

Support & Delivery Research Funding & Financial Analysis in NHS Wales – 2018/19

Funding & Finance Business
Intelligence Report

Version 1.0

28 June 2019

How to use this business intelligence report (1)

This slide is part of the explanatory notes for the Support & Delivery Research Funding & Financial Analysis in NHS Wales – Funding & Finance business intelligence report 2018/19

These notes are to be used in conjunction with the following slides

Business Intelligence report – slide layout

Title: concisely describes the data or information being conveyed.

Explanation: describes the data or information being conveyed in more detail than the title.

This may include items of note or caveats to explain the reasons for inclusion or exclusion of certain data or information.

Data source: describes the data or information source used to obtain data for interrogation or manipulation.



Title

Explanation including any items of note

Data source

Visual representation of the data or information

Visual representation: a visual (graphical or tabular) representation of the data following interrogation or manipulation.

Note: Any additional information included with the visual representation is intended to further explain the visual.

Terminology, definitions and assumptions

This slide is part of the explanatory notes for the Support & Delivery Research Funding & Financial Analysis in NHS Wales – Funding & Finance business intelligence report 2018/19

These notes are to be used in conjunction with the following slides

NHS Organisations

The NHS organisation names used in this report are those up to 31 Mar 2019. Where the organisation names are abbreviated, they are usually abbreviated as follows:

	NHS Organisation
ABM	Abertawe Bro Morgannwg University Health Board
AB	Aneurin Bevan University Health Board
BC	Betsi Cadwaladr University Health Board
CV	Cardiff and Vale University Health Board
CT	Cwm Taf University Health Board
HD	Hywel Dda University Health Board
PT	Powys Teaching Health Board
PHW	Public Health Wales
VNHST	Velindre University NHS Trust
WAST	Welsh Ambulance Services NHS Trust

Support & Delivery Centre

The Support & Delivery centre provides national functions commissioned by Welsh Government and national research study support in partnership with NHS organisations

Local Support & Delivery Funding

This is the allocation provided to NHS organisations to support their research management and delivery activities each year. The model to date has been based on activity in previous years being used as a proxy to indicate future need.

Health and Care Research Wales grant funding

This is funding provided for specific grant schemes for researchers, for example Research for Patient and Public Benefit (RfPPB)

Research Directory

The following Health and Care Research Wales Directory categories are used in the report.

Classification	Definition
Portfolio	Non commercial High-quality, non-commercial research studies that meet defined eligibility criteria for: - Source of funding; - Open competition; and - High quality peer review.
	Commercial Commercial contract research studies that are industry funded and industry sponsored.
Non-Portfolio	 Research studies that do not meet the portfolio eligibility criteria. This includes 'Pathway to Portfolio'.
	Pathway to Portfolio Research studies with Health and Care Research Wales funded activities undertaken to inform the development of a portfolio study or a grant application for a portfolio study.

Primary Care Research Incentive Scheme (PiCRIS)

The PiCRIS financial award for GP practices is dependent on certain criteria. The levels range from Affiliate to Level 2+

Terminology, definitions and assumptions

This slide is part of the explanatory notes for the Support & Delivery Research Funding & Financial Analysis in NHS Wales – Funding & Finance business intelligence report 2018/19

These notes are to be used in conjunction with the following slides

Definition of management, admin and delivery costs

For the purposes of the financial analysis, the following definitions have been used:

‘Management’ classed as any post or function/ service that manages and facilitates the research process.

‘Administration’ classed as posts carrying out admin tasks, without any mention of delivery (as reported within annual returns) (includes admin posts in the Support & Delivery Centre)

‘Delivery’ classed as any post that has patient contact or is undertaking study related procedures (including supporting services)

Analysis for radiology studies

Analysis on studies that involve ionising radiation has included any study that has ticked the appropriate box in IRAS. However, this means that studies could involve ionising radiation only as part of standard care. There is currently no way to differentiate between specific research related ionising radiation and standard care without reviewing individual study protocols, which has not been possible for this analysis.

Research Study Categories

The following complexity band have been used when categorising research studies. These bands differentiate between study complexity and their associated costs.

Complexity band	Definition
Interventional studies	A study where the participants’ exposure to a particular intervention (e.g. care pathway or lifestyle) is influenced by participating in the study (e.g. whether or not a participant receives a particular treatment will be determined by the research protocol).
Observational studies	A study in which the participants’ lifestyle or care pathway is not affected by being part of the study (e.g. the investigator does not determine whether or not participants receive or do not receive a particular treatment).
Large sample studies	A study where the total UK planned sample size (throughout the lifetime of the study), is equal to, or greater than 10,000 participants. This can be an observational or interventional study, but the key factor to determine the band is the total planned sample (participant) size of the study.
Commercial studies	Commercial contract research studies that are industry funded and industry sponsored.

Contents

Investment of research related funding provided by Welsh Government*

**not including commercial income generated by the NHS organisations*

1. Funding to Support & Delivery
2. Local Support & Delivery Financial Analysis
3. Support & Delivery Centre funding

Section 1

Funding to Support & Delivery

- Local Support & Delivery allocations
- Primary Care Research Incentive Scheme (PiCRIS)
- Clinical Research Time Awards
- NHS Support Costs
- Excess Treatment Costs
- Learning & Development funds

Note:

- The activity data presented in this section includes data from the NHS organisation's financial annual returns for 2017/18 and 2018/19.

Summary of Support & Delivery funding

Distribution of Local Support and Delivery Funding, as derived through the Activity Based Funding Model for Wales, top sliced to fund the implementation of LPMS in 2018/19 and 2019/20.

Additional Support & Delivery funding was also provided in 2018/19 for specific needs identified by AB UHB and CT UHB.

Source:

Support and Delivery Centre Allocations data and financial annual return

NHS Organisation	2017/18	2018/19	2019/20
Abertawe Bro Morgannwg UHB	£2,741,747	£2,609,863	£2,404,307
Aneurin Bevan UHB	£1,108,753	£1,178,535	£1,444,536
Betsi Cadwaladr UHB	£2,156,736	£1,909,508	£1,611,219
Cardiff & Vale UHB	£5,640,721	£5,603,916	£5,510,535
Cwm Taf UHB	£1,029,340	£975,961	£1,473,592
Hywel Dda UHB	£934,825	£1,094,734	£995,699
Powys THB	£123,553	£112,949	£140,637
Public Health Wales	£209,713	£209,713	£209,713
Velindre NHS Trust	£896,201	£823,578	£779,489
Welsh Ambulance Service NHS Trust	£122,275	£122,275	£122,275
Centralised NHS Support Costs	£950,472	£1,180,904	£1,129,932
Local Portfolio Management System (LPMS)	£0	£92,400	£92,400
Total	£15,914,335	£15,914,335	£15,914,335
Support & Delivery Centre	£3,700,000	£3,700,000	£3,700,000

Funding Award	2017/18	2018/19	2019/20
CRTA	£335,464	£429,794	-
RfPPB	£907,135	£1,139,756	-
Specialty Leads	£306,740	£266,181	£263,135
P2P	-	£464,857	-
Total	£1,549,339	£2,300,588	£263,135

Additional Funding	2017/18	2018/19	2019/20
Aneurin Bevan UHB		£127,845	-
Cwm Taf UHB		£67,559	-
Total	£0	£195,404	£0

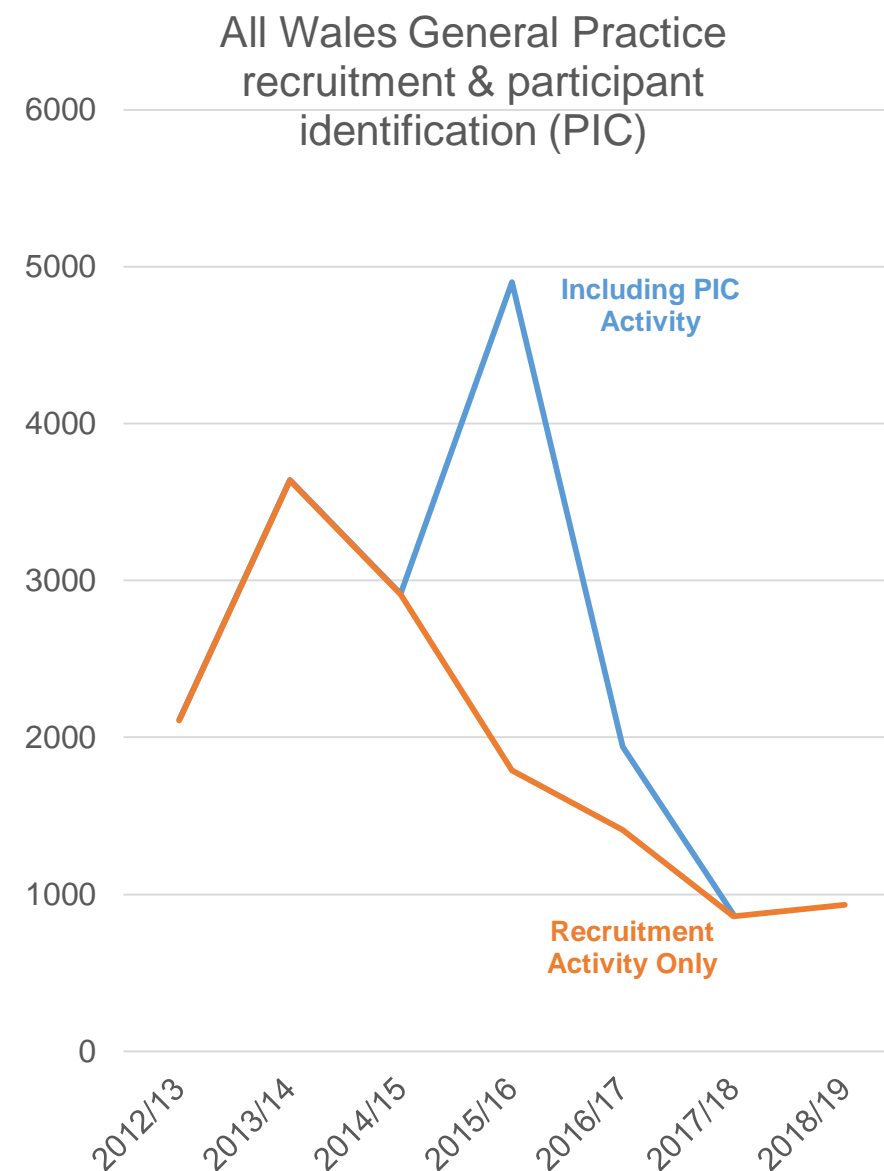
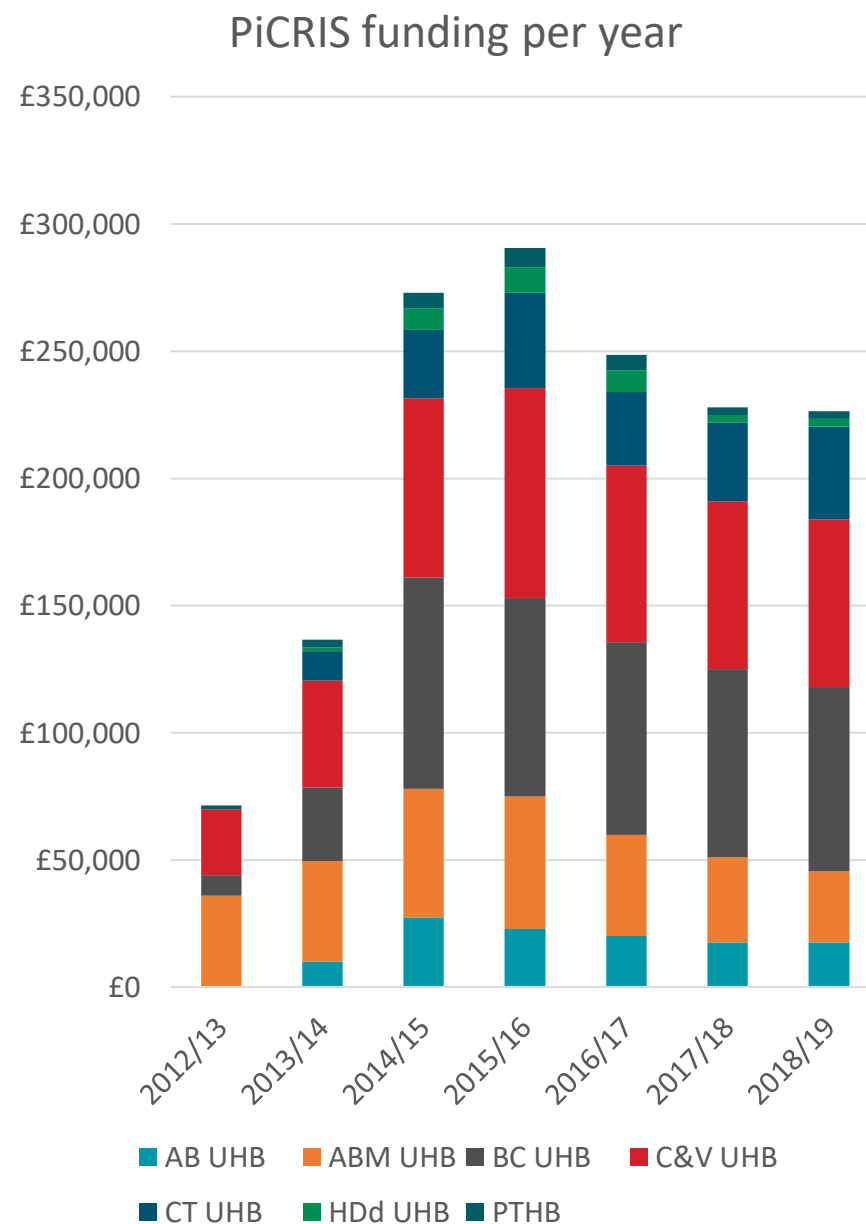
PiCRIS Funding to General Practices, Recruitment and PIC Activity at General Practices

This chart summarises the amount of funding provided to General Practices in Wales and the amount of recruitment and PIC activity from 2012/13 to 2018/19.

