITUATION						
WHC (2023) 012 - V Return Guidance re						

Return Guidance requires the UHB to provide a main Committee of the Board with copy of the monthly Financial Monitoring Return (consisting of the Narrative, Table A and Tables C to C4) in order to provide the Committee with transparency on the submission made to the Welsh Government.

A copy of the August 23/24 MMR is attached.

Executive Director Opinion and Key Issues to bring to the attention of the Board/Committee:

The extract from the UHBs Monthly Financial Monitoring Return is provided for information and assurance.

Recommendation:

The Board / Committee are requested to:

NOTE the extract from the UHBs Monthly Financial Monitoring Return.

Link to Strategic Objectives of Shaping Please tick as relevant	our Fut	ure V	Vellbeing:			
1. Reduce health inequalities		6.	6. Have a planned care system where demand and capacity are in balance			
2. Deliver outcomes that matter to people		7.	Be a great place to	and learn		
3. All take responsibility for improving our health and wellbeing			8. Work better together with partners to deliver care and support across care sectors, making best use of our people and technology			
4. Offer services that deliver the population health our citizens are entitled to expect			 Reduce harm, waste and variation sustainably making best use of the resources available to us 			
 5. Have an unplanned (emergency) care system that provides the right care, in the right place, first time 10. Excel at teaching, researce and improvement and pro environment where innovations and improvement and pro environment where innovations and improvement and pro environment where innovations are specified. 				ovide an		
Five Ways of Working (Sustainable Development Principles) considered <i>Please tick as relevant</i>						
Prevention Long term x Int	tegratio	n	Collaboration		Involvement	
Impact Assessment:		·		-		

Please state yes or no for eac	h category. If yes please provide further details.
Risk: No	
Safety: No	
Financial: Yes	
As detailed above.	
Workforce: No	
Legal: No	
Reputational: Yes	
Yes, if forecast financial p	position is not delivered.
Socio Economic: No	
Equality and Health: No	
Decarbonisation: No	
Approval/Scrutiny Route:	
Finance Committee	Date: 20 th September 2023



THE WELSH GOVERNMENT FINANCIAL COMMENTARY

FINANCIAL POSITION FOR THE FIVE MONTH PERIOD ENDED 31st AUGUST 2023

INTRODUCTION

The Health Board submitted an initial draft financial plan to Welsh Government at the end of March 2023. The draft plan incorporated: -

- Brought forward underlying deficit of £40.3m
- Local Covid Consequential costs of £34.2m
- Additional energy costs of £11.5m
- 23/24 Demand and cost growth and unavoidable investments of £48.8m
- Allocations and inflationary uplifts of £14.4m
- A £32m (4%) Savings programme

This results in a 2023/24 planning deficit of £88.4m.

In line with guidance from Welsh Government, the UHB's plan anticipated Welsh Government funding for three National Inflationary Pressure costs as outlined below:

- 1) Health Protection including TTP and Immunisation costs of £8.8m
- 2) PPE cost of £2.9m.
- 3) The 2022/23 recurrent impact of paying Real Living Wage (RLW) for staff working within social care and Third Sector cost at £2.9m.

The plan assumes that the 2023/24 cost of the RLW, being paid to staff directly employed by the UHB will be funded through the 2023-24 pay award funding in addition to the £4.4m cost currently forecast in the social/third sector.

At month 5, the UHB is reporting an overspend of £42.827m. This is comprised of £4.667m unidentified savings, £1.327m of operational overspend and the planned deficit of £36.833m (five twelfths of the annual planned deficit of £88.4m set out in 2023/24 financial plan)





BACKGROUND

The Board agreed and submitted a draft financial plan to Welsh Government at the end of March 2023. A summary of the core draft plan submitted is provided in Table 1.

	2023/24 Plan £m
2022/23 Forecast Outturn	26.9
Adjustment for recurrent /non-recurrent items	13.4
2023/24 b/f underlying deficit	40.3
COVID local response / consequentials	34.2
Energy cost pressure	11.5
2023/24 Cost Pressures Inflation & Growth	43.8
Service Investments	5.0
Total Planned Deficit before Allocation Uplift and savings	134.8
2023/24 Allocation Uplift / Assumed Income	(14.4)
2023/24 Cost Improvement Ambition	(32.0)
Total Allocation Uplift and Planned Savings	(46.4)
2023/24 Planned Deficit	88.4

This represents the core financial plan of the Health Board.

These financial monitoring returns have been prepared within the framework of the UHB's submitted Core Financial Plan, which includes a planning deficit of £88.4m for 2023-24. This report details the financial position of the UHB for the period ended 31st August 2023.

The UHB has separately identified non COVID 19 and COVID 19 expenditure against its submitted plan in order to assess the financial impact of COVID 19.

A full commentary has been provided to cover the tables requested for the month 5 financial position.





MOVEMENT OF OPENING FINANCIAL PLAN TO FORECAST OUTTURN and UNDERLYING POSITION (TABLE A & A1)

Table A sets out the financial plan and latest position at month 4 for which the following should be noted:

- The UHB's £32m 2023/24 savings target is reported on lines 8 & 9
- The forecast position reflects the assessed COVID 19 national programme costs in Table B3 and assumes that additional Welsh Government Funding will be provided to match the costs;
- It is assumed that LTA inflation of £2.118m that will be passed to the UHB from other Health Boards;
- The bought forward underlying deficit is £40.3m as outlined in the draft financial plan.

The identification and delivery of the initial planned £32m recurrent savings target supported by additional recovery actions is key to delivery of the planned in year and underlying position.

OVERVIEW OF KEY RISKS & OPPORTUNITIES (TABLE A2)

Table A2 reflects the risks identified in the draft plan and these will be reviewed on a monthly basis.

