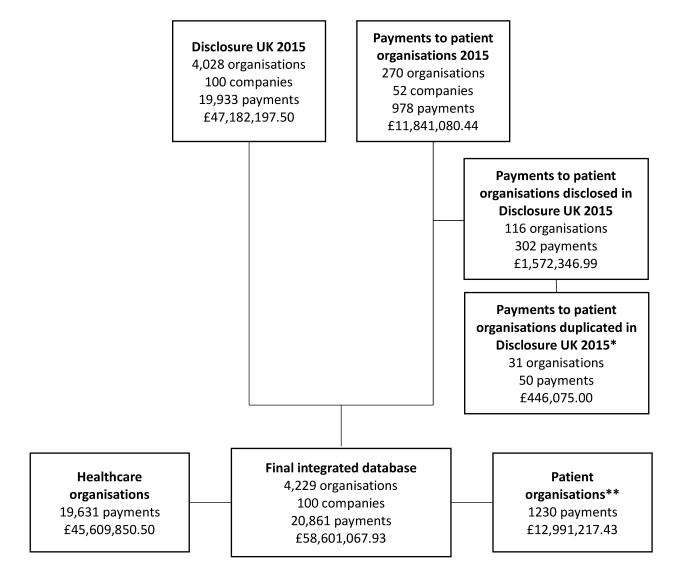
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Supplementary File 1. Payment types included in Disclosure UK and patient organisation codes applied to Disclosure UK codes

Payment type	Description of payment type	Patient organisation payments subsumed within the payment type
Contribution to costs of Events	Contribution to costs related to Events, through HCOs or Third Parties, including support to HCPs to attend Events, such as: • Registration fees; • Sponsorship agreements with HCOs or with Third Parties appointed by an HCO to manage an Event; and • Travel and accommodation (EFPIA Code of Practice 2019, p. 30)	contributions to costs of events organised by recipients or third parties; travel, accommodation and registration fees
Donations and Grants to HCOs	Donations and Grants to HCOs that support healthcare, including donations and grants (either cash or benefits in kind) to institutions, organisations or associations that are comprised of HCPs and/or that provide healthcare (EFPIA Code of Practice 2019, p. 30)	donations; grants; corporate member, supporter, sponsor or partner; purchases and subscriptions from patient organisations; more than one distinct payment form; form of funding unclear; sponsorships
Fee for service and consultancy	Payments resulting from or related to contracts between Member Companies and HCOs under which such HCOs provide any type of services to a Member Company or any other type of funding not covered in the previous categories. Fees, on the one hand, and on the other hand payments relating to expenses agreed in the written agreement covering the activity will be disclosed as two separate amounts. (EFPIA Code of Practice 2019, p. 30)	fees for service and consultancy (including travel and accommodation); support, help and contributions
Joint working	The Department of Health defines joint working between the NHS and the pharmaceutical industry as situations where, for the benefit of patients, one or more pharmaceutical companies and the NHS pool skills, experience and/or resources for the joint development and implementation of patient centred projects and share a commitment to successful delivery. (ABPI Code of Practice 2015, Clause 20, p. 30)	n/a

Supplementary File 2. Data integration flowchart



^{*}This is the number and value of payments excluded to ensure no payment was counted twice

^{**}During the cleaning process, a number of considerations took place to determine the final number and value of payments to patient organisations. Some duplicate payments were identified that were reported as multiple payments in one dataset and one payment in the other dataset (influencing the final number of payments). Approaches to VAT when reporting values also differed between the two datasets (influencing the final value of payments).