Note:

(PIC: Participant Identification Centres)

Source: ODP

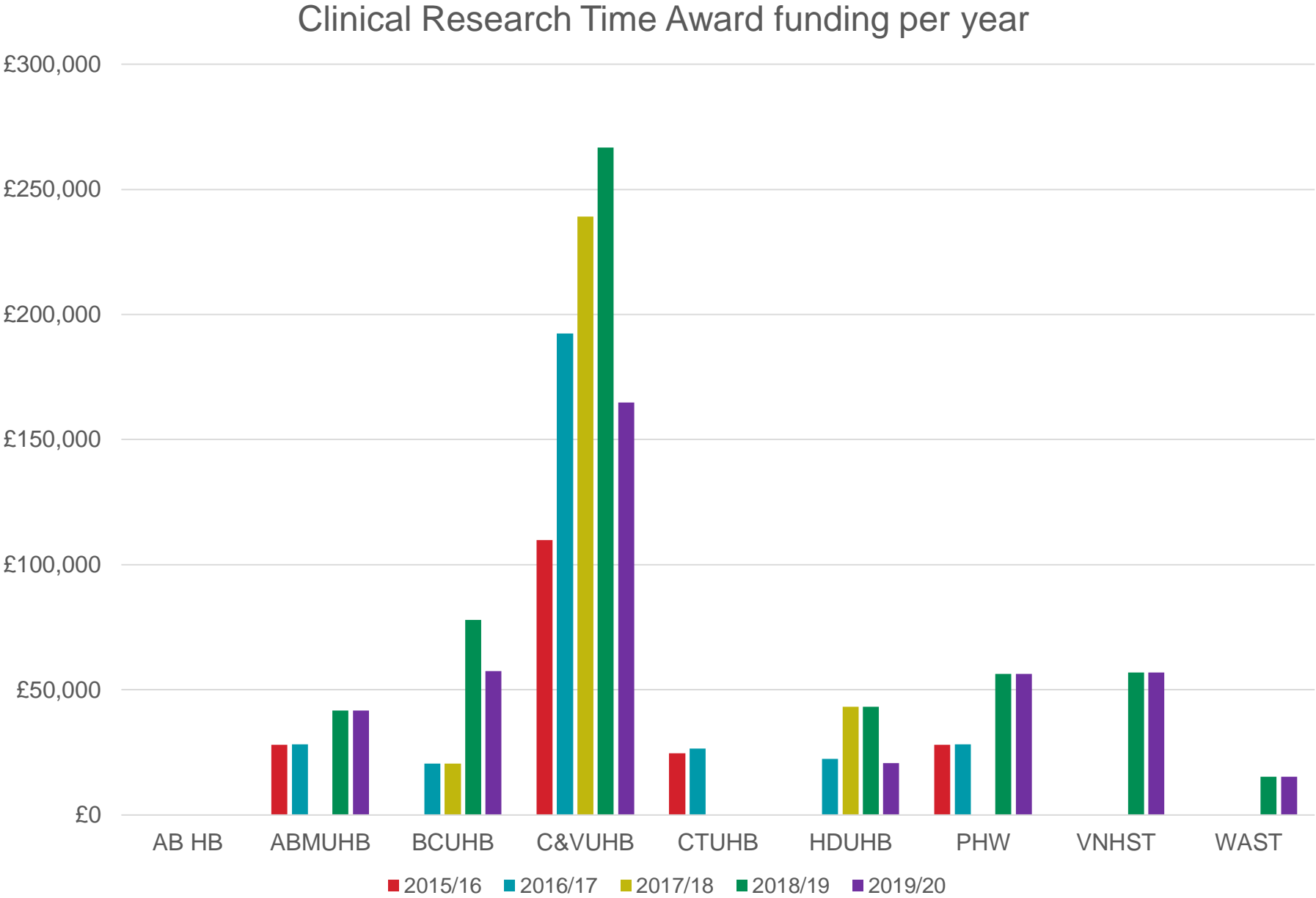


Clinical Research Time Award (CRTA) Funding 2015/16 – 2019/20

This chart summarises the amount of CRTA funding provided to NHS Organisations in Wales from 2012/13 to 2018/19.

Note:

Source:



Excess Treatment Cost and Support Cost spend

300k All Wales reduction due to WAST Support Costs and one ABM UHB high value ETC claimed in 2017/18 and not continued into 2018/19.

Note:

Please note that this chart currently includes additional organisations to NHS Organisations, the key for these are as follows:

Key

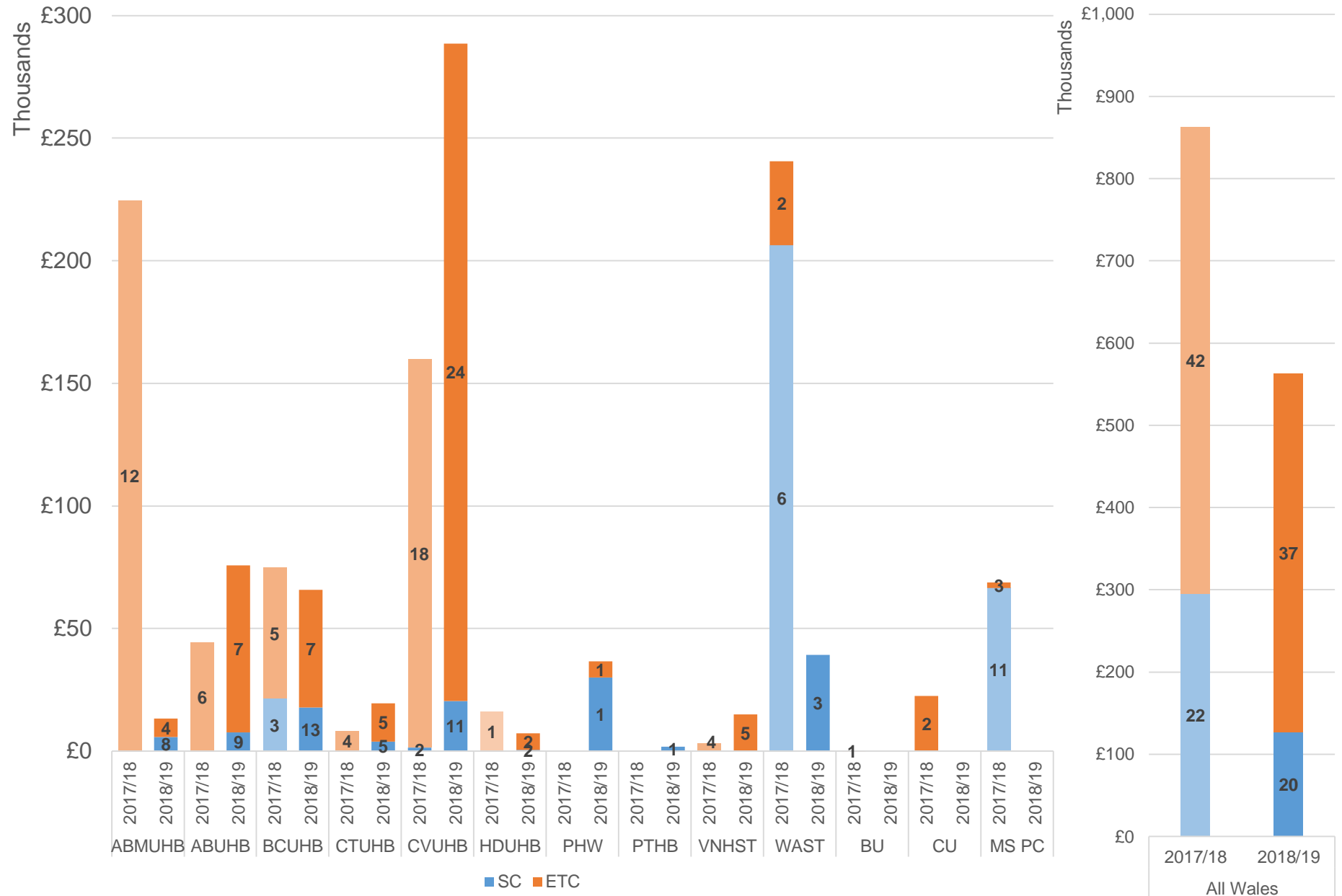
BU = Bristol Uni

MS PC – Multi Site Primary Care - MH * Unable to break costs down for 2017/18, 18/19 have been broken down by organisation.

CU – Cardiff Uni

Source:

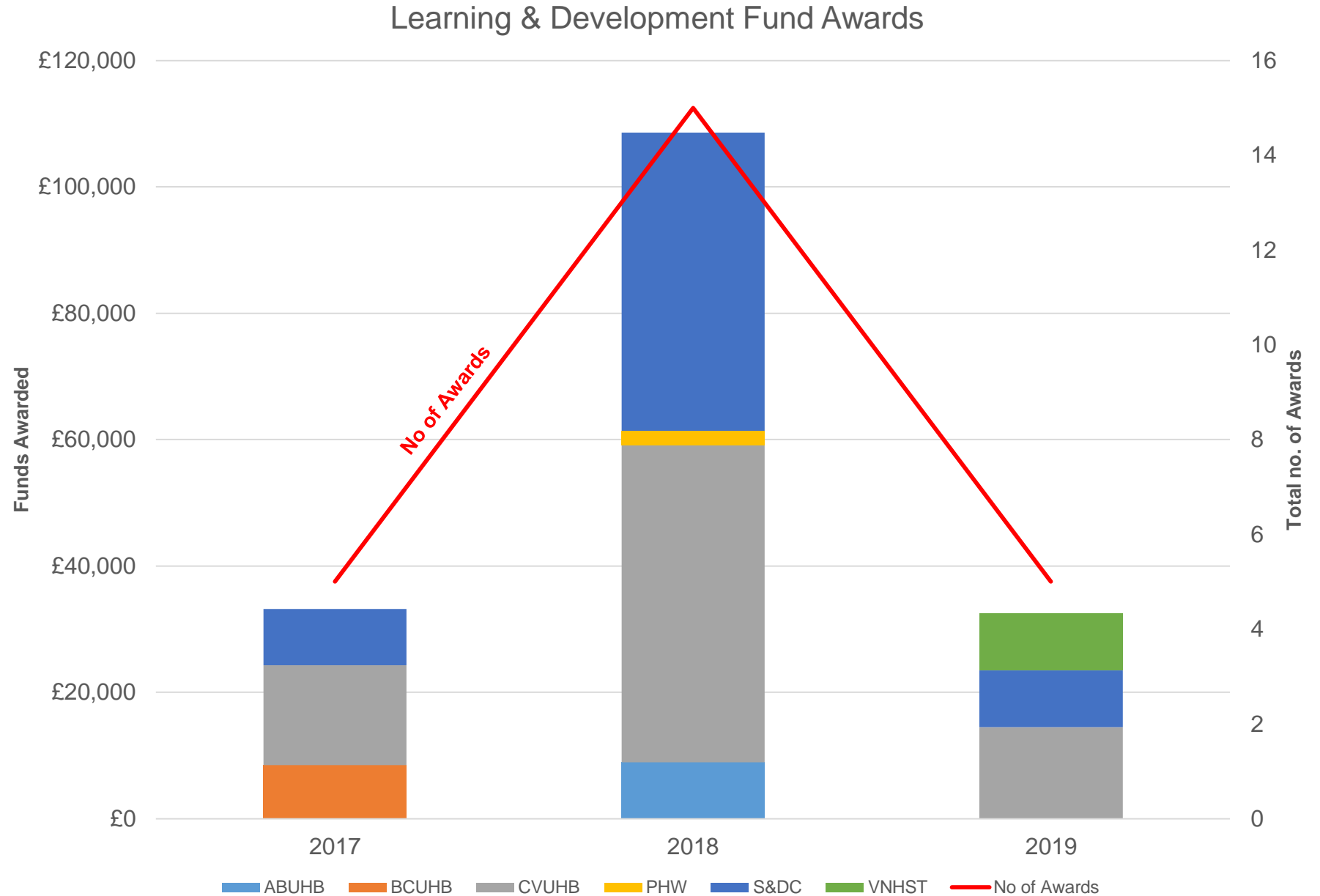
Support & Delivery Centre ETC/SC financial records



Learning & Development Awards 2017-2019

Summary of the amount of funding awarded to Support & Delivery staff from 2017-2019.

Source: S&DC Centre Learning & Development fund records



Section 2

Local Support & Delivery Financial Analysis

- Split of management, delivery and administration costs
- Delivery funding spend on:
 - Pharmacy
 - Radiology
 - Pathology
- Comparison of the per participant recruited figure per organisation
- Total development spend
- Cost recovery spend
- Analysis of research delivery WTE by staff bands

Note:

- The activity data presented in this section includes data from the NHS organisation's financial annual returns for 2017/18 and 2018/19.

Delivery, Management and Admin Costs

This chart shows the actual spend per NHS organisation on Delivery, Management, Admin costs for 2017/18 – 2018/19.

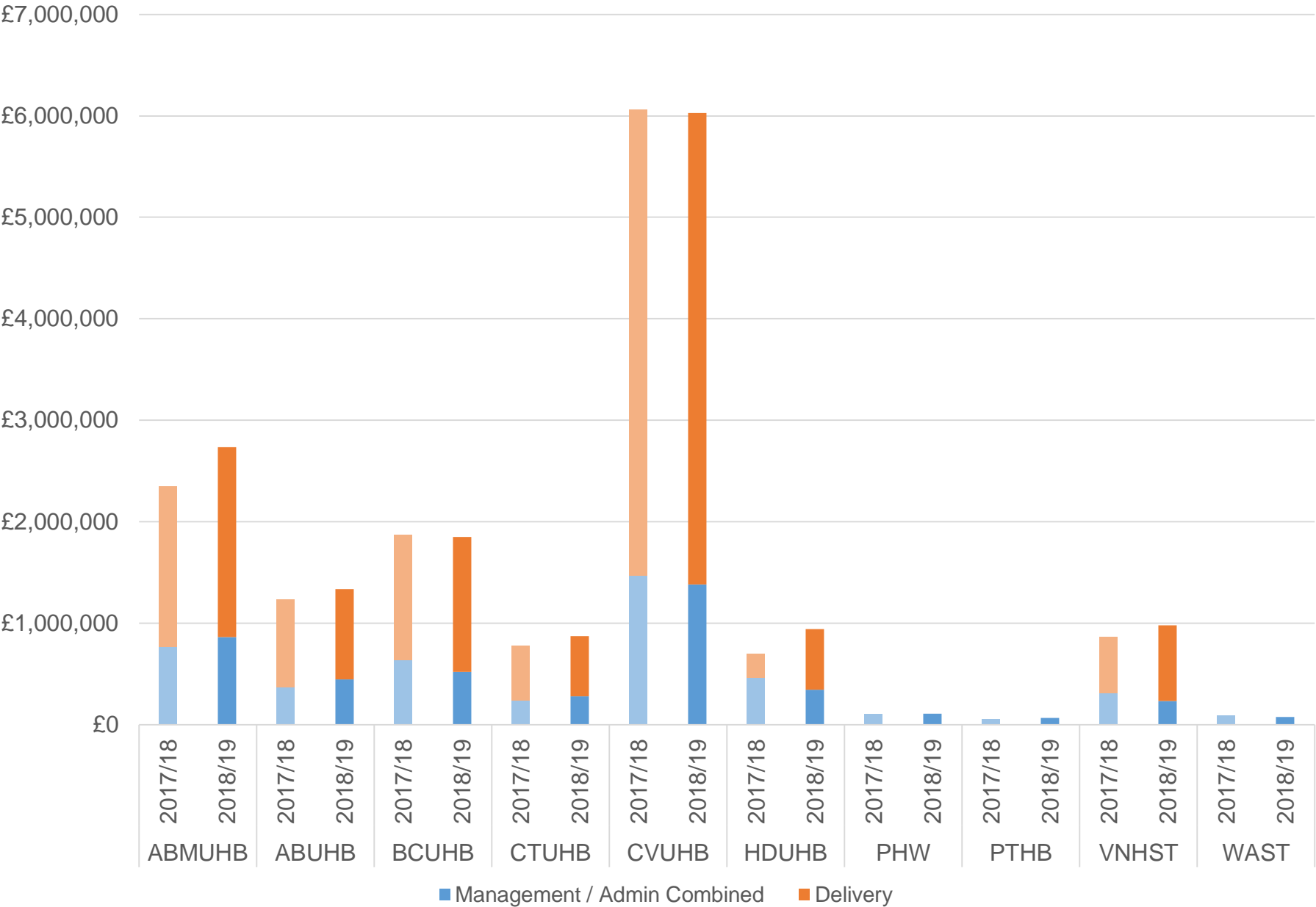
Note:

Delivery: Patient Contact or undertake study procedures (including supporting services)

Management: Manage/facilitate the research process

Admin: Admin tasks and no mention of delivery (as reported in Annual Returns)

Source: 2017/18, 2018/19 Annual Returns



Proportion of Delivery, Management and Admin Staffing Costs

This chart shows the proportion of Management, Delivery and Admin spend by each NHS organisation from 2017/18 to 2018/19.