ACTUAL YEAR TO DATE (TABLE B AND B2)

Table B confirms the year to date deficit of £42.827m and reflects the analysis contained in the annual operating plan in Table A. The UHB is reporting a deficit of £42.827m for the year to date and a forecast deficit of £88.400m as shown in Table 2.

Table 2: Summary Financial Position for the period ended 31st August 23

	Forecast	Forecast
	Month 5	Year-End
	Position	Position
	£m	£m
Planned deficit	36.833	88.400
Savings Programme	4.667	0.000
Operational position (Surplus) / Deficit	1.327	0.000
Financial Position £m (Surplus) / Deficit £m	42.827	88.400

The month 5 deficit of £42.827m comprised of the following:

- £36.833m planned deficit
- £4.667m savings gap
- £1.327m adverse variance against plan.

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Pressure on Achievement of Savings

The unachieved CRP gap at month 5 is expected to be recovered, supported by a number of additional actions as the year progresses, enabling the UHB to deliver its planned deficit position of £88.4m.

Executive Performance Reviews with the UHBs Clinical Boards are focussing on the management of operational pressures and progress in identifying and delivering recurrent savings schemes that in turn will de-risk the financial plan.

The following additional actions are progressing to recover the month 5 operational & CRP overspend to enable the UHB to deliver the planned \pounds 88.4m deficit:

		£000
Scheme	Theme	Opportunity
Limit catalogue for non clinial non pay expenditure	Procurement	1,000
Eliminate non clinical agency with exception process	Workforce	1,000
Eliminate non clinical overtime	Workforce	1,000
Enhanced vacancy review through Vacancy Scrutiny Panel/Workforce reshaping	Workforce	2,240
Eliminate clinical agency with exception process	Workforce	5,390
Eliminate clinical overtime with exception process	Workforce	3,570
Waiting list initiative management following Health Board rate card	Workforce	1,120
Rationalise study leave to the minimum required to meet regulatory requirements	Workforce	700
Actions to Deliver Planned Deficit £88.4m		16,020

Pressure on Operational Position

The UHB continues to face a significant challenge as it delivers services from an operational footprint that is still predominantly designed to address Covid demands and infection control.

In particular the UHB has experienced unprecedented demand for its Mental Health Services at a time when it has been difficult to source appropriately trained and experienced staff. This has manifested itself by way of increased numbers of patients requiring inpatient care combined with longer lengths of stay. The UHB's Mental Health Clinical Board had been required to expand its Psychiatric Intensive Care Unit from 6 beds to 10 as well as placing a number of patients, that would normally have been accommodated within the inpatient footprint, into out of area placements at premium cost. The Mental Health CB has worked to improve discharge and repatriate a number of the patients placed out of area, reducing this to one patient at the ned of August 2023.

The UHB provider plan was based on the national Directors of Finance Agreement that allowed a level of contract under-performance to a 5% reflecting the ongoing restricted ability of post Covid service footprints to restore activity to full per Covid levels. This had reduced from the 10% level

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which applied to Health Board LTAs and WHSSC LTAs in 2022-23. During June and July WHSSC informed the UHB that it would no longer comply with the DoF agreed arrangements and expected full restoration of pre Covid levels of activity. This has the effect of redistributing resource from Cardiff and Vale UHB to other commissioning health boards in Wales. The WHSSC Joint Committee supported this position, despite its inconsistency with the DoFs agreement and the 2022-23 contracting arrangements. This has had a £3m net impact on the UHB's contract income position after considering the Cardiff and Vale Commissioner benefits of his stance.

PAY & AGENCY (TABLE B2)

The UHB recorded Agency costs of £1.782m in month primarily due to nursing pressures. £1.226m of the costs recorded in August related to registered nursing and midwifery.

COVID 19 ANALYSIS (TABLE B3)

At month 5, Table B3 reported forecast outturn expenditure due to COVID-19 to be \pounds 13.064m. This includes expenditure related to the Covid funding for Health Protection (\pounds 8.800m), PPE (\pounds 2.400m) Long Covid (\pounds 1.144m), Anti-viral (\pounds 0.100m), and Nosocomial (\pounds 0.520m) allocations.

Year to date and forecast Covid Expenditure is summarised in Table 3 below.

	Month 5 £m	Forecast £m	Funded by	Variance to
			WG or Financial	Plan/Funding
			Plan £m	£m
Health Protection	3.350	8.800	8.800	0.000
PPE	0.805	2.500	2.500	0.000
Long Covid	0.477	1.144	1.144	0.000
Nosocomial	0.217	0.520	0.520	0.000
Anti-Viral	0.042	0.100	0.100	0.000
Sub Total WG Funded Covid Expenditure £m	4.890	13.064	13.064	0.000
Included in Financial Plan - COVID Local Response	13.093	31.200	34.200	(3.000)
Total COVID Expenditure £m	17.983	44.264	47.264	(3.000)

Table 3: Summary of Forecast COVID 19 Net Expenditure

The UHB forecast is in line with the anticipated Welsh Government COVID Funding totaling £13.064m.

Savings Programme 2023-24 (TABLE C, C1, C2, C3 & C4)

At month 5, the UHB had identified £36.481m of green, amber and red schemes to deliver against the initial planned savings target of £32m. Focus is now on turning all red schemes to green/amber which would result in £4.481m being realised to offset the operational deficit.

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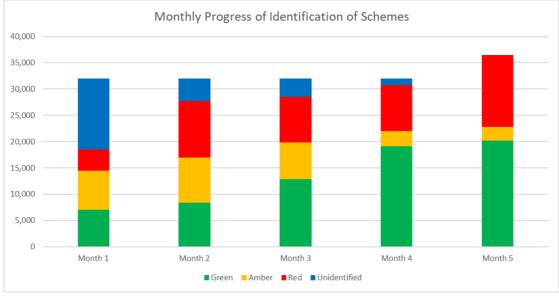


Overall performance in the identification of initial planned savings schemes is outlined in table 4 below:

Table 4: Savings Schemes

	Total	Total	Total
	Savings	Savings	Savings
	Target	Identified	(Unidentified)
	£m	£m	£m
Total £m	32.000	36.481	4.481

The table above includes green, amber and red schemes. Progress on the identification of schemes can be found in Graph 1 below.