Supplementary File 3. Recipient category descriptions and examples

	le 3. Recipient category descri	
Recipient	Category description	Examples (country-specific examples where
category		applicable)
Alternative providers of health services	Charities, not-for-profit companies, social enterprises and community interest companies providing health services	 social enterprise delivering primary or secondary care health services nursing or care home run by a community interest company (CIC) hospital, hospice, or nursing home with a charitable status
Education and research providers	Universities, charities, and noncommercial institutes undertaking research	 university research institute at a NHS organisation charity focusing on undertaking medical research
Formal bodies representing healthcare professionals or patients	Local medical, optical, optometric, or pharmaceutical committees and statutory bodies representing healthcare professionals or patients	 local medical committees (LMC) local optical or optometric committee (LOC) England local pharmaceutical committee (LPC)
Charities and other third-sector organisations (excluding providers of health services, professional organisations, and patient organisations)	Organisations (not patient organisations) focusing on education, research, advocacy, and multipurpose organisations	 charitable trusts providing medical education events to healthcare professionals think tanks third-sector organisation (non-charity) or charity focused on funding medical research research institute registered as a charitable organisation
Healthcare commissioning, planning and regulatory organisations	Local, regional, and commissioning, planning, or regulatory organisations	 primary care trust (PCT) NHS Shared Business Services National Institute for Health and Care Excellence (NICE) Public Health England clinical commissioning group Locality group area prescribing committee local commissioning group NHS England Scotland regional NHS board area pharmaceutical committee Wales health board public health Wales

		Northern Ireland
		- health and social care board
		- local commissioning group
	Organisations focusing on	- multipurpose patient organisations
Patient	supporting education,	- organisations focused on providing patient
organisations	research, advocacy, and	support
	multipurpose organisations	- hospital charities
	Providers of medical	- manufacturer or supplier of medical
Private companies	communications or training	devices or technologies
other than	services, commercial or	- pharmacy wholesaler or distributor
providers of	medical research services,	- event management services
health services	and accountancy or	- journal or publishing company
	consultancy services	- clinical or contract research organisation
		- private laboratory - dental practice
	Private clinics and	dental practicepharmacy or chemist
Private sector	hospitals, healthcare	- opticians
healthcare	groups, and providers of	- private clinic, surgery, practice, or hospital
providers	dental, pharmacy, and	- private company providing community
	optical services	health or social care services
		- organisation of medical professionals
		- professional bodies responsible for setting
	Organisations of medical	standards of care and education for
	professionals, other	medical specialities
Professional	healthcare professionals, or	- royal college - medical professionals
organisations	non-healthcare	- alliance or coalition of professional
	professionals,	associations or groups
		- professional organisation of pharmacists or
		pharmacy technicians
	Central UK government	- district, city, country, or borough council
Public	bodies, devolved	- prison
administration	administrations in Scotland,	- devolved administrations
and providers of	Wales, and Northern	- central government bodies
public services	Ireland, and local	
	authorities	
	General practitioner	- GP practice, surgery, medical practice or
Public sector	surgeries, medical practice	family practice
primary care	centres, groups of surgeries	- health centre, medical centre or primary
providers	or medical practices, and	care centre
	healthcare or medical	- group of surgeries or medical practices
	groups	NUS hornital
Public sector	NHC tructs NHC bossitals	- NHS hospital - NHS Foundation Trust
secondary and	NHS trusts, NHS hospitals, and networks and	- NHS roundation trust - NHS rust
tertiary care	collaboratives of NHS	- strategic clinical network (SCN)
providers	organisations	Scotland
providers	O Samsations	- managed clinical network (MCN)
		- manageu cimicai network (iviciv)

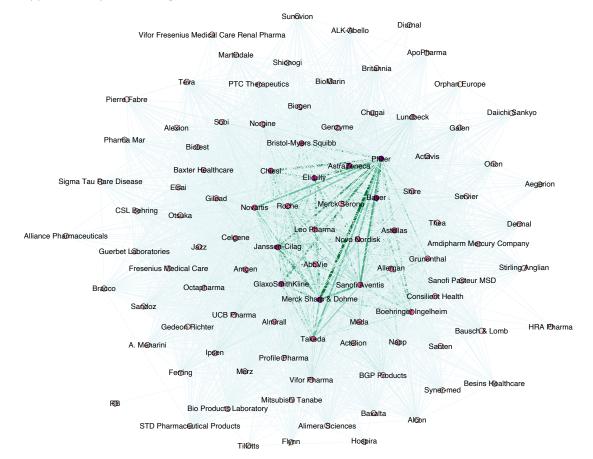
Supplementary File 4. Top 10% of donors in each country