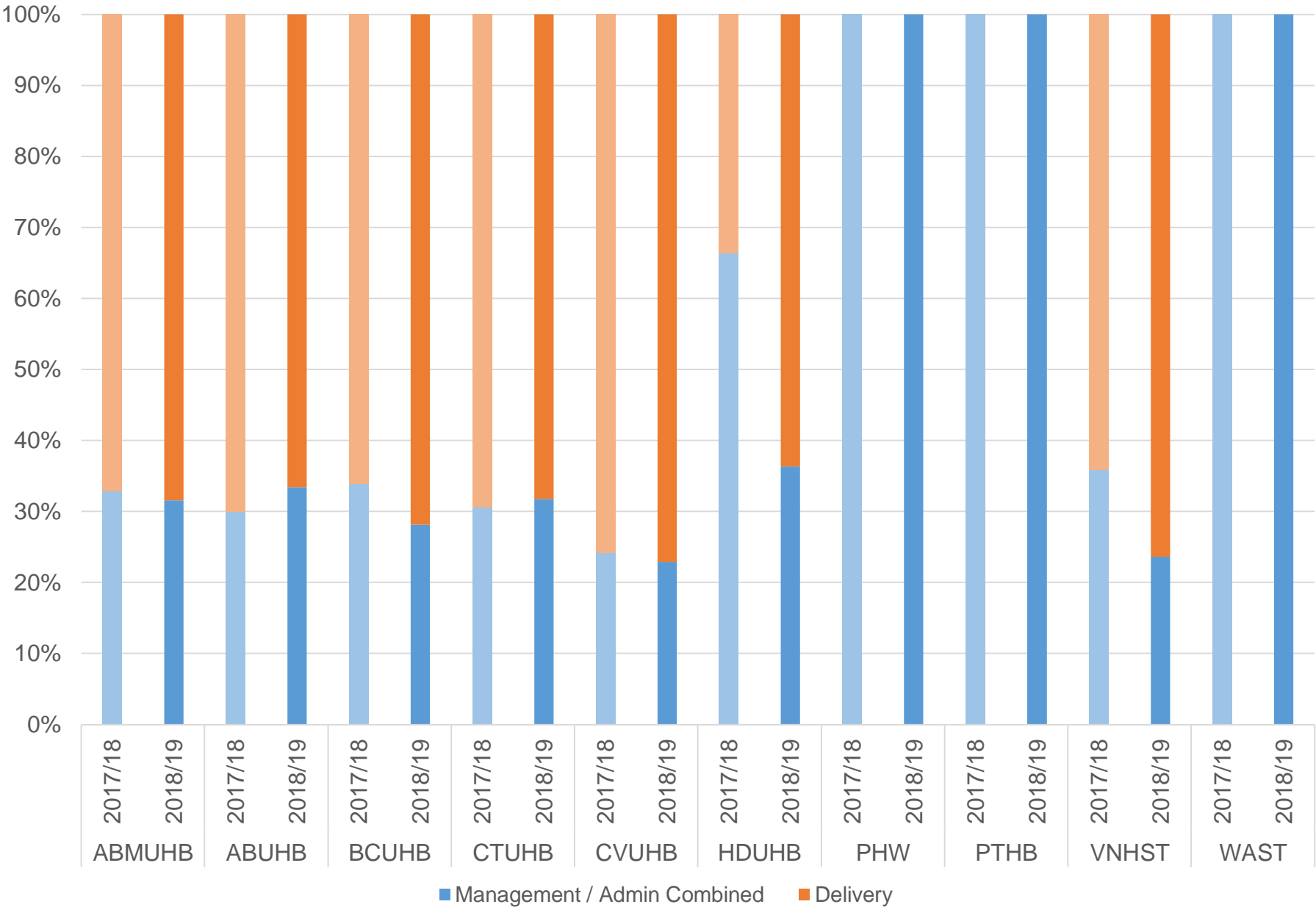
Note:

Delivery: Patient Contact or undertake study procedures (including supporting services)

Management: Manage/facilitate the research process

Admin: Admin tasks and no mention of delivery (as reported in Annual Returns)

Source: 2017/18, 2018/19 Annual Returns



Delivery, Management and Admin Staffing Costs 2018/19

This table shows the amount of spend per NHS organisation on Delivery, Management, Admin costs in 2018/19 in detail.

Note:

Delivery: Patient Contact or undertake study procedures (including supporting services)

Management: Manage/facilitate the research process

Admin: Admin tasks and no mention of delivery (as reported in Annual Returns)

Source: 2017/18, 2018/19 Annual Returns

	Management		Admin		Combined Management/Admin		Delivery		Directors & Deputy Directors	
	Posts that manage and facilitate the research process		Posts carrying out admin tasks, without any mention of delivery (as reported within annual returns)				Posts with patient contact or undertake study related procedures (including supporting services)			
	£	WTE	£	WTE	£	WTE	£	WTE	£	WTE
ABM UHB	£628,230	12.58	£235,271	9.63	£863,500	22.21	£1,868,643	51.24	£25,000	0.20
	23%	17%	9%	13%	32%	30%	68%	70%	0.92%	0.27%
AB UHB	£320,898	5.40	£125,576	5.10	£446,474	10.50	£888,998	27.89	£104,184	0.80
	24%	14%	9%	13%	33%	27%	67%	73%	7.80%	2.08%
BC UHB	£457,224	9.57	£63,387	4.63	£520,611	14.20	£1,327,983	38.67	£86,293	0.90
	25%	18%	3%	9%	28%	27%	72%	73%	4.67%	1.70%
C&V UHB	£933,156	17.24	£446,250	21.52	£1,379,405	38.76	£4,649,930	132.94	£102,254	0.70
	15%	10%	7%	13%	23%	23%	77%	77%	1.70%	0.41%
CT UHB	£234,716	6.05	£42,718	1.00	£277,434	7.05	£595,496	25.84	£23,921	0.20
	27%	18%	5%	3%	32%	21%	68%	79%	2.74%	0.61%
HD UHB	£240,969	7.70	£100,605	3.40	£341,574	11.10	£598,223	18.01	£36,766	0.30
	26%	26%	11%	12%	36%	38%	64%	62%	3.91%	1.03%
Powys THB	£64,159	1.50	£0	0.00	£64,159	1.50	£0	0.00	£8,924	0.20
	100%	100%	0%	0%	100%	100%	0%	0%	13.91%	13.33%
PHW	£106,955	2.80	£0	0.00	£106,955	2.80	£0	0.00	£35,226	0.30
	100%	100%	0%	0%	100%	100%	0%	0%	32.94%	10.71%
Velindre	£207,739	8.15	£23,439	1.10	£231,178	9.25	£747,667	40.73	£0	0.00
	21%	16%	2%	2%	24%	19%	76%	81%	0.00%	0.00%
WAST	£75,511	2.80	£0	0.00	£75,511	2.80	£0	0.00	£50,213	0.75
	100%	100%	0%	0%	100%	100%	0%	0%	66.50%	26.79%
All-Wales	£3,269,556	74	£1,037,245	46	£4,306,802	120	£10,676,940	335	£472,781	4
	22%	16%	7%	10%	29%	26%	71%	74%	3.16%	0.96%

Percentage Split of Delivery and Development Expenditure

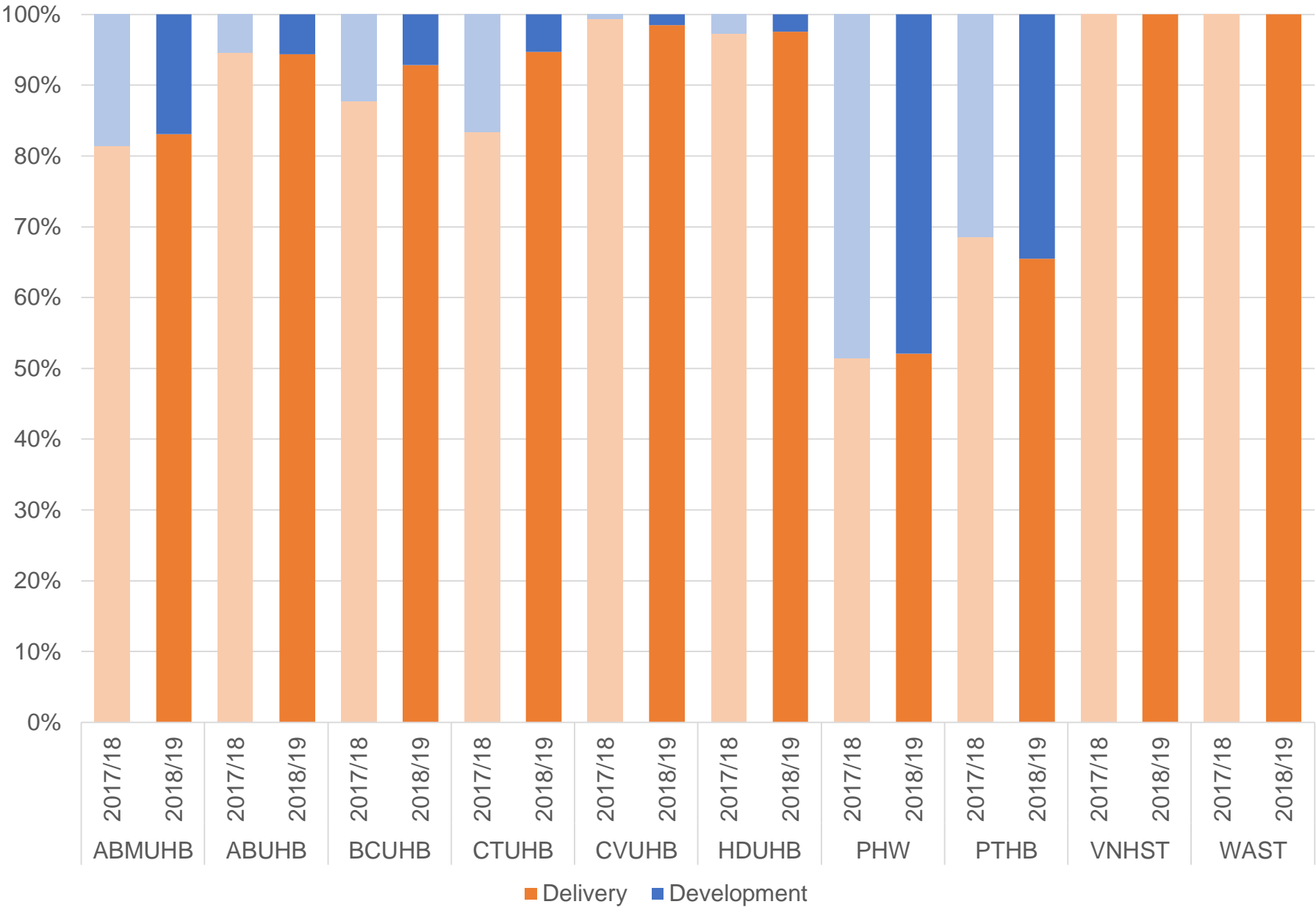
The chart shows the proportion of Delivery against Development spend by each NHS organisation from 2017/18 to 2018/19.

Note:

Delivery: Patient Contact or undertake study procedures (including supporting services)

Development costs are related to support grant development.

Source: 2017/18, 2018/19 Annual Returns



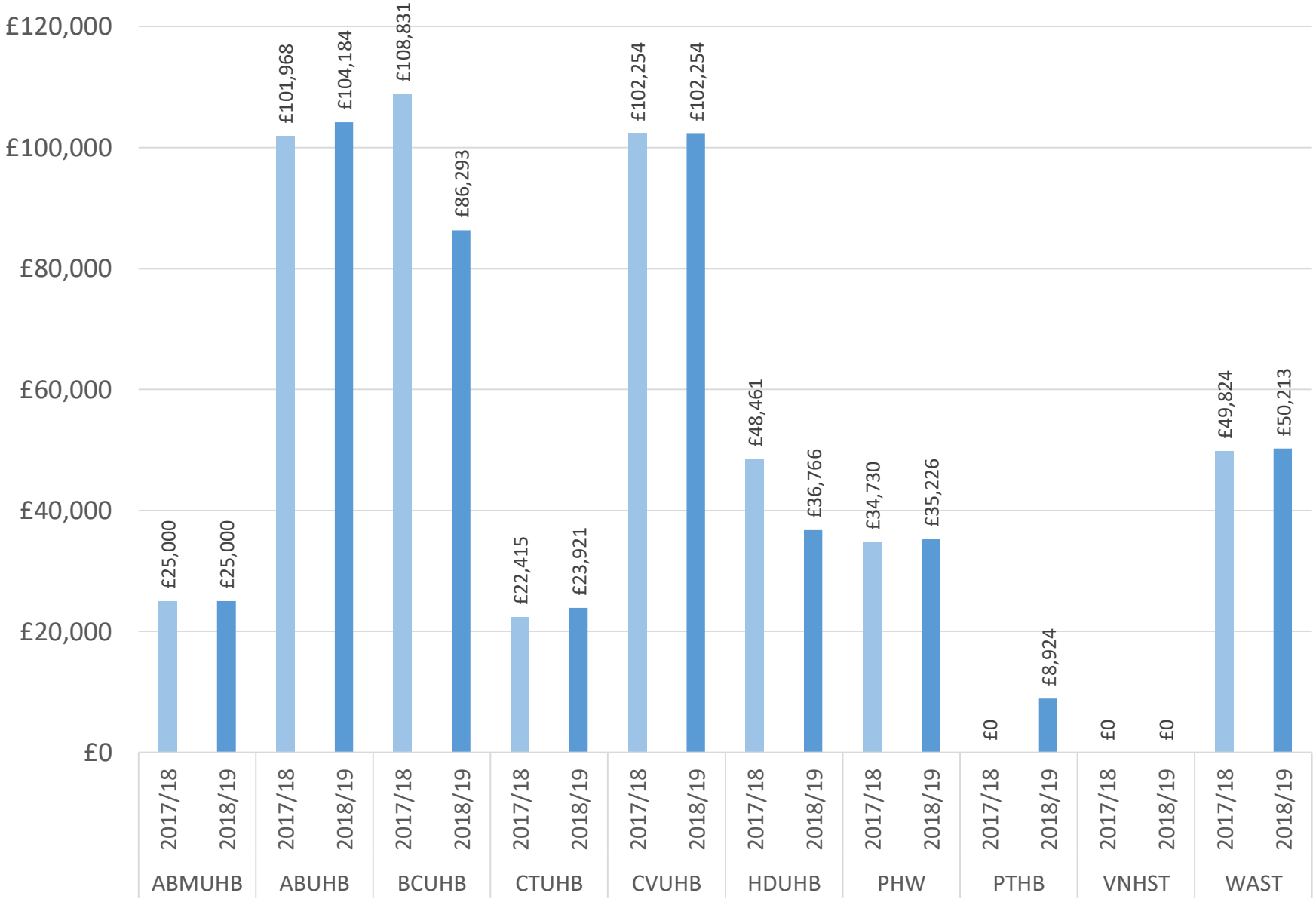
R&D Director Costs

The chart shows the comparison of R&D Director spend by each NHS organisation from 2017/18 to 2018/19.