Graph 1 – Progress of Identification of Schemes

The UHB will continue to identify and deliver savings schemes at pace.

In addition, as indicated earlier in the narrative, additional plans have been identified to recover the year to date position.

INCOME/EXPENDITURE ASSUMPTIONS (TABLE D)

The UHB progressed LTA discussions in line with the Welsh Government timetable.

The Welsh LTAs listed below have now been agreed through the UHBs governance framework and signed off:

- Aneurin Bevan
- Swansea Bay

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- Hywel Dda
- Powys
- Cwm Taf Morgannwg
- Velindre.

The WHSCC agreement has been forwarded to the Chief Executive for signature. In addition to this, a covering letter has been sent to WHSCC indicating that the UHB's plans to review the cost of delivery in respect of WHSCC services alongside the appropriateness of current currencies. This is aimed at ensuring the costs of delivery are appropriately recovered.

INCOME ASSUMPTIONS 2023/24 (TABLE E)

Table E outlines the UHB's 2023/24 resource limit.

Similar to practice in previous years, the UHB reported position continues to exclude recurrent expenditure which has arisen following a change in the accounting treatment of UHB PFI schemes under International Financial Reporting Standards (IFRS). The UHB is assuming that Welsh Government will continue to provide resource cover for this cost, which was assessed at £0.222m in the previous financial year.

The UHB assumes that the following pay awards actioned in 2023/24 will be fully covered by additional Welsh Government Funding:

- 1.5% 2022/23 consolidated increase
- 5.0% 2023/24 Pay Uplift

The draft financial plan assumes that the Directors of Finance agreement on LTAs is upheld by all parties in NHS Wales.

BALANCE SHEET - STATEMENT OF FINANCIAL POSITION (TABLE F)

The opening balances at the beginning of April 2023 reflect the closing balances in the 2022/23 Draft Accounts.

The increase in the carrying value of property, plant & equipment since the start of the year is largely due to the impact of annual indexation. The small decrease in the carrying value of these assets in month reflects depreciation charges.

Overall trade and other debtors increased by £1.5m in month largely due to movement in Welsh risk pool claims.

The carrying value of trade creditors decreased by £4.6m in August largely due to a decrease in the level of Cashbook payments not cleared.

CARING FOR PEOPLE KEEPING PEOPLE WELL



The forecast balance sheet reflects the UHB's latest non cash estimates and its anticipated capital funding.

MONTHLY CASHFLOW FORECAST (TABLE G)

The cash balance at the end of August was $\pounds 8.767$ m with a forecast deficit of $\pounds 100.888$ m at year end pending confirmation of cash support.

The UHB's working cash assumption for 2023-24 assumes coverage from Welsh Government for the following :-

- Movements in working capital from the 2022-23 Balance Sheet to be assessed as the year progresses.
- Additional 1.5% consolidated pay award (£11.5m) for which Resource cover was received from Welsh Government in 2022-23 but has been paid out in 2023-24 and requires cash support.
- Cash support for the £88.4m deficit of the UHB 2023-24 Financial Plan.

CAPITAL SCHEMES (TABLES I, J & K)

Of the UHB's approved Capital Resource Limit, 17% has been expended to date.

One capital scheme is currently classified as medium risk:

• Genomics - forecasting a potential £1.041m overspend. This is to be managed through the discretionary programme and is reflected in the 'Estates' line of the capital tables. The overspend is due to a number of factors including inflation, IT spec and the rerouting of drainage.

Eye Care – discussions are ongoing with DCHW in relation to the transfer of this service from C&V.

All other schemes are currently in line with the annual forecast. UHL infrastructure, Endoscopy, Genomics, Neuroradiology and Park View are all slightly behind plan year to date however these are currently still expected to deliver in 23/24.

Planned expenditure for the year reflects the CRL received from Welsh Government dated 1st September 2023 - £29.644m.





AGED WELSH NHS DEBTORS (TABLE M)

At the 31st August 2023 there was no invoices raised by the UHB against other Welsh NHS bodies which had been outstanding for more than 17 weeks.

PUBLIC SECTOR PAYMENT PERFORMANCE

The UHB achieved its Public Sector Payment Performance target with 97.47% being achieved cumulatively to-date.

The UHB has included the improvement of high volume and low value NHS invoices into its modernisation programme to find system improvements to ensure all four PSPP targets are met.

OTHER ISSUES

The financial information reported in these monitoring returns aligns to the financial details included within Finance Committee and Board papers. These monitoring returns will be taken to the 20th September 2023 meeting of the Finance Committee for information.

CONCLUSION

The UHB submitted a draft financial plan at the end of March 2023 and submitted a final plan at the end of May in line with the Welsh Government timetable.

The UHB is committed to achieving in year and recurrent financial balance as soon as possible.

At month 5, the UHB is reporting an overspend of \pounds 42.827m. This is comprised of \pounds 4.667m unidentified savings, \pounds 1.327m of operational overspend and the planned deficit of \pounds 36.833m (five twelfths of the annual planned deficit of \pounds 88.4m set out in 2023/24 financial plan)

Actions are in place to recover the month 5 position and deliver the planned £88.4m deficit.





Financial Monitoring Returns Month 5 2023/24

6.

SUZANNE RANKIN CHIEF EXECUTIVE

13th September 2023



. . . .