Country	Company (revenue ranking)	Payment value - £ (%)	Payments – n (%)
	Pfizer (2)	5,292,130.74 (10.09)	1636 (8.99)
	Novartis (7)	3,564,500.43 (6.80)	460 (2.53)
	Bayer (8)	3,476,304.44 (6.63)	2110 (11.60)
	GlaxoSmithKline (4)	3,291,496.35 (6.28)	1076 (5.92)
	AstraZeneca (1)	2,779,000.54 (5.30)	1279 (7.03)
England	Janssen-Cilag (10)	2,387,242.64 (4.55)	722 (3.97)
	UCB Pharma (30)	2,204,967.90 (4.20)	74 (0.41)
	Astellas Pharma (21)	2,044,050.60 (3.90)	311 (1.71)
	Roche (5)	1,931,651.77 (3.68)	173 (0.95)
	Biogen Idec (23)	1,886,879.26 (3.60)	83 (0.46)
	Top 10% total	28,858,224.67 (55.03)	7924 (43.56)
	Biogen Idec (24)	733,104.05 (20.09)	7 (0.51)
	Takeda UK (38)	274,952.71 (7.53)	25 (1.82)
	Pfizer (2)	250,859.45 (6.87)	143 (10.44)
Cootland	Bayer (8)	215,930.76 (5.92)	164 (11.97)
Scotland	Novartis (7)	199,703.97 (5.47)	48 (3.50)
	Bristol-Myers Squibb (23)	183,959.00 (5.04)	51 (3.72)
	AstraZeneca (1)	178,848.49 (4.90)	75 (5.47)
	Top 10% total	2,037,358.42 (55.82)	513 (37.45)
	Pfizer (2)	284,719.57 (14.32)	102 (10.30)
	Roche (5)	230,090.90 (11.58)	10 (1.01)
	Novartis (7)	177,069.59 (8.91)	36 (3.64)
Wales	AstraZeneca (1)	148,288.67 (7.46)	79 (7.98)
	Janssen-Cilag (10)	122,237.44 (6.15)	22 (2.22)
	Biogen (24)	112,428.62 (5.66)	7 (0.71)
	Top 10% total	1,074,834.80 (54.07)	256 (25.86)
	Sanofi Aventis (13)	92,252.80 (17.81)	24 (7.72)
	Pfizer (2)	86,639.31 (16.73)	45 (14.47)
Northern Ireland	Napp Pharmaceuticals (29)	83,252.29 (16.07)	45 (14.47)
ii Ciaria	Bayer (8)	37,959.50 (7.33)	75 (24.12)
	Top 10% total	300,103.90 (57.94)	189 (60.77)

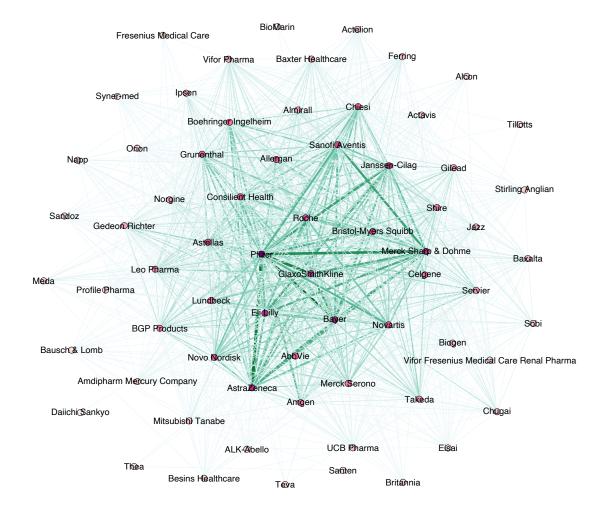
^{*}Value as proportion of all payments in each country

Supplementary File 5. Visualised networks for England (a), Scotland (b), Wales (c), Northern Ireland (d)