Note:

Includes any R&D Director and Deputy/Assistant Director costs reported in the Local Support and Delivery Annual Returns

Source: 2017/18, 2018/19 Annual Returns

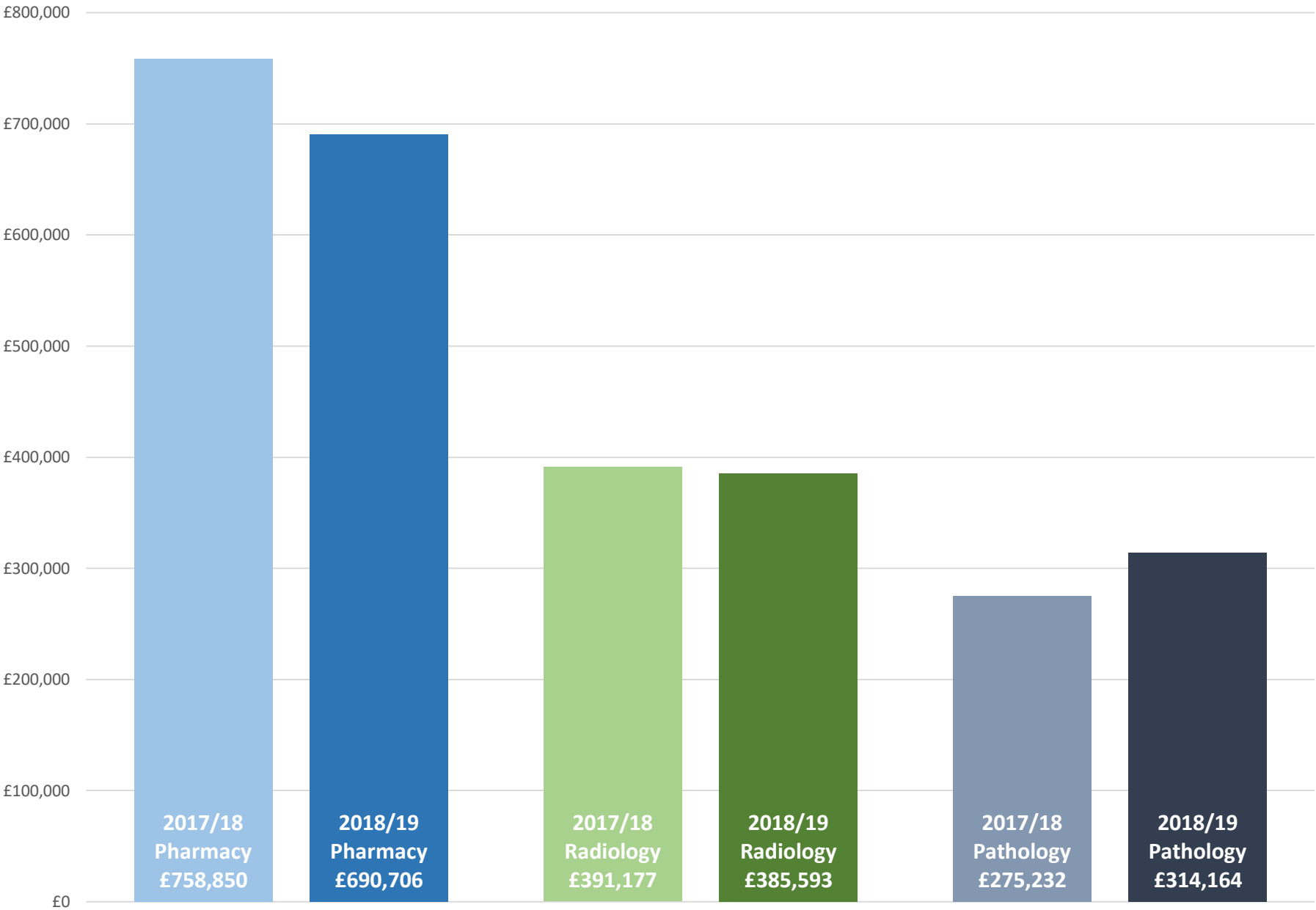


All Wales Pharmacy, Radiology & Pathology expenditure

The chart summarises the All Wales spend on Pharmacy, Radiology and Pathology services from 2017/18 to 2018/19.

Note:
Costs are those reported against Pharmacy, Radiology or Pathology Support Departments in Local Support and Delivery Annual Returns

Source: 2017/18, 2018/19 Annual Returns



Pharmacy costs per CTIMP study

The chart shows the amount of spend per CTIMP study at NHS organisations from 2017/18 to 2018/19.

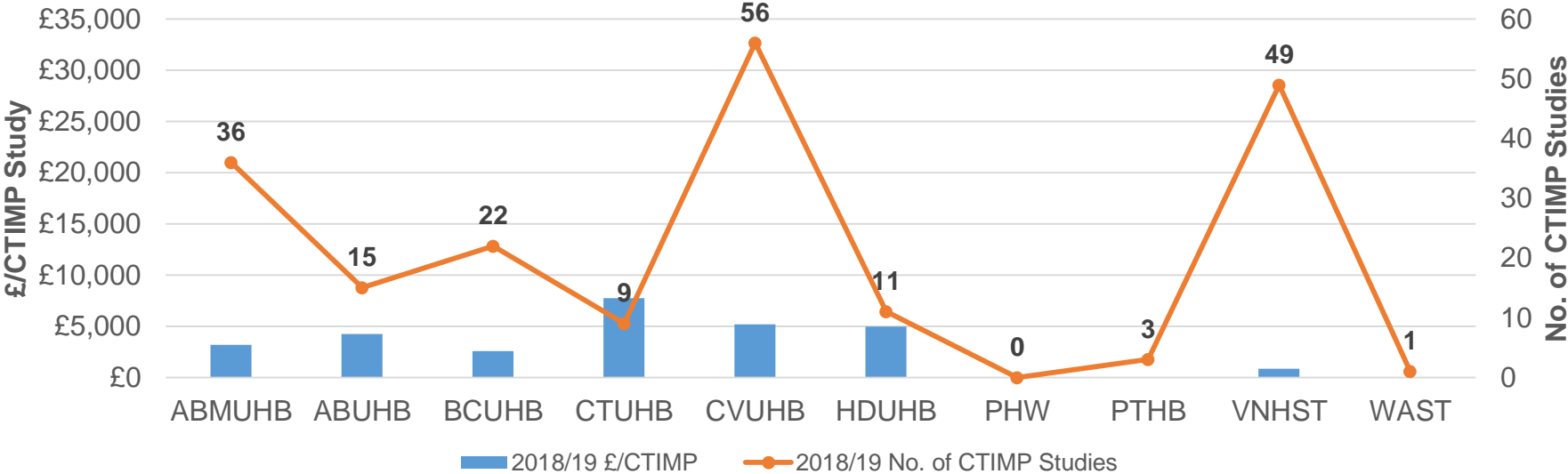
Note:

Costs are those reported against Pharmacy as the Support Department in Local Support and Delivery Annual Returns.

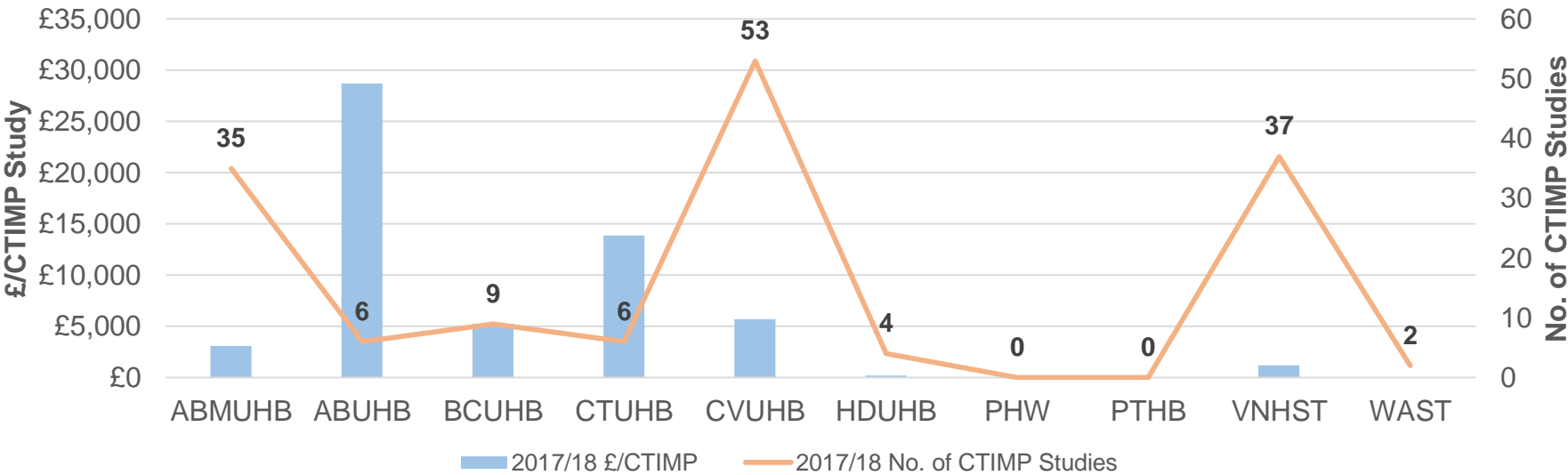
Studies have been identified as being a CTIMP (Clinical Trial of Investigational Medicinal Product) where indicated in the study IRAS form.

Source: 2017/18, 2018/19 Annual Returns

Summary of Pharmacy Expenditure per CTIMP – 2018/19



Summary of Pharmacy Expenditure per CTIMP – 2017/18



Pharmacy costs per participant recruited to CTIMP studies

The chart shows the amount of spend per participant recruited to CTIMP study at NHS organisations from 2017/18 to 2018/19.

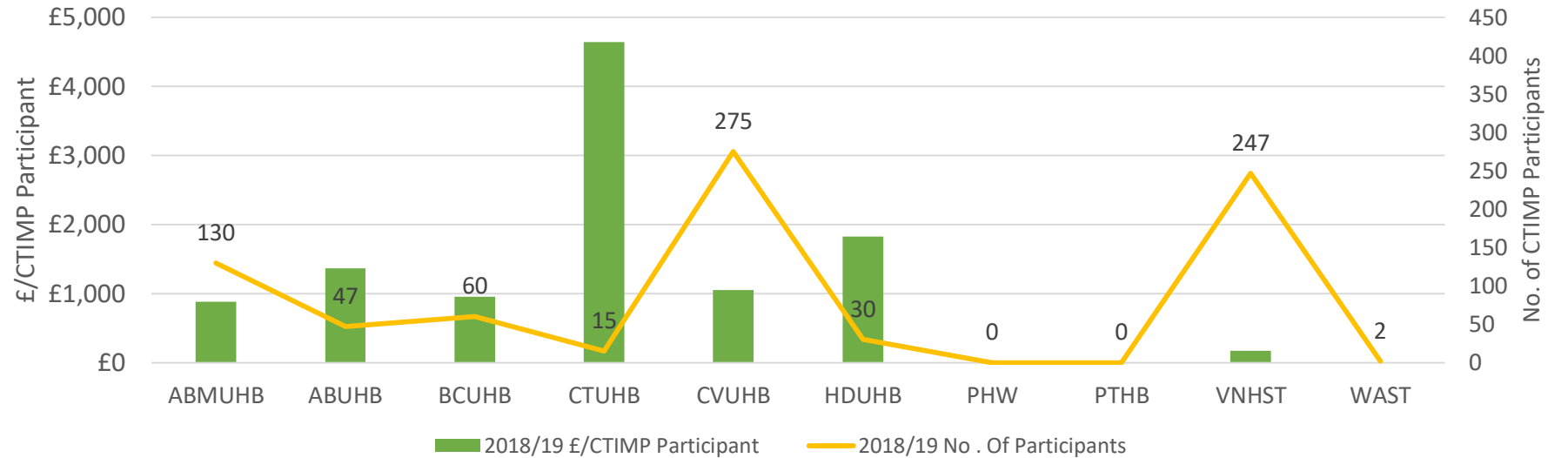
Note:

Costs are those reported against Pharmacy as the Support Department in Local Support and Delivery Annual Returns.

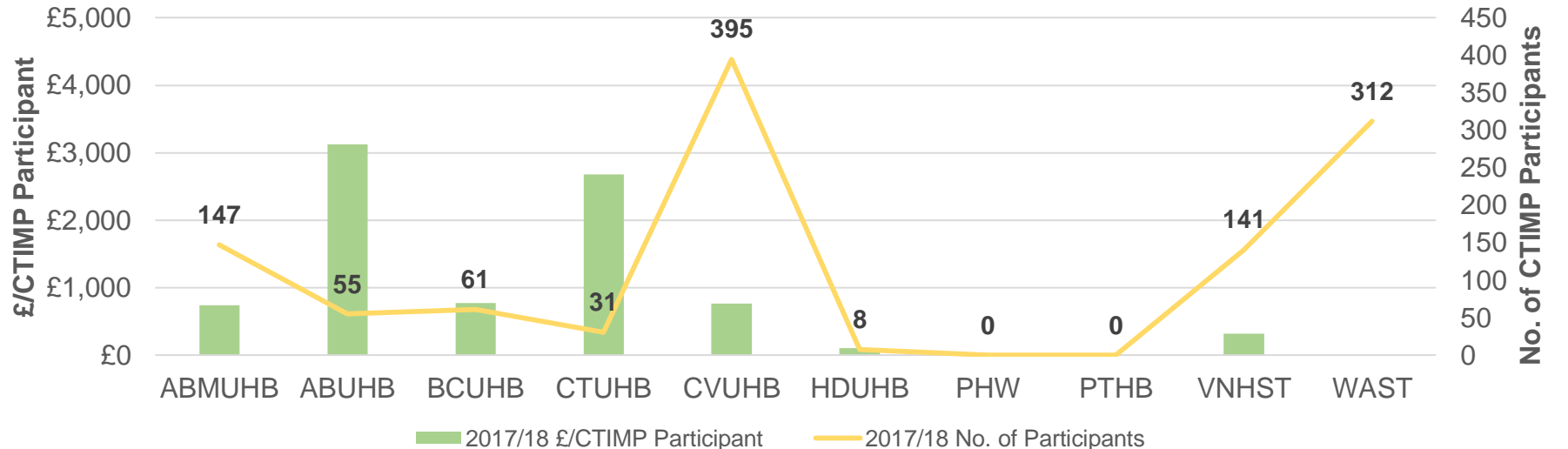
Studies have been identified as being a CTIMP (Clinical Trial of Investigational Medicinal Product) where indicated in the study IRAS form.

Source: 2017/18, 2018/19 Annual Returns

Summary of Pharmacy Expenditure per CTIMP – 2018/19



Summary of Pharmacy Expenditure per CTIMP – 2017/18



Radiology costs per study

The chart shows the amount of spend per Radiology study at NHS organisations from 2017/18 to 2018/19.

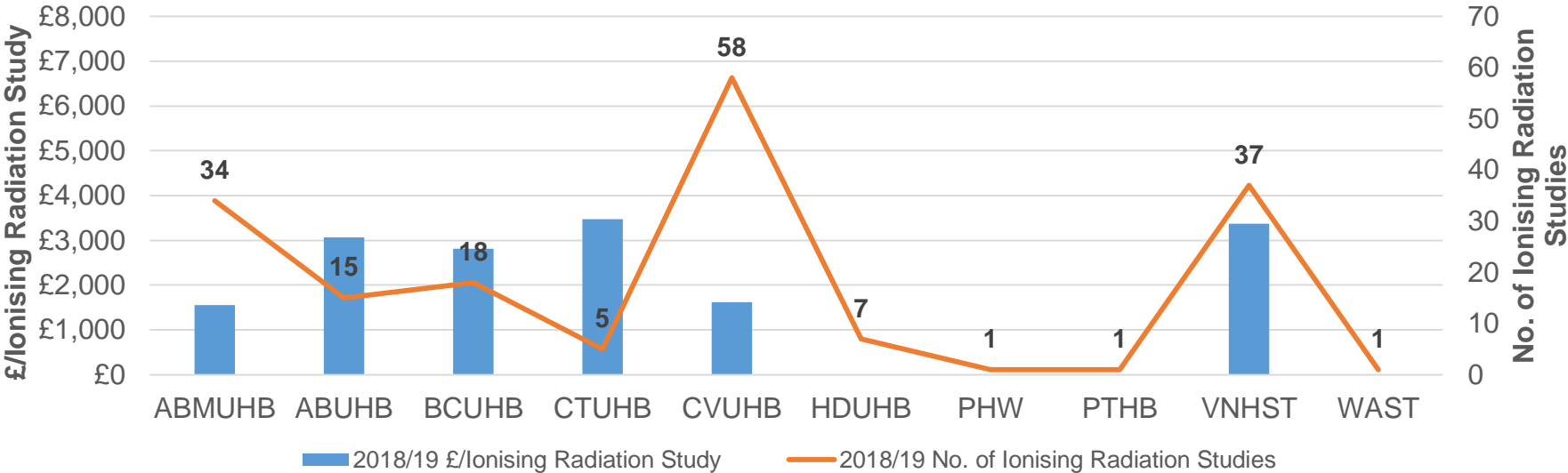
Note:

Costs are those reported against Radiology as the Support Department in Local Support and Delivery Annual Returns.