CATHERINE PHILLIPS EXECUTIVE DIRECTOR OF FINANCE

13th September 2023





Period : Aug 23

Table A - Movement of Opening Financial Plan to Forecast Outturn

This Table is currently showing 0 errors

Line 14 should reflect the corresponding amounts included within the latest IMTP/AOP submission to WG Lines 1 - 14 should not be adjusted after Month 1

	In Year	Non		FYE of															In Year
	Effect	Recurring	Recurring	Recurring		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	YTD	Effect
	£'000	£'000	£'000	£'000		£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
1 Underlying Position b/fwd from Previous Year - must agree to M12 MMR (Deficit - Negative Value)	-40,300	0	-40,300	-40,300	1	-3,358	-3,358	-3,358	-3,358	-3,358	-3,358	-3,358	-3,358	-3,358	-3,358	-3,358	-3,358	-16,792	-40,300
2 Planned New Expenditure (Non Covid-19) (Negative Value)	-94,523	0	-94,523	-94,523	2	-7,877	-7,877	-7,877	-7,877	-7,877	-7,877	-7,877	-7,877	-7,877	-7,877	-7,877	-7,877	-39,385	-94,523
3 Planned Expenditure For Covid-19 (Negative Value)	-13,465	-13,465			3	-521	-943	-1,235	-1,220	-1,194	-1,171	-1,146	-1,203	-1,208	-1,208	-1,167	-1,245	-5,114	-13,465
4 Planned Welsh Government Funding (Non Covid-19) (Positive Value)	12,305	0	12,305	12,305	4	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	5,127	12,305
5 Planned Welsh Government Funding for Covid-19 (Positive Value)	13,465				5	521	943	1,235	1,220	1,194	1,171	1,146	1,203	1,208	1,208	1,167	1,245	5,114	13,465
6 Planned Provider Income (Positive Value)	2,118	0	2,118	2,118	6	177	177	177	177	177	177	177	177	177	177	177	177	883	2,118
7 RRL Profile - phasing only (In Year Effect / Column C must be nil)	0	0	0	0	7	1,925	254	-61	97	-74	-6	-383	-358	-341	-341	-356	-355	2,141	0
8 Planned (Finalised) Savings Plan	14,042		9,944	10,813	8	665	808	1,093	935	1,106	1,038	1,415	1,390	1,390	1,390	1,405	1,404	4,608	14,042
9 Planned (Finalised) Net Income Generation	454	124	330	357	9	77	13	43	43	43	43	43	43	26	26	26	26	219	454
10 Planned Profit / (Loss) on Disposal of Assets	0	0	0	0	10													0	0
11 Planned Release of Uncommitted Contingencies & Reserves (Positive Value)	0	0			11													0	0
12	0	0			12													0	0
13 Planning Assumptions still to be finalised at Month 1	17,505	0	17,505	20,830	13		1,591	1,591	1,591	1,591	1,591	1,591	1,591	1,591	1,591	1,591	1,591	6,365	17,505
14 Opening IMTP / Annual Operating Plan	-88,400		-92,622	-88,400	14	-7,367		-7,367	-7,367	-7,367	-7,367	-7,367	-7,367	-7,367	-7,367	-7,367	-7,366	-36,833	-88,400
15 Reversal of Planning Assumptions still to be finalised at Month 1	-17,505	0	-17,505	-20,830	15	0	-1,591	-1,591	-1,591	-1,591	-1,591	-1,591	-1,591	-1,591	-1,591	-1,591	-1,591	-6,365	-17,505
16 Additional In Year & Movement from Planned Release of Previously Committed Contingencies & Reserves (Positive Value)	0	0			16													0	0
17 Additional In Year & Movement from Planned Profit / (Loss) on Disposal of Assets	0	0			17													0	0
18 Other Movement in Month 1 Planned & In Year Net Income Generation	173		173	290	18	0	-3	7	13	13	63	13	13	13		13	13	30	173
19 Other Movement in Month 1 Planned Savings - (Underachievement) / Overachievement	-484			-314	19	0	0	-383	-232	314	-48	-23	-23	-23		-23	-23	-300	-484
20 Additional In Year Identified Savings - Forecast	8,154	4,624	3,528	4,320	20	0	219	188	355	574	946	903	949	992	958	963	1,107	1,336	8,154
21 Variance to Planned RRL & Other Income	0	0			21													0	0
Additional In Year & Movement in Planned Welsh Government Funding for Covid-19 plus virements (Positive Value -	-400	-400				0	-231	23	23	-83	-59	-16	-49	-16	6	17	-15	-268	-400
22 additional)					22														
23 Additional In Year & Movement in Planned Welsh Government Funding (Non Covid) (Positive Value - additional)	0	0			23													0	0
24 Additional In Year & Movement Expenditure for Covid-19 (Negative Value - additional/Postive Value - reduction)	400	400			24	0	231	-23	-23	83	59	16	49	16	-6	-17	15	268	400
25 In Year Accountancy Gains (Positive Value)	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Net In Year Operational Variance to IMTP/AOP (material gross amounts to be listed separately)	29				26	-83	158	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	61	29
27 Additional savings to be identified	-4,699	-4,699		2,202	27	-1,446	298	576	229	-413	1,432	-889	-935	-978	-944	-949	-679	-756	-4,699
28 Roundings	0	0			28													0	0
29 Limit catalogue for non clinial non pay expenditure	1,000		1,000	1,000	29							167	167	167	167	167	167	0	1,000
30 Eliminate non clinical agency with exception process	400		400	400	30							67	67	67	67	67	67	0	400
31 Eliminate non clinical overtime	1,000		1,000	1,000	31							167	167	167	167	167	167	0	1,000
32 Enhanced vacancy review through Vacancy Scrutiny Panel	2,240		2,240	2,240	32							373	373	373	373	373	373	0	2,240
33 Eliminate clinical agency with exception process	4,302		4,302	4,302	33							717	717	717	717	717	717	0	4,302
34 Eliminate clinical overtime with exception process	3,570		3,570	3,570	34							595	595	595	595	595	595	0	3,570
35 Waiting list initiative management following Health Board rate card	1,120		1,120	1,120	35							187	187	187	187	187	187	0	1,120
36 Rationalise study leave to the minimum required to meet regulatory requirements	700	0	700	700	36							117	117	117	117	117	117		700
37	0	0			37													0	0
38	0	0			38 39													0	0
40 Forecast Outturn (- Deficit / + Surplus)	-88,400	4.051	-92.453	-88,400	40	-8.896	-8.287	-8.574	-8.597	-8.474	-6.570	-6.570	-6.570	-6.570	-6.570	-6.570	-6.155	-42.827	-88.400
40 Forecast Outlant (- Delicit /+ Surplus)	-00,400	4,051	-92,455	-00,400	40	-0,090	-0,207	-0,574	-0,597	-0,4/4	-0,570	-0,570	-0,570	-0,570	-0,570	-0,570	-0,155	-42,021	-00,400
41 Covid-19 - Forecast Outturn (- Deficit / + Surplus)	0	Ι			41	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Operational - Forecast Outturn (- Deficit / + Surplus)	-88,400	ī			42	-8.896	-8.287	-8.574	-8.597	-8.474	-6.570	-6.570	-6.570	-6.570	-6.570	-6.570	-6.155	-42.827	-88,400
	-00,400				42	-0,030	-0,207	-0,374	-0,037	-0,474	-0,070	-0,570	-0,070	-0,070	-0,070	-0,070	-0,105	-+2,021	-30,400