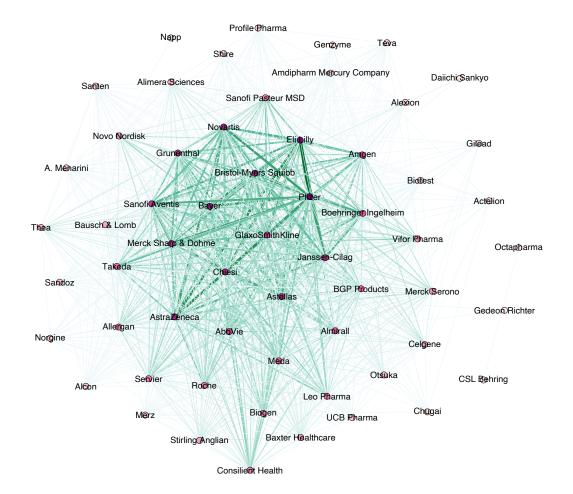
Supplementary File 5a. England's network



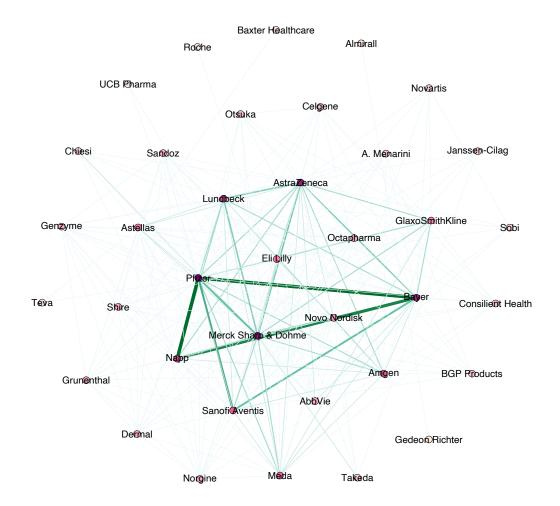
Supplementary File 5b. Scotland's network



Supplementary File 5c. Wales' network



Supplementary File 5d. Northern Ireland's network



Note. All networks were visualised in Gephi v 0.9.2. Node label size and darkness corresponds to the weighted degree centrality of each company; the size and darkness of the edges (connecting lines) correspond to the number of shared recipients between companies

Supplementary File 6. Top ten companies by degree centrality scores in each country

			<u> </u>	y degree centrality scores in each country			
England		Scotland		Wales		Northern Ireland	
Company	Degree	Company	Degree	Company	Degree	Company	Degree
Pfizer (2)	3394	Pfizer (2)	319	Pfizer (2)	206	Pfizer (2)	63
Merck Sharp &						Merck Sharp	
Dohme (6)	3064	Bayer (8)	260	Eli Lilly (3)	196	& Dohme (6)	57
		Merck Sharp				AstraZeneca	
Bayer (8)	3060	& Dohme (6)	251	Bayer (8)	176	(1)	55
		AstraZeneca		AstraZeneca			
AstraZeneca (1)	2755	(1)	245	(1)	171	Bayer (8)	52
				Bristol-Myers			
Eli Lilly (3)	2741	Eli Lilly (3)	245	Squibb (23)	169	Lundbeck (64)	43
Lii Liiiy (3)	2/41	Lii Liiiy (3)	243	3quibb (23)	109	Napp	43
Janssen-Cilag		GlaxoSmithKli				Pharmaceutic	
(10)	2539	ne (4)	241	Novartis (7)	168	als (29)	39
GlaxoSmithKline	2333	Janssen-Cilag	212	Merck Sharp &	100	ais (23)	33
(4)	2531	(10)	227	Dohme (6)	161	Amgen (19)	36
Astellas Pharma		Sanofi Aventis		Astellas		Sanofi Aventis	
(21)	2410	(13)	214	Pharma (21)	160	(13)	36
		Astellas		, ,		Meda Pharma	
Chiesi (27)	2365	Pharma (21)	196	Chiesi (27)	158	(46)	32
. ,		, ,					
Sanofi Aventis		Bristol-Myers		Sanofi Aventis			
(13)	2156	Squibb (23)	193	(13)	156	Eli Lilly (3)	27

Note. Numbers in brackets represent company size (revenue