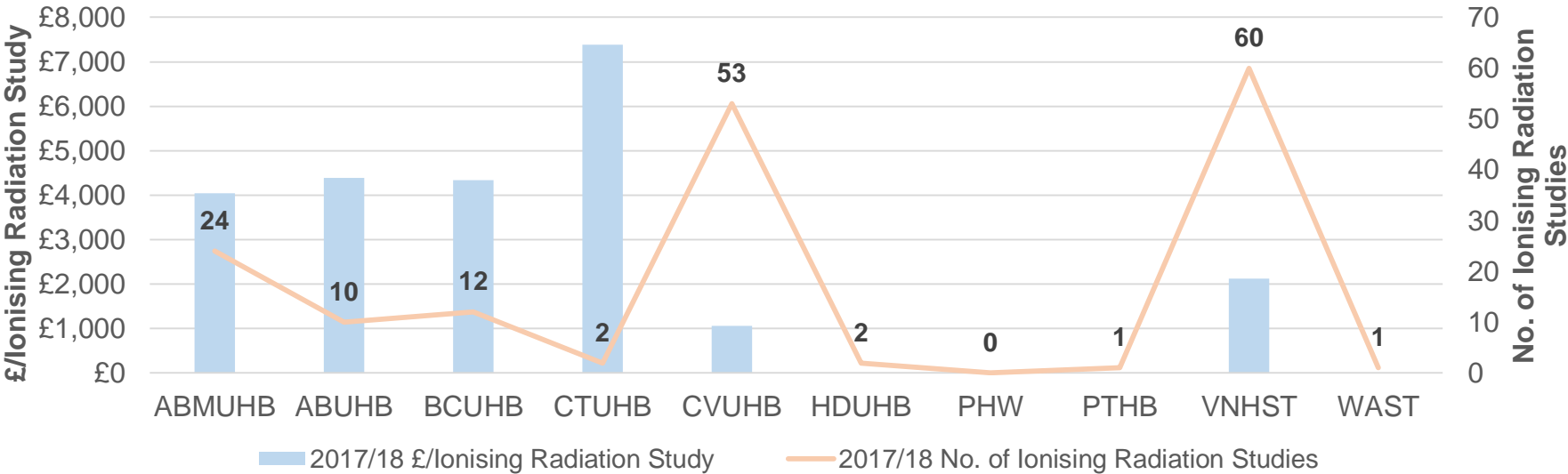
Studies have been identified as using Radiology where indicated as using Ionising Radiation in the study IRAS form. *This means that they could involve ionising radiation as part of standard care.*

Source: 2017/18, 2018/19 Annual Returns

Summary of Radiology Expenditure per Study – 2018/19



Summary of Radiology Expenditure per Study – 2017/18



Radiology costs per participant

The chart shows the amount of spend per participant recruited to Radiology study at NHS organisations from 2017/18 to 2018/19.

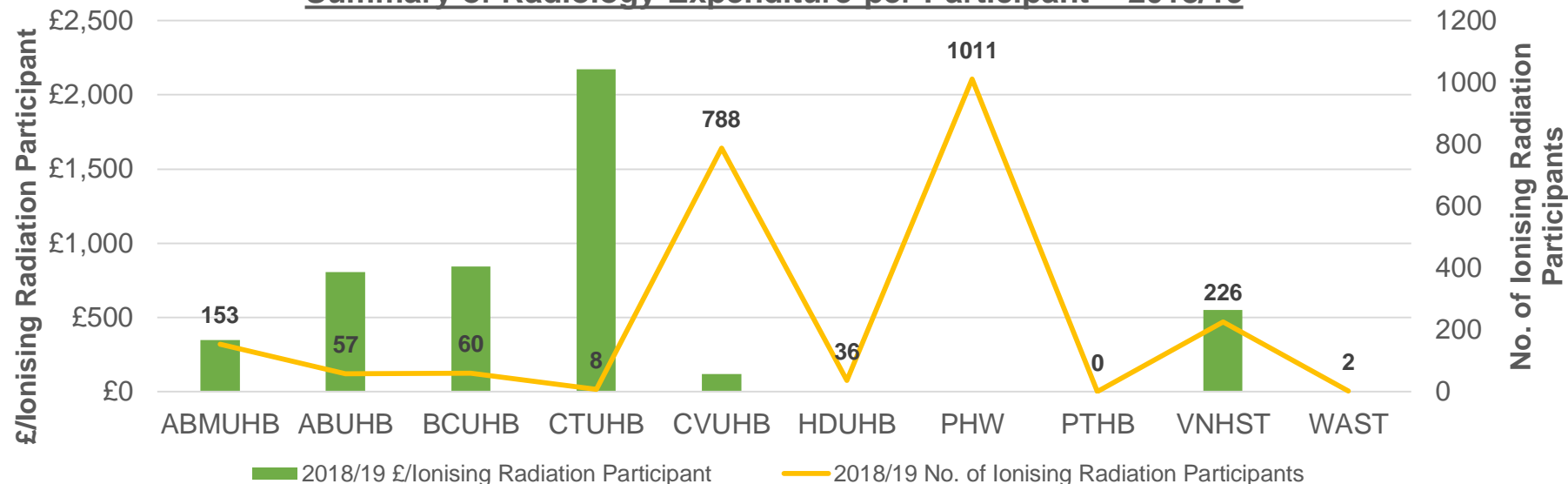
Note:

Costs are those reported against Radiology as the Support Department in Local Support and Delivery Annual Returns.

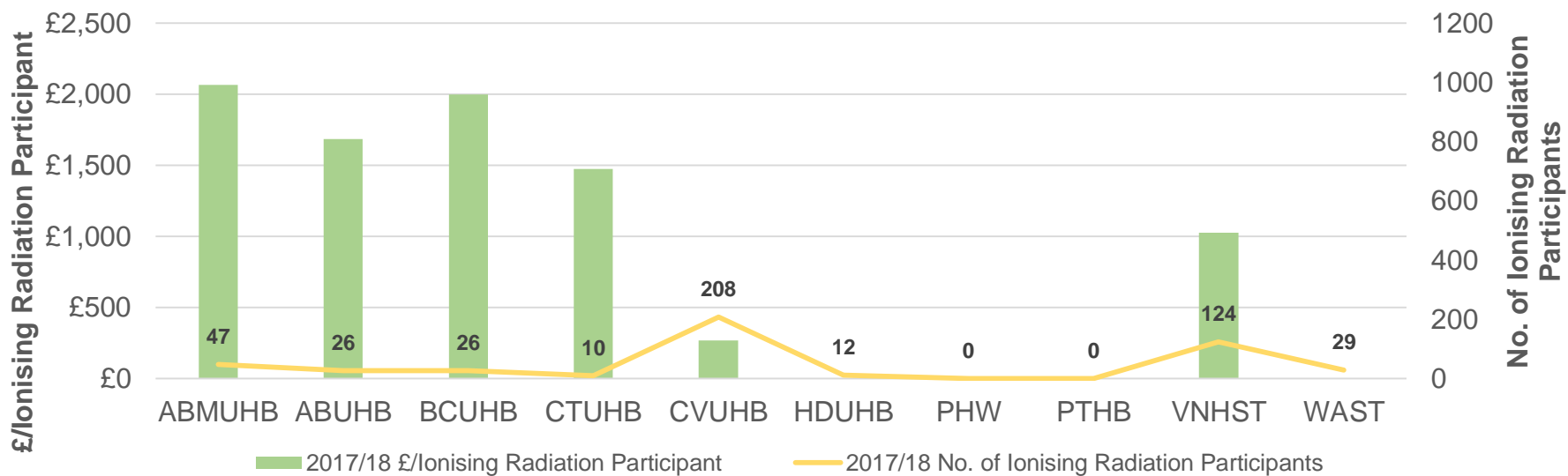
Studies have been identified as using Radiology where indicated as using Ionising Radiation in the study IRAS form. *This means that they could involve ionising radiation as part of standard care.*

Source: 2017/18, 2018/19 Annual Returns

Summary of Radiology Expenditure per Participant – 2018/19



Summary of Radiology Expenditure per Participant – 2017/18



Pathology Costs

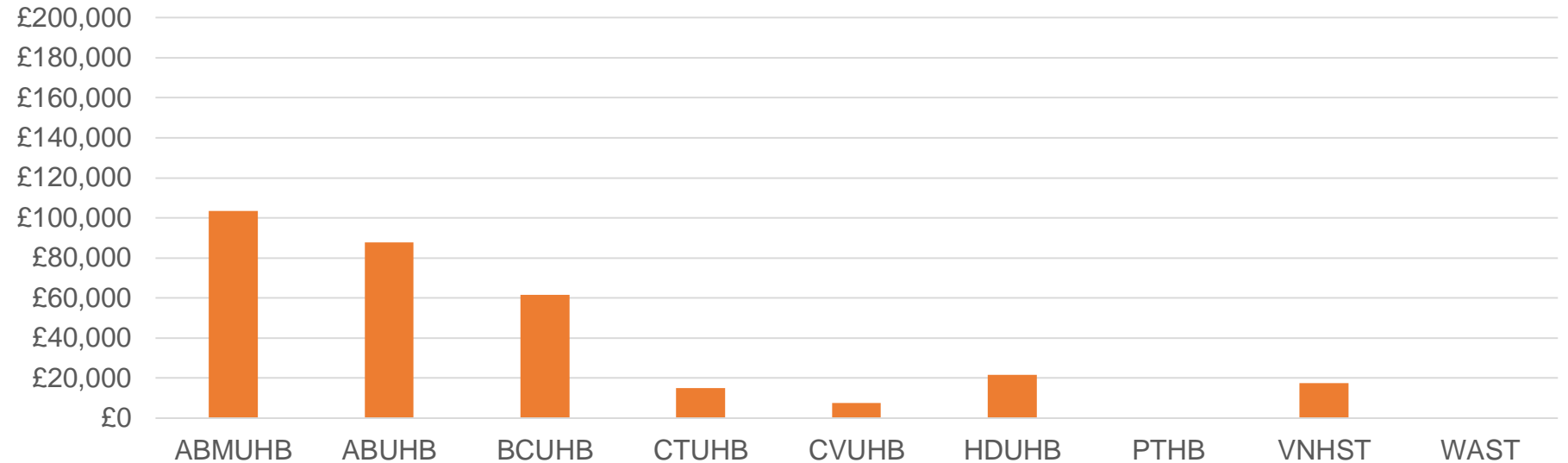
The chart summarises the spend by NHS organisations on Pathology services from 2017/18 to 2018/19.

Note:

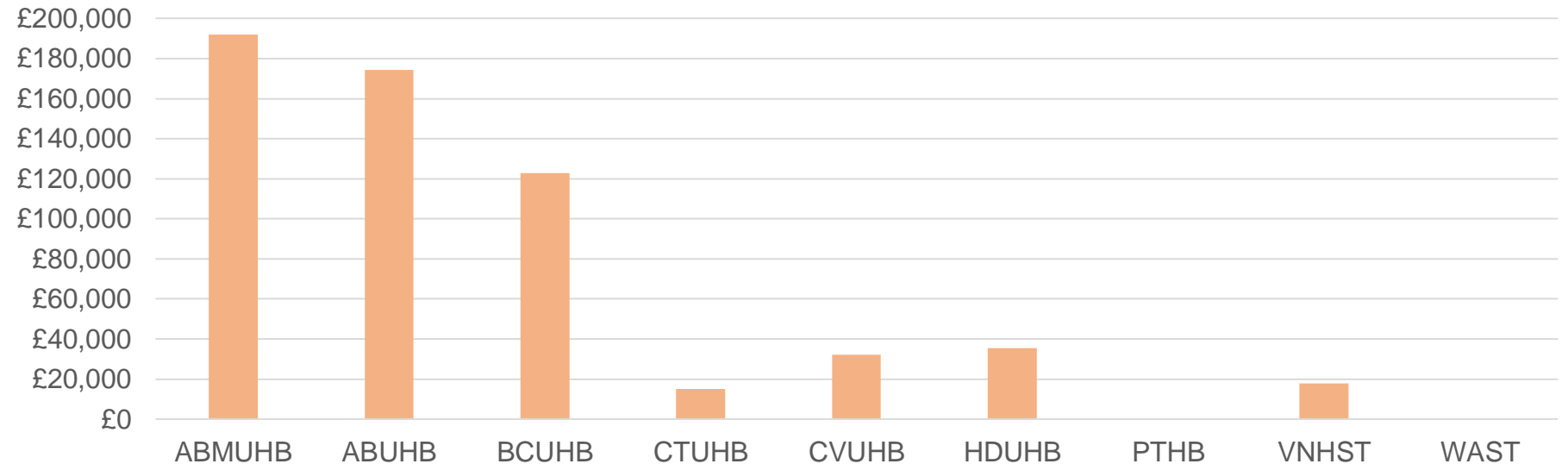
Costs are those reported against Pathology as the Support Department in Local Support and Delivery Annual Returns.

Source: 2017/18, 2018/19 Annual Returns

Summary of Pathology Expenditure - 2018/19



Summary of Pathology Expenditure - 2017/18



LS&D funding (total allocation) spent per non-commercial participant

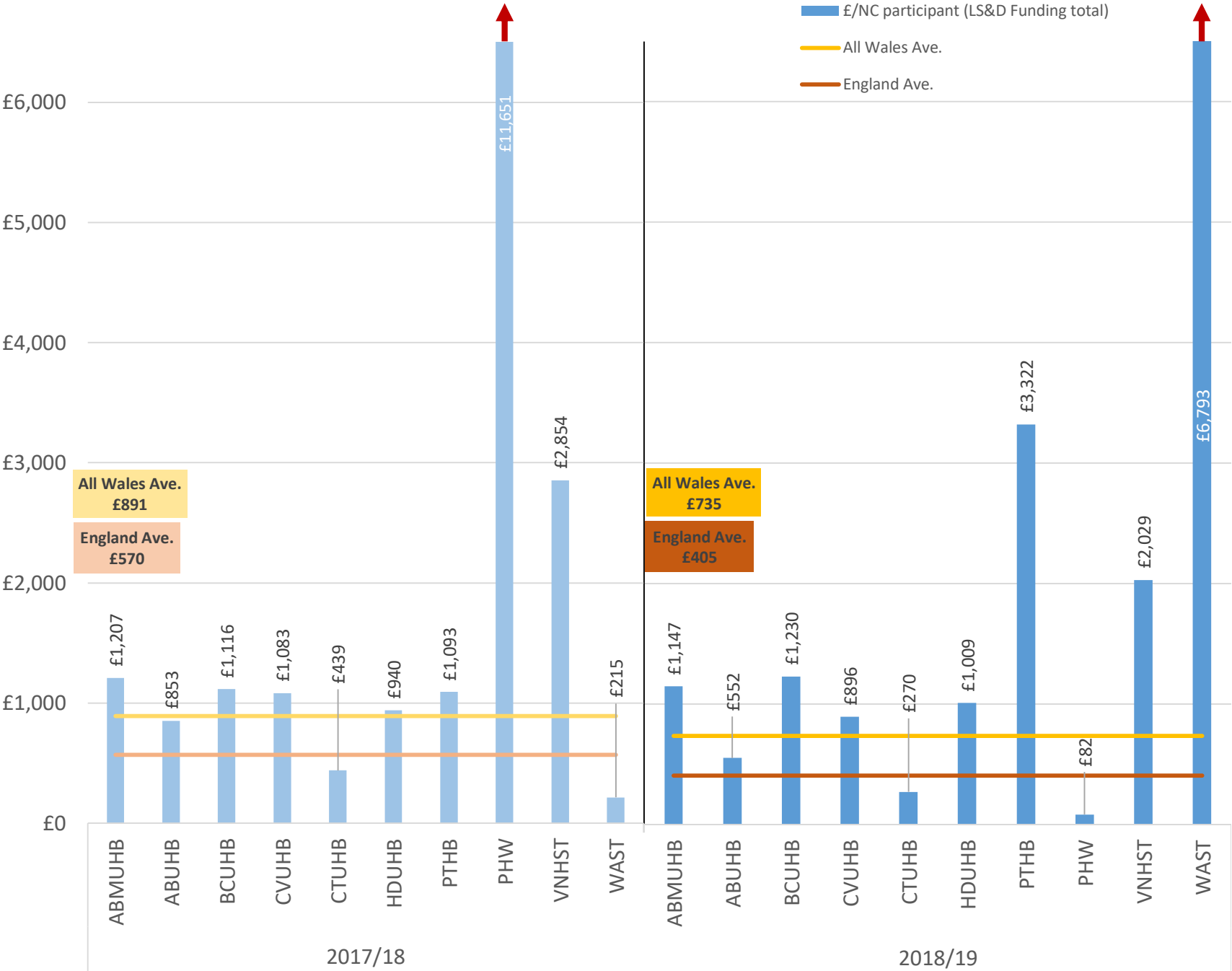
This chart summarises the non-commercial participant spend, by NHS organisations from 2017/18 to 2018/19.