Period: Aug 23

Table C - Identified Expenditure Savings Schemes (Excludes Income Generation & Accountancy Gains)

This Table is currently showing 1 errors

Some errors will be resolved when complete rows have data or associated tables are completed

		1	2	3	4	5	6	7	8	9	10	11	12	Total YTD	Full-year	YTD as %age of FY	Asses	sment	Full In-Ye	ear forecast	Full-Year E
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar		forecast	YTD variance as %age of YTD	Green	Amber	non recurring	recurring	of Recurri Savings
		£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000				£'000	£'000	£'000	£'000	£'000
1 CHC and Funded Nursing	Budget/Plan	8	8	8	8	8	8	8	8	8	8	8	8	42			100	()		i 🗕 —
² Care	Actual/F'cast	8	27	30	53	68	86	103	124	124	124	129	134	187		18.43%	700	313	3 105	908	í 🖵
3	Variance	0	19	22	45	60	78	95	116	116	116	121	126	i 145		348.11%	600	313	3		i —
L .	Budget/Plan	7	7	19	19	19	19	19	19	19	19	19	19	71	204		204	(
Commissioned Services	Actual/F'cast	7	7	19	19	19	19	19	19	19	19	19	19	71	204	34.51%	204	(125	79	
	Variance	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0.00%	0	()		i 🗌 👘
Medicines Management	Budget/Plan	185	93	226	167	168	245	206	207	207	207	222	222	839	2,355		2,355	()		
(Primary & Secondary	Actual/F'cast	185	104	217	215	346	393	362	362	400	371	386	424	1,067	3,764	28.34%	3,764	() 799	2,965	
	Variance	0	11	(9)	48	178	148	155	155	193	164	164	202	227	1,409	27.09%	1,409	()		
D	Budget/Plan	214	226	383	283	428	283	268	268	268	268	268	268	1,536	3,425		3,425	()		
11 Non Pay Actu	Actual/F'cast	214	257	344	344	589	328	373	398	403	398	398	402	1,748	4,449	39.29%	4,305	144	3,516	930	
	Variance	0	30	(39)	61	160	45	105	130	135	130	130	135	212	1,023	13.82%	879	144	1		i 🗖
3	Budget/Plan	251	474	457	457	482	482	913	888	888	888	888	887	2,121	7,957		7,957	()		i —
4 Pay	Actual/F'cast	251	633	287	425	970	1,106	1,436	1,411	1,411	1,411	1,411	1,507	2,565	12,256	20.93%	10,530	1,726	6 4,052	8,205	
5	Variance	0	159	(170)	(32)	487	624	522	522	522	522	522	620) 444	4,299	20.94%	2,573	1,726	5		1
6	Budget/Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0)		i 📃
Primary Care	Actual/F'cast	0	0	3	3	3	3	3	3	3	3	3	3	8	25	30.00%	25	() 0	25	
. S.	Variance	0	0	3	3	3	3	3	3	3	3	3	3	8	25		25	()		i 🛏
9 8 6 6	Budget/Plan	665	808	1,093	935	1,106	1,038	1,415	1,390	1,390	1,390	1,405	1,404	4,608	14,042		14,042				i 🗖 🚽
D Total	Actual/F'cast	665	1,027	899	1,059	1,100	1,936	2,296	2,317	2,360	2,325	2,345	2,489			26.00%	19,528	2,183	8,597	13,112	
	Variance	000	219	(195)	1,003	888	897	881	927	970	935	940	1,085			22.49%	5,487	2,183		10,112	
	Vananoo	0	215	(195)	124	000	031	001	321	310	300	540	1,000	1,030		22.43/0	5,407	2,100			
(~). (~). (~).	2 Variance in month In month achievement against FY	0.00%	27.05%	(17.79%)	13.22%	80.34%	86.43%	62.23%	66.64%	69.73%	67.24%	66.88%	77.26%	22.49%							
Xo	3 forecast	3.06%	4.73%	4.14%	4.88%	9.19%	8.92%	10.57%	10.67%	10.87%	10.71%	10.80%	11.46%								

Period : Aug 23

Table C1- Savings Schemes Pay Analysis

		1	2	3	4	5	6	7	8	9	10	11	12			YTD as %age of FY	Assess	sment	Full In-Ye	ear forecast	
	Month	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total <u>YTD</u>	Full-year forecast	YTD variance as %age of YTD Budget/Plan	Green	Amber	non recurring	recurring	Full-Year Efl of Recurrin Savings
		£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000				£'000	£'000	£'000	£'000	£'000
	Budget/Plan	245	92	195	195	195	195	626	626	626	626	626	625	922	4,873		4,873	0			
Changes in Staffing Establishment	Actual/F'cast	245	237	181	196	280	284	727	727	727	727	727	724	1,140	5,782	19.71%	5,782	0	936	4,847	4
3	Variance	0	145	(14)	1	85	89	101	101	101	101	101	99	218	909	23.60%	909	0			
L.	Budget/Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	C			
Variable Pay	Actual/F'cast	0	0	0	9	6	130	130	130	130	130	130	130	15	928	1.59%	328	600	928	0	
	Variance	0	0	0	9	6	130	130	130	130	130	130	130	15	928		328	600			
	Budget/Plan	0	0	0	0	25	25	25	0	0	0	0	0	25	75		75	C			
Locum	Actual/F'cast	0	0	8	21	41	46	46	21	21	21	21	21	70	263	26.46%	263	0	180	83	
	Variance	0	0	8	21	16	21	21	21	21	21	21	21	45	188	178.63%	188	0			
	Budget/Plan	0	376	237	237	237	237	237	237	237	237	237	237	1,087	2,746		2,746	0			
Agency / Locum paid at a premium	Actual/F'cast	0	376	66	165	595	492	492	492	492	492	492	492	1,201	4,646	25.86%	3,558	1,088	1,600	3,046	
	Variance	0	0	(171)	(72)	358	255	255	255	255	255	255	255	115	1,900	10.54%	812	1,088			
	Budget/Plan	0	0	19	19	19	19	19	19	19	19	19	19	57	190		190	C			
Changes in Bank Staff	Actual/F'cast	0	0	19	19	19	19	19	19	19	19	19	19	57	190	30.00%	190	C	0	190	
	Variance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0	C			
	Budget/Plan	6	6	6	6	6	6	6	6	6	6	6	6	30	73		73	C			
Other (Please Specify)	Actual/F'cast	6	20	12	16	29	135	22	22	22	22	22	121	82	447	18.45%	409	38	408	39	
	Variance	0	14	6	10	22	129	16	16	16	16	16	115	53	374	175.49%	336	38			
	Budget/Plan	251	474	457	457	482	482	913	888	888	888	888	887	2,121	7,957		7,957	C			
Total	Actual/F'cast	251	633	287	425	970	1,106	1,436	1,411	1,411	1,411	1,411	1,507	2,565	12,256	20.93%	10,530	1,726	4,052	8,205	
	Variance	0	159	(170)	(32)	487	624	522	522	522	522	522	620	444	4,299	20.94%	2,573	1,726			

Table C2- Savings Schemes Agency/Locum Paid at a Premium Analysis

		1	2	3	4	5	6	7	8	9	10	11	12			YTD as %age of FY	Asses	sment	Full In-Y	ear forecast	
	Month	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total <u>YTD</u>	Full-year forecast	YTD variance as %age of YTD					Full-Year Eff of Recurrin
		£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000			Budget/Plan	Green £'000	Amber £'000	non recurring £'000	recurring £'000	Savings £'000
Reduced usage of	Budget/Plan	0	376	237	237	237	237	237	237	237	237	237	237	1,087	2,746		2,746	0	D		
Agency/Locums paid at a	Actual/F'cast	C	376	66	165	595	492	492	492	492	492	492	492	1,201	4,646	25.86%	3,558	1,088	3 1,600	3,046	
premium	Variance	C	0 0	(171)	(72)	358	255	255	255	255	255	255	255	115	1,900	10.54%	812	1,088	3		
Non Medical for contract –	Budget/Plan	C	0 0	0	0	0	0	0	0	0	0	0	0	0	0		0	C)		
to long on tract	Actual/F'cast	C	0 0	0	0	0	0	0	0	0	0	0	0	0	0		0	C	0 0	0	
to on contract Va	Variance	C	0 0	0	0	0	0	0	0	0	0	0	0	0	0		0	C)		
0	Budget/Plan	C	0 0	0	0	0	0	0	0	0	0	0	0	0	0		0	C)		
Agency pay rate caps	Actual/F'cast	C	0 0	0	0	0	0	0	0	0	0	0	0	0	0		0	C	0 0	0	
Agency pay rate caps	Variance	C	0 0	0	0	0	0	0	0	0	0	0	0	0	0		0	C)		
53 9K	Budget/Plan	C	0 0	0	0	0	0	0	0	0	0	0	0	0	0		0	C)		
Other (Please Specify)	Actual/F'cast	C	0 0	0	0	0	0	0	0	0	0	0	0	0	0		0	C	0 0	0	
2.7	Variance	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0		0	C	D		
.0	Budget/Plan	C	376	237	237	237	237	237	237	237	237	237	237	1,087	2,746		2,746	C	D		
	Actual/F'cast	C	376	66	165	595	492	492	492	492	492	492	492	1,201	4,646	25.86%	3,558	1,088	3 1,600	3,046	
	Variance	C	0 0	(171)	(72)	358	255	255	255	255	255	255	255	115	1,900	10.54%	812	1,088	3		