It also shows the average All Wales cost per patient for each FY (indicated by Red line) and the England cost per participant (indicated by yellow line).

Note:

These figures have been calculated using the total Local Support and Delivery funding.

Source: 2017/18, 2018/19 Annual Returns.



Delivery funding spent per non-commercial participant

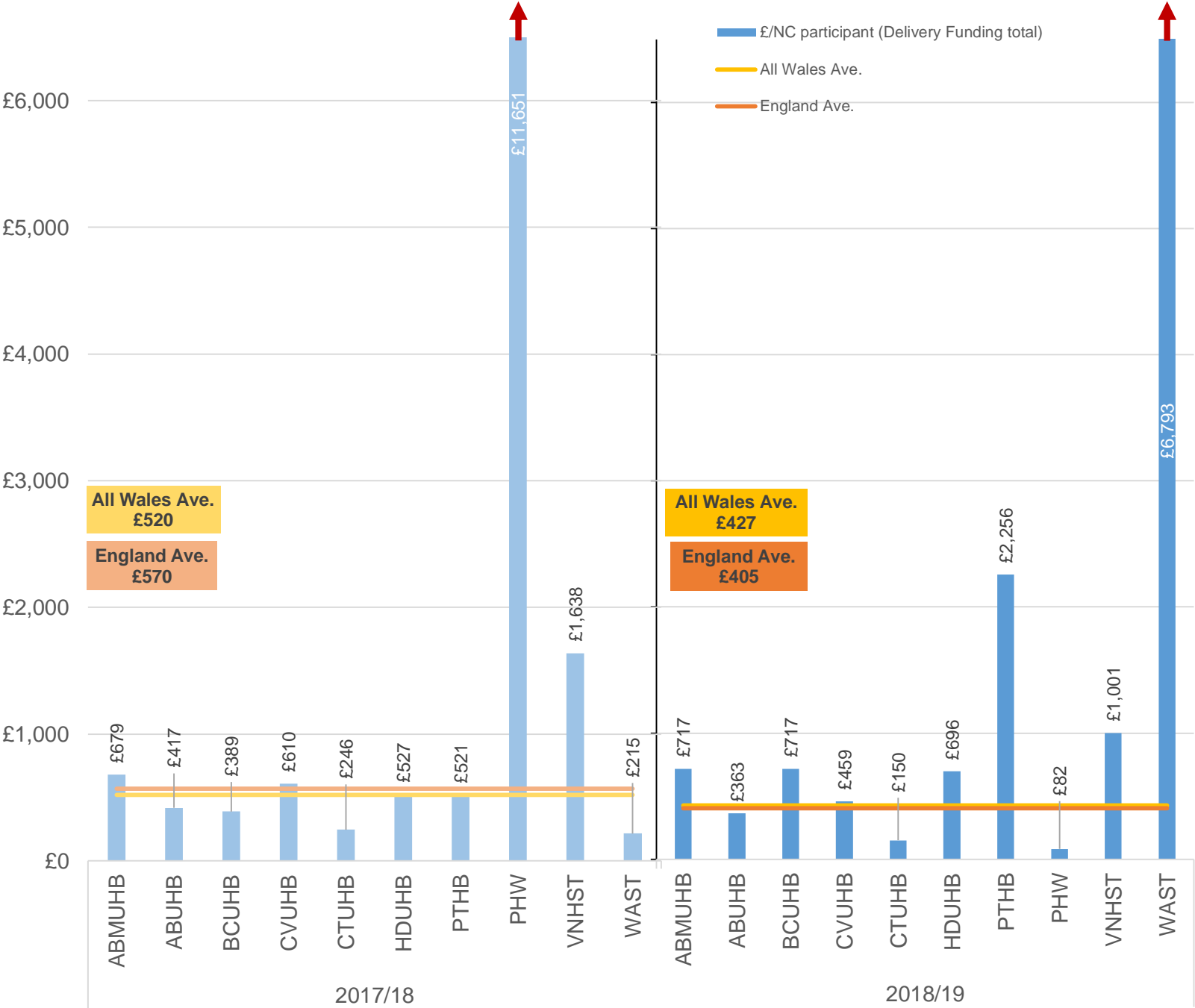
This chart summarises the non-commercial participant spend, by NHS organisations from 2017/18 to 2018/19.

It also shows the average All Wales cost per patient for each FY (indicated by Red line) and the England cost per participant (indicated by yellow line).

Note:

These figures have been calculated using the Delivery funding only.

Source: 2017/18, 2018/19 Annual Returns



Weighted recruitment spend against delivery funding - compared to All-Wales average

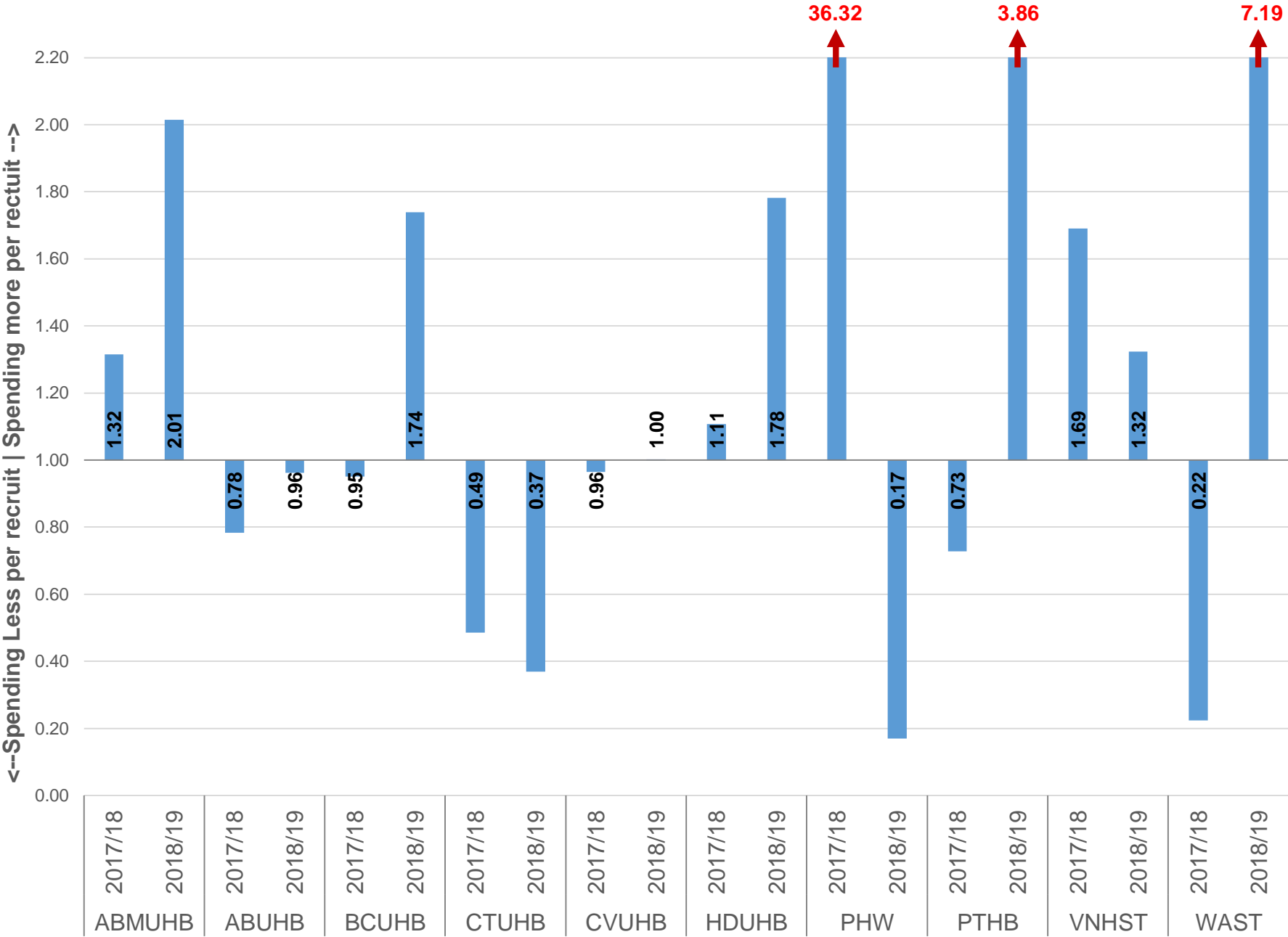
In this chart, where the figure =1, this equates to the average All Wales spend per recruited participant.

Where the figures >= 1, this equates to a higher than the average All Wales spend per recruited participant.

Where the figures <= 1, this equates to a lower than the average All Wales spend per recruited participant

Note:

Source: 2017/18, 2018/19 Annual Returns



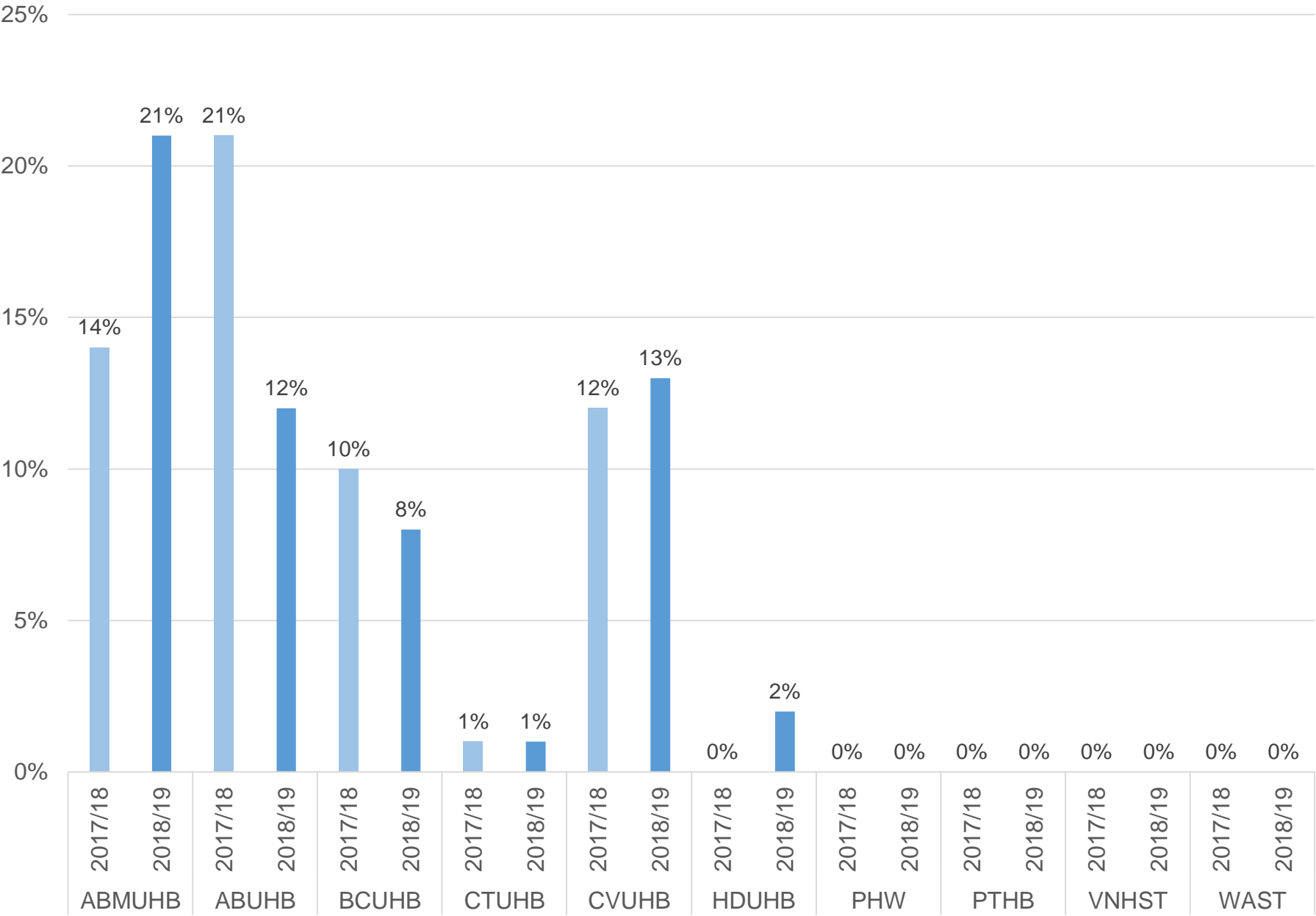
Cost Recovery

This chart summarises the proportion of cost recovery by NHS organisations from 2017/18 to 2018/19.

Note:

This chart shows the amount of cost recovery reported in the Local Support and Delivery Annual Returns, as a percentage of overall Funding Allocation

Source: 2017/18, 2018/19 Annual Returns



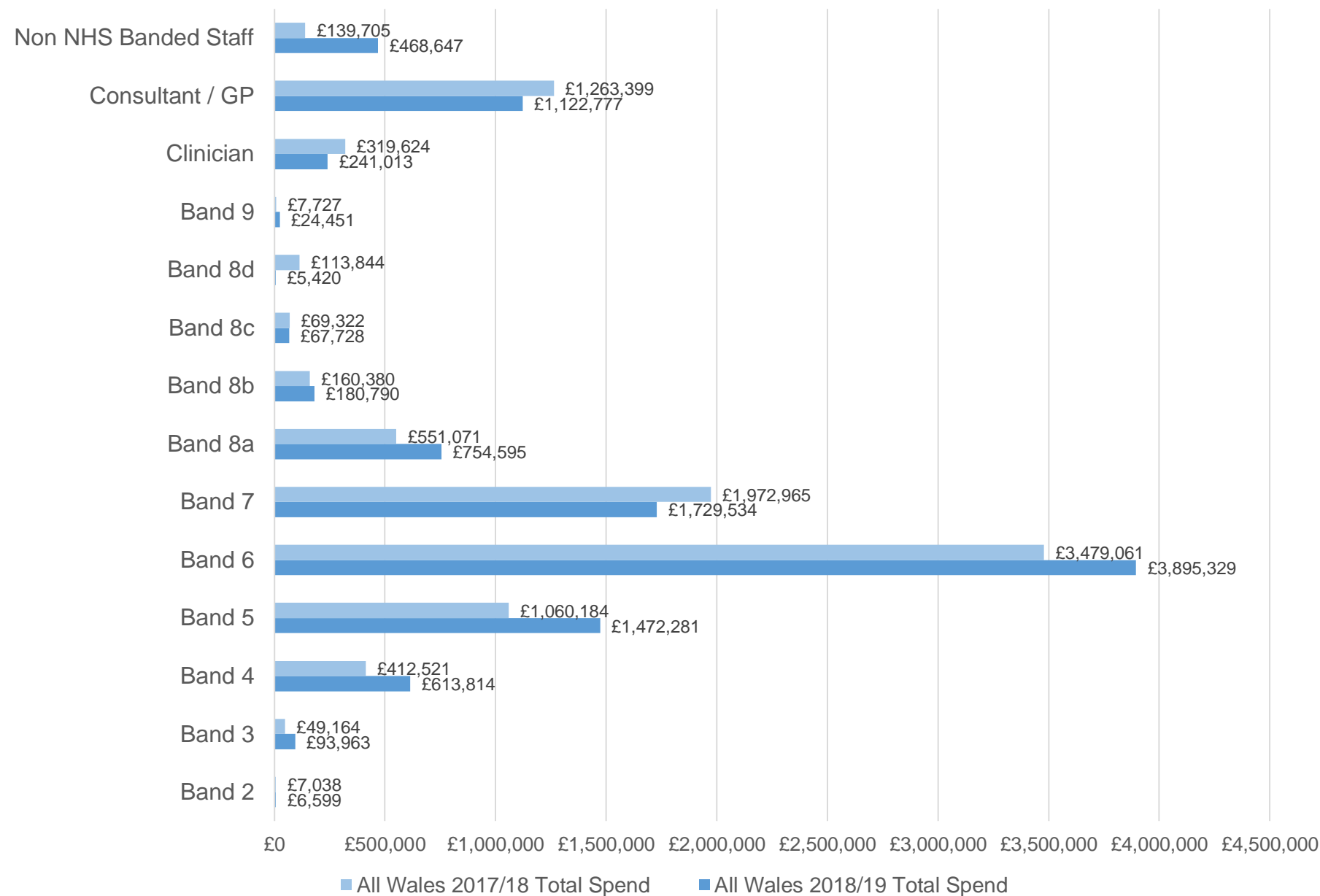
All Wales spend on research delivery by pay band

This chart summarises the amount of All Wales spend across pay bands in research delivery from 2017/18 to 2018/19.

Note:

Expenditure by pay band of posts categorised as 'Delivery', as reported in the Local Support and Delivery Annual Returns

Source: 2017/18, 2018/19 Annual Returns



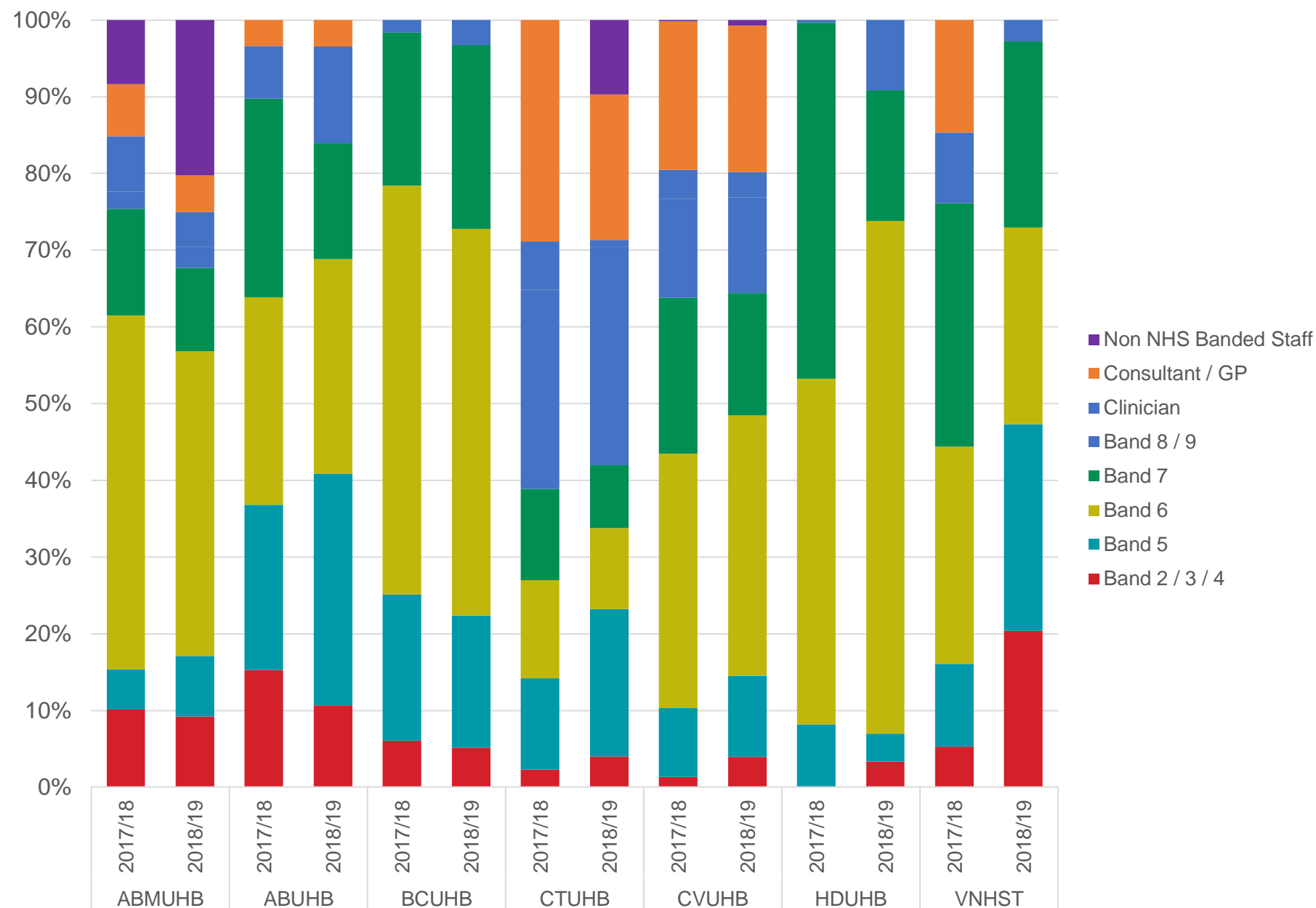
Proportion of spend on research delivery by pay band

This chart summarises the proportion of spend across pay bands in research delivery by NHS organisation from 2017/18 to 2018/19.

Note:

Distribution of expenditure by pay band of posts categorised as 'Delivery', as reported in the Local Support and Delivery Annual Returns

Source: 2017/18, 2018/19 Annual Returns



Section 3

Support & Delivery Centre funding

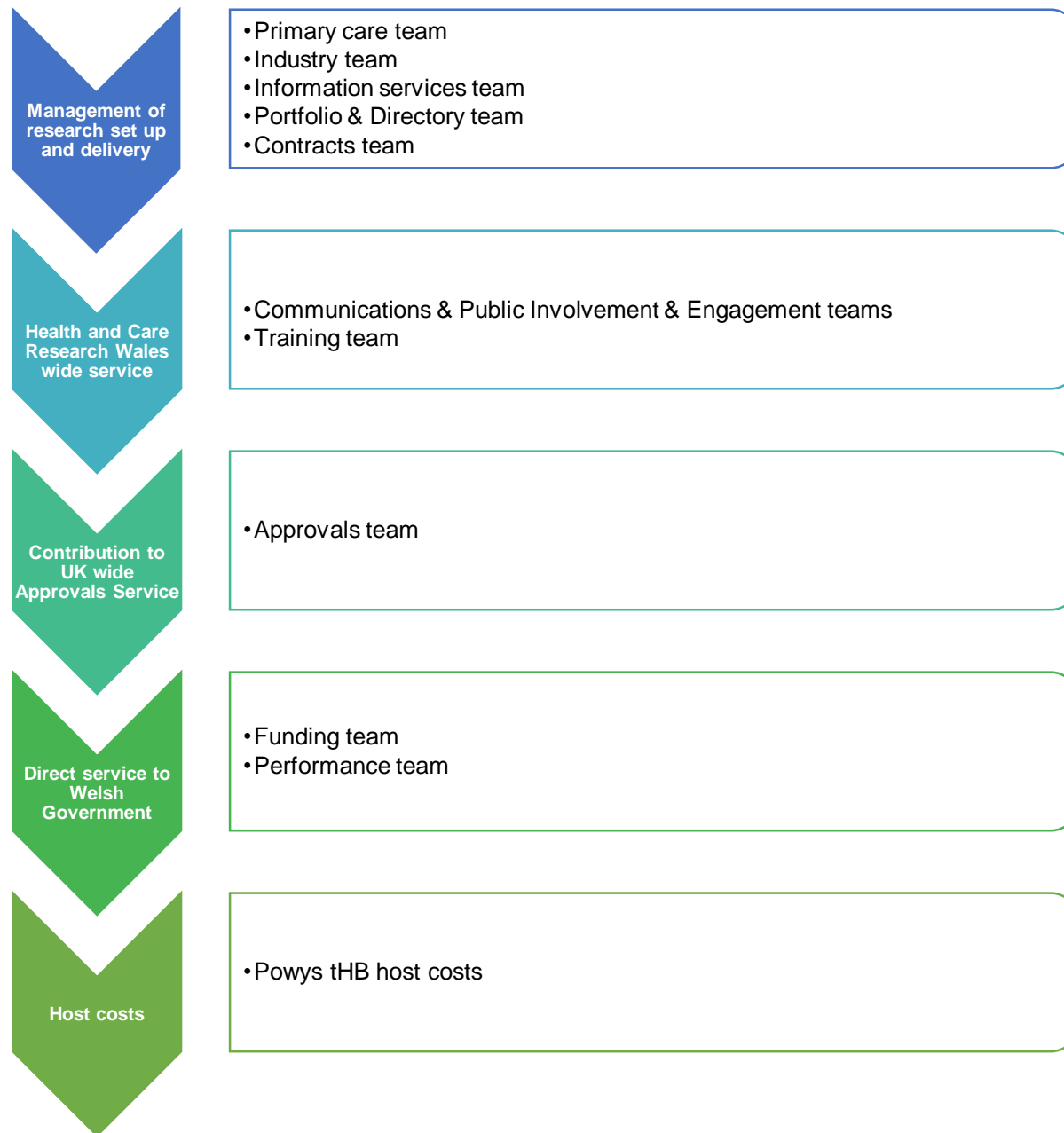
- Funding expenditure 2018/19 broken down across services provided by the Support & Delivery Centre (S&DC)
- Detail on the services and other items included in the expenditure
- Analysis of Support & Delivery funding collectively spent on management of research and oversight of research delivery
- Analysis of the cost per study of the Health and Care Research Wales contribution to the UK wide approvals service

Note:

- The activity data presented in this section includes data from the Support & Delivery Centre's financial annual return for 2018/19 and the NHS organisations' financial annual returns for 2018/19.

Support & Delivery functions and services

This shows the functions
and services and their main
purpose/ stakeholders.



Support & Delivery Centre expenditure by service/ contribution

This chart summarises the expenditure across the various services provided by the Support & Delivery Centre in 2018/19.

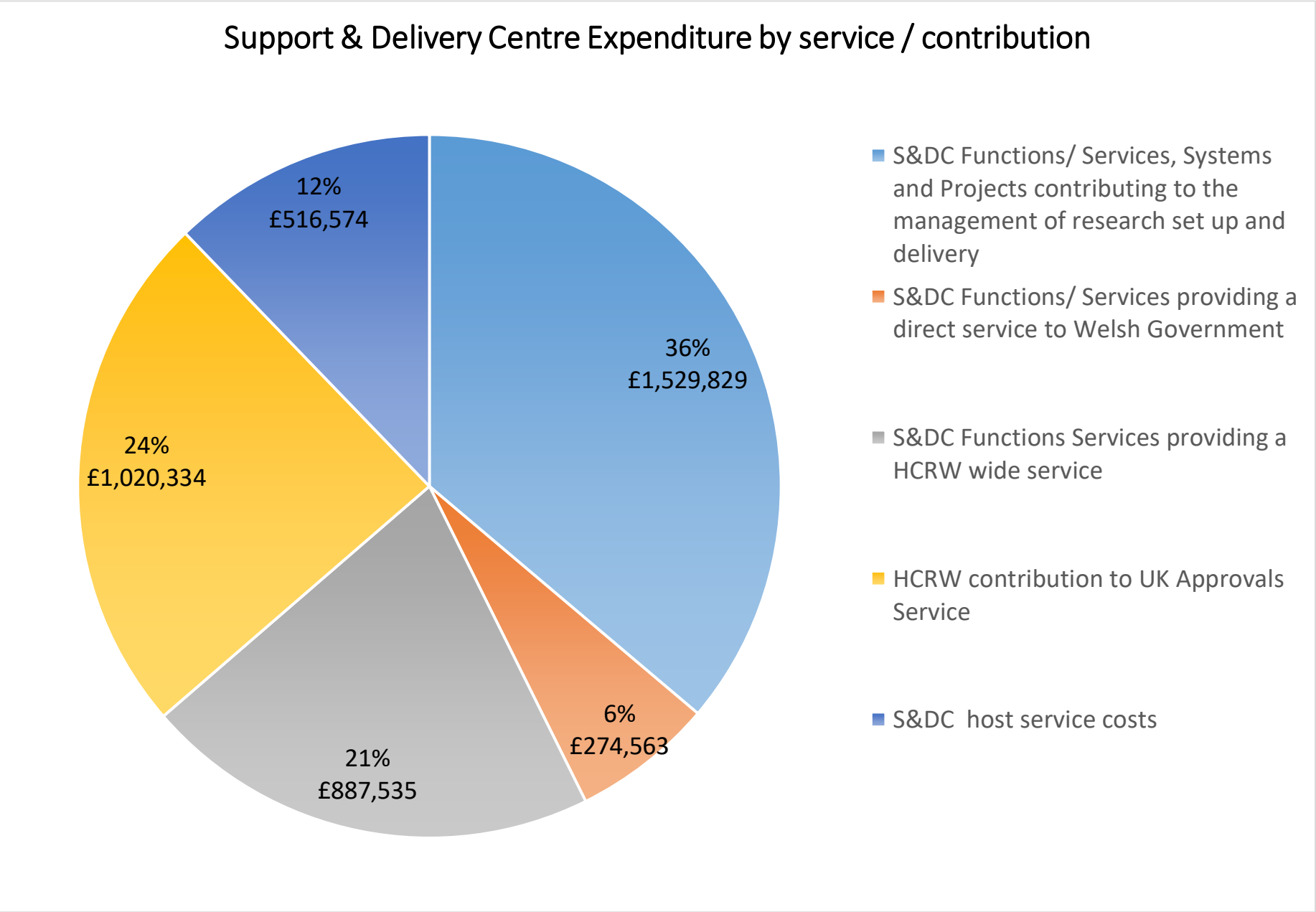
The breakdown of each section is provided in the slides that follow.

Note:

Some of the expenditure is not part of the Support & Delivery Centre budget, e.g. PiCRIS and Specialty Leads, but has been included

Source:

Support & Delivery Centre financial annual return 2018/19



Expenditure on services, functions, systems and projects contributing to management of research set up and delivery

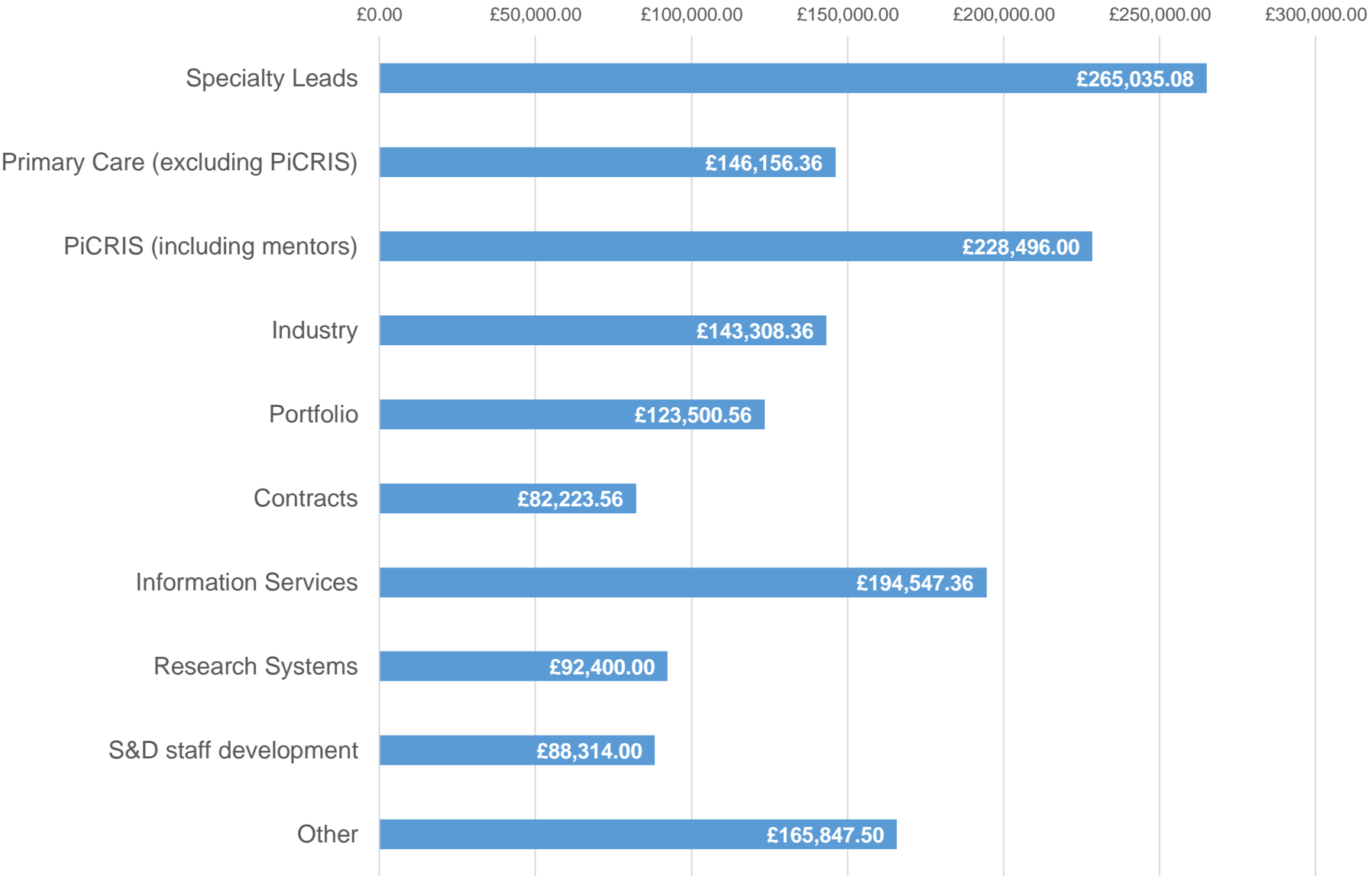
This includes teams that support processes and initiatives that can be classed as contributing to the above.

Primary care is the primary care team. Primary care support costs are not included in the budget.

Note:
Includes PiCRIS, Specialty Leads and LPMS, which is not part of the S&DC core budget of £3.7m

Source:
S&DC financial annual return 2018/19

S&DC spend on management of research set up and delivery

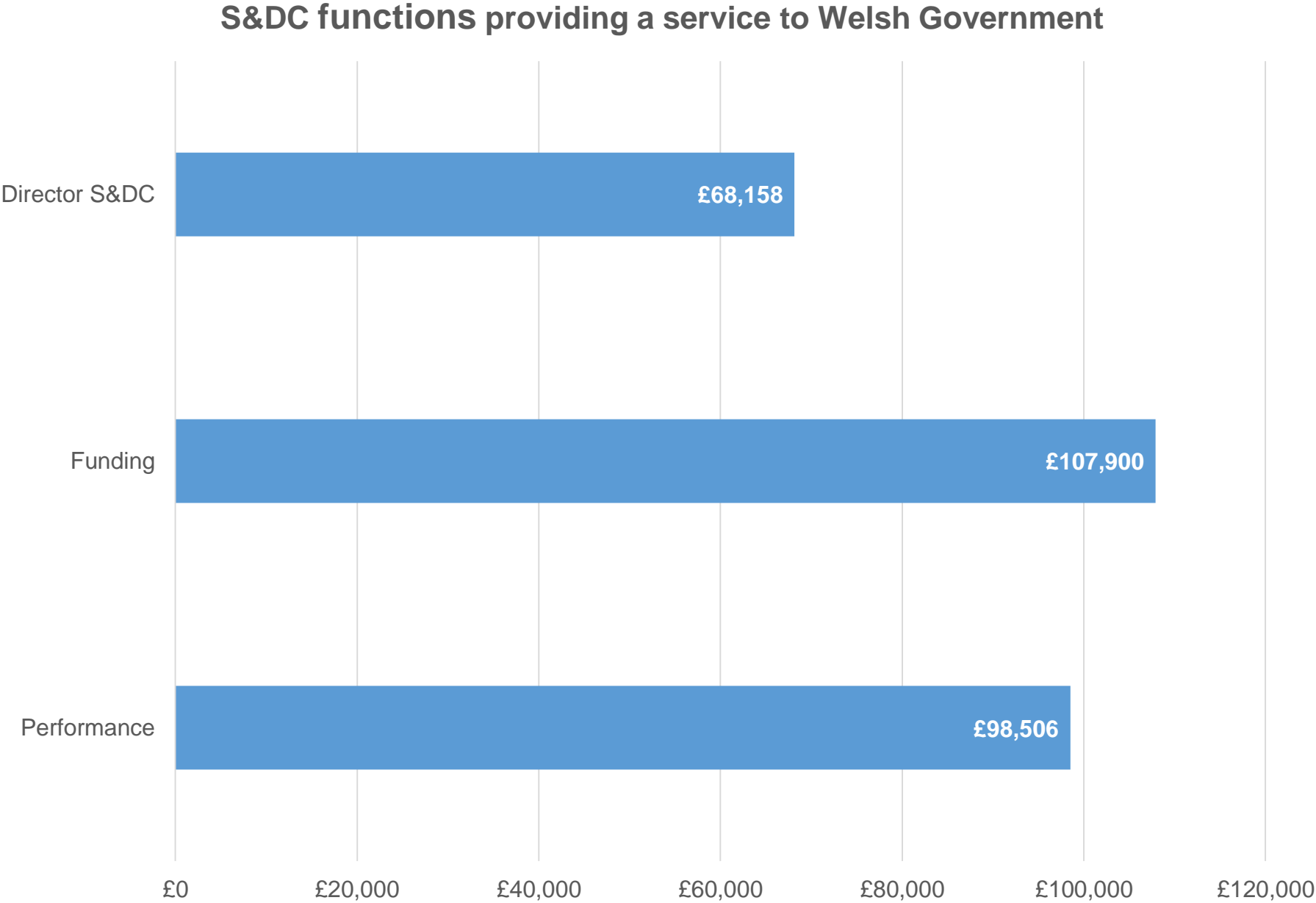


*Other includes Director of S&D part salary cost & HoRD N Wales

Information about expenditure on services and functions that provide a function to Welsh Government

This includes part of the Director of S&D salary costs as well as the Funding and Performance teams.

Source:
S&DC financial annual return 2018/19



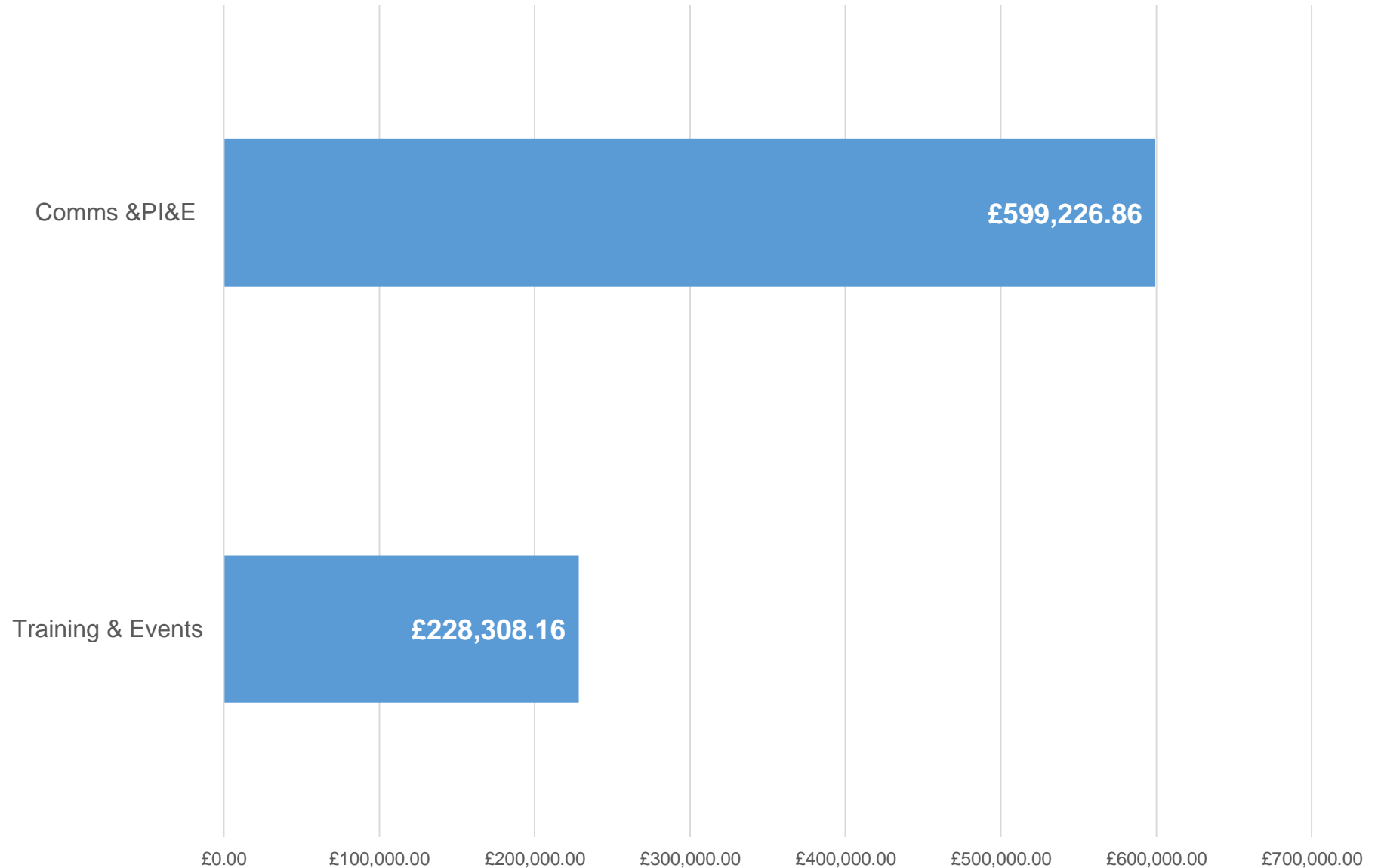
Information about functions and teams providing a service to the Health and Care Research Wales infrastructure

This includes training, Communications, Public Involvement and Engagement and events.

Source:

S&DC financial annual return 2018/19.

S&DC provision of Health and Care Research Wales services



Expenditure linked to the Health and Care Research Wales contribution to the UK wide approvals service

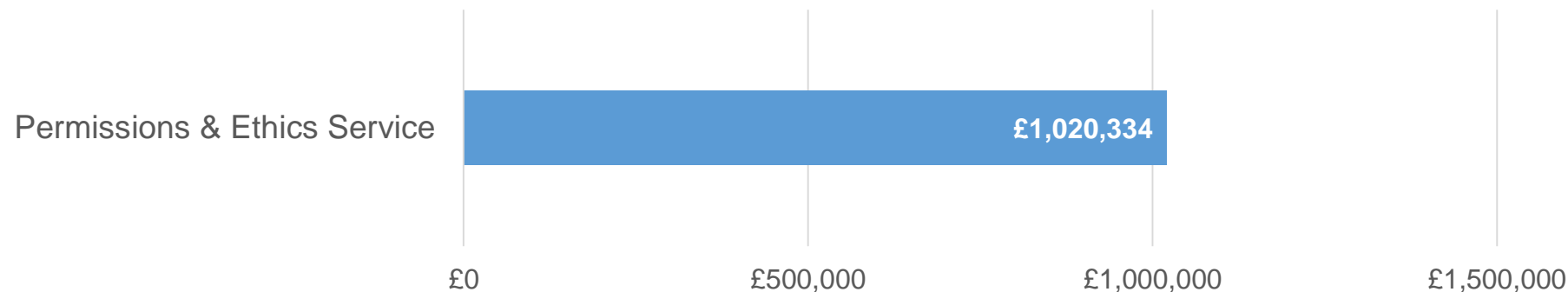
This provides the combined costs of services that contribute to the UK wide approvals service (Permissions and Ethics), which became the Health and Care Research Wales Approvals Service from 1st April 2019

The cost per study is based on the number of studies approved by the Welsh Ethics Service in 2018/19. Of the 227, 32 were studies requiring proportionate review.

Source:

S&DC financial annual return, HARP

HCRW contribution to UK wide approvals service



Studies approved by Welsh Ethics Service in 2018/19

Cost per study

Spend on management of research and oversight of study set up and delivery

30% of the combined budget is spent on research management and oversight of research delivery.

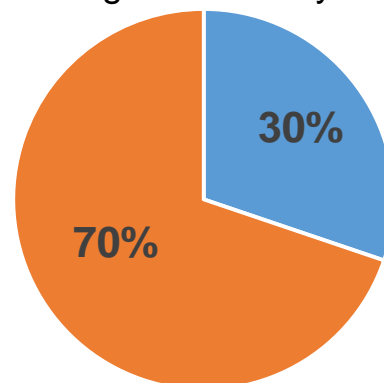
For the purposes of this analysis, costs for PiCRIS, Specialty Leads and LPMS have been included in the S&DC budget amount (actual budget without these elements is £3.7m)

LPMS costs have only been counted once.

Source:

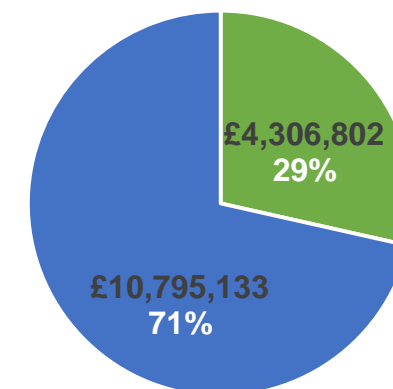
S&DC financial annual return, HARP, NHS R&D financial annual returns

Proportion of HCRW delivery budget (£19.3m) spent on management of research set up and oversight of delivery



- Combined research management and oversight of research delivery spend S&D
- Combined budget S&DC & NHS R&D

Percentage of LS&D (£15.1m) spent on management and admin



- NHS R&D Management, admin and oversight of research delivery costs
- Remaining LS&D budget