Table C3- Savings Schemes SoCNE/SCNI Analysis

	Month	1	2	3	4	5	6	7	8	9	10	11	12	Total YTD	Full-year
	month	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar		forecast
		£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000		
1	Budget/Plan	251	474	457	457	482	482	913	888	888	888	888	887	2,121	7,957
2 Pay	Actual/F'cast	251	633	287	425	970	1,106	1,436	1,411	1,411	1,411	1,411	1,507	2,565	12,256
3	Variance	0	159	(170)	(32)	487	624	522	522	522	522	522	620	444	4,299
4	Budget/Plan	214	226	396	296	441	296	280	280	280	280	280	280	1,573	3,551
5 Non Pay	Actual/F'cast	214	257	356	357	601	341	386	411	416	411	411	415	1,785	
6	Variance	0	30	(39)	61	160	45	105	130	135	130	130	135	212	1,023
7	Budget/Plan	39	40	40	62	63	63	93	93	93	93	108	108	244	894
8 Primary Care Drugs	Actual/F'cast	39	40	78	92		219	211	211	249	211	226	264	489	
9	Variance	0	0	38	30	177	156	118	118	156	118	118	156	245	1,186
7	Budget/Plan	146	53	185	105	105	182	114	114	114	114	114	114	596	1,461
8 Secondary Care Drugs	Actual/F'cast	146	64	138	123	106	174	151	151	151	160	160	160	578	1,684
9	Variance	0	11	(47)	17	1	(8)	37	37	37	46	46	46	(18)	223
10	Budget/Plan	8	8	8	8	8	8	8	8	8	8	8	8	42	
11 CHC/FNC	Actual/F'cast	8	27	30	53	68	86	103	124	124	124	129	134	187	1,013
12	Variance	0	19	22	45	60	78	95	116	116	116	121	126	145	913
13	Budget/Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Primary Care Contractor	Actual/F'cast	0	0	3	3	3	3	3	3	3	3	3	3	8	25
15	Variance	0	0	3	3	3	3	3	3	3	3	3	3	8	25
16 Healthcare Services	Budget/Plan	7	7	7	7	7	7	7	7	7	7	7	7	33	79
17 Provided by Other NHS	Actual/F'cast	7	7	7	7	7	7	7	7	7	7	7	7	33	79
18 Bodies	Variance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Non Healthcare Services	Budget/Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Provided by Other NHS	Actual/F'cast	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Bodies	Variance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Other Private & Voluntary	Budget/Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	
23 Sector	Actual/F'cast	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Variance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Budget/Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Joint Financing & Other	Actual/F'cast	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Variance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Budget/Plan	665	808	1,093	935	1,106	1,038	1,415	1,390	1,390	1,390	1,405	1,404	4,608	14,042
29 Total	Actual/F'cast	665	1,027	899	1,059	1,994	1,936	2,296	2,317	2,360	2,325	2,345	2,489	5,644	21,711
30	Variance	0	219	(195)	124	888	897	881	927	970	935	940	1,085	1,036	7,670

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Table C4 - Tracker

	£'000	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total YTD	Full-year forecast	Non Recurring	Recurring	FYE Adjustment	Full-year Effect
	Month 1 - Plan	665	808	1,093	935	1,106	1,038	1,415	1,390	1,390	1,390	1,405	1,404	4,608		4,098	9,944	870	10,813
	Month 1 - Actual/Forecast	665	808	711	704	1,420	990	1,392	1,368	1,368	1,368	1,383	1,381	4,308	13,557	3,973	9,584	916	10,499
	Variance	0	0	(383)	(232)	314	(48)	(23)	(23)	(23)	(23)	(23)	(23)	(300)	N 1 1	(124)	(360)	46	(314)
Savings (Cash Releasing &	In Year - Plan	0	219	233	481	571	984	906	952	995	960	965	1,114	1,504		4,851	3,528	792	4,320
Cost	In Year - Actual/Forecast	0	219	188	355	574	946	903	949	992	958	963	1,107	1,336		4,624	3,528	792	4,320
Avoidance)	Variance	0	0	(44)	(126)	3	(39)	(3)	(3)	(3)	(3)	(3)	(6)	(168)	(227)	(227)	0	0	0
	Total Plan	665	1,027	1,326	1,417	1,677	2,023	2,321	2,342	2,385	2,351	2,371	2,517	6,112		8,949	13,472	1,662	15,134
	Total Actual/Forecast	665	1,027	899	1,059	1,994	1,936	2,296	2,317	2,360	2,325	2,345	2,489	5,644		8,597	13,112	1,707	14,820
	Total Variance	0	0	(427)	(358)	317	(87)	(26)	(26)	(26)	(26)	(26)	(29)	(468)	(711)	(351)	(360)	46	(314)
	Month 1 - Plan	77	13	43	43	43	43	43	43	26	26	26	26	219			330	27	357
	Month 1 - Actual/Forecast	77	(6)	34	40	38	38	38	38	21	21	21	21	182	382	124	258	99	357
	Variance	0	(19)	(9)	(4)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(37)	(72)	0	(72)	72	0
Net Income	In Year - Plan	0	16	16	16	18	68	18	18	18	18	18	18	67	245	0	245	45	290
Generation	In Year - Actual/Forecast	0	16	16	16	18	68	18	18	18	18	18	18	67	245	0	245	45	290
	Variance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Plan	77	28	60	60	61	111	61	61	45	45	45	45	286		124	575	72	647
	Total Actual/Forecast	77	10	50	56	56	106	56	56	40	40	40	40	249	627	124	503	144	647
	Total Variance	0	(19)	(9)	(4)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(37)	(72)	0	(72)	72	0
Accountancy	In Year - Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gains	In Year - Actual/Forecast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Variance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Month 1 - Plan	742	821	1,137	978	1,149	1,081	1,458	1,433	1,417	1,417	1,432	1,430	4,827	14,495	4,222	10,273	897	11,170
	Month 1 - Actual/Forecast	742	803	744	743	1,458	1,028	1,430	1,406	1,389	1,389	1,404	1,403	4,490	13,939	4,097	9,842	1,015	10,856
	Variance	0	(19)	(392)	(235)	309	(53)	(28)	(28)	(28)	(28)	(28)	(28)	(337)		(124)	(432)	118	(314)
	In Year - Plan	0	234	249	498	590	1,053	924	970	1,013	979	984	1,132	1,571	8,626	4,851	3,773	837	4,610
Total	In Year - Actual/Forecast	0	234	205	372	592	1,014	922	968	1,011	976	981	1,126	1,403	8,399	4,624	3,773	837	4,610
	Variance	0	0	(44)	(126)	3	(39)	(3)	(3)	(3)	(3)	(3)	(6)	(168)	(227)	(227)	0	0	0
	Total Plan	742	1,055	1,386	1,476	1,738	2,134	2,383	2,404	2,430	2,395	2,415	2,562	6,398	23,121	9,073	14,047	1,734	15,780
	Total Actual/Forecast	742	1,037	949	1,115	2,051	2,042	2,352	2,373	2,400	2,365	2,385	2,528	5,893	22,338	8,721	13,615	1,852	15,466
	Total Variance	0	(19)	(437)	(361)	312	(92)	(31)	(31)	(31)	(31)	(31)	(34)	(504)	(783)	(351)	(432)	118	(314)

Summary of Forecast Month 1 & In Year (£000's) - Green & Amber	Cash-Releasing Saving (Pay)	Cash-Releasing Saving (Non Pay)	Cost Avoidance	Savings Total	Income Generation	Accountancy Gains
Planned Care	544	986	5	1,535	115	0
Unscheduled Care	1,202	0	0	1,202	0	0
Primary and Community Care (Excl Prescribing)	293	170	0	463	0	0
Mental Health	65	227	0	292	0	0
Clinical Support	282	515	0	796	114	0
Non Clinical Support (Facilities/Estates/Corporate)	353	906	0	1,259	194	0
Commissioning	0	349	0	349	30	0
Across Service Areas	9,518	1,723	276	11,517	164	0
СНС	0	988	0	988	0	0
Prescribing	0	2,070	0	2,070	0	0
Medicines Management (Secondary Care)	0	1,239	0	1,239	10	0
Total	12,256	9,174	281	21,711	627	0
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Period : Aug 23

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Table G - Monthly Cashflow Forecast

	April £'000	Мау £'000	June £'000	July £'000	Aug £'000	Sept £'000	Oct £'000	Nov £'000	Dec £'000	Jan £'000	Feb £'000	Mar £,000	Total £,000
RECEIPTS													
1 WG Revenue Funding - Cash Limit (excluding NCL) - LHB & SHA only	130,987	98,095	141,605	109,120	100,470	110,970	87,110	97,549	116,879	82,644	80,294	30,477	1,186,20
2 WG Revenue Funding - Non Cash Limited (NCL) - LHB & SHA only	1,190	1,190	650	525	1,425	2,150	1,575	1,230	1,230	1,230	1,230	1,230	14,85
3 WG Revenue Funding - Other (e.g. invoices)	1,788	1,320	1,310	1,354	2,951	1,984	1,284	1,284	2,784	1,284	2,784	2,784	22,91
4 WG Capital Funding - Cash Limit - LHB & SHA only	10,000	2,500	0	943	(518)	1,985	3,495	2,685	2,500	2,500	3,000	3,590	32,68
5 Income from other Welsh NHS Organisations	40,222	35,616	39,767	40,658	45,593	35,888	33,860	43,755	34,800	34,481	43,681	42,140	470,46
6 Short Term Loans - Trust only													
7 PDC - Trust only													
8 Interest Receivable - Trust only													
9 Sale of Assets	0	0	0	0	0	0	0	0	0	0	0	0	
10 Other - (Specify in narrative)	4,032	13,939	6,310	11,994	8,870	7,301	13,367	9,381	7,113	13,690	7,064	10,818	113,87
11 TOTAL RECEIPTS	188,219	152,659	189,642	164,594	158,792	160,279	140,691	155,883	165,306	135,829	138,053	91,039	1,840,98
PAYMENTS													
12 Primary Care Services : General Medical Services	6,777	6,107	7,281	5,773	5,947	7,231	6,336	6,336	7,546	6,336	6,336	7,546	79,55
13 Primary Care Services : Pharmacy Services	280	177	134	115	106	134	160	160	320	640	320	320	2,86
14 Primary Care Services : Prescribed Drugs & Appliances	18,097	0	18,283	0	9,279	17,231	0	8,545	17,090	0	8,545	8,545	105,61
15 Primary Care Services : General Dental Services	2,061	2,268	2,301	2,397	2,459	2,228	2,310	2,310	2,310	2,310	2,310	2,310	27,57
16 Non Cash Limited Payments	1,870	1,850	1,928	1,998	1,976	1,962	1,930	1,930	1,930	1,930	1,930	1,930	23,16
17 Salaries and Wages	65,920	69,595	79,720	74,501	70,537	67,788	67,886	67,869	67,525	67,706	68,674	68,119	835,84
18 Non Pay Expenditure	86,046	71,140	75,762	78,261	62,587	59,672	64,568	66,049	66,084	54,404	46,940	103,570	835,08
19 Short Term Loan Repayment - Trust only													
20 PDC Repayment - Trust only													
21 Capital Payment	7,201	852	2,602	1,990	486	2,190	3,500	2,685	2,500	2,500	3,000	3,587	33,09
22 Other items (Specify in narrative)	339	123	659	53	144	609	0	0	0	0	0	0	1,92
23 TOTAL PAYMENTS	188,592	152,112	188,671	165,087	153,522	159,045	146,691	155,884	165,305	135,827	138,054	195,928	1,944,71
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24 Net cash inflow/outflow	(373)	547	971	(493)	5,270	1,234	(6,000)	(1)	1	3	(2)	(104,889)	
25 Balance b/f	2,846	2,473	3,019	3,990	3,498	8,768	10,002	4,002	4,001	4,002	4,004	4,003	
26 Balance c/f	2,473	3,019	3,990	3,498	8,768	10,002	4,002	4,001	4,002	4,004	4,003	(100,886)	
25 Balance b/f 26 Balance c/f ····································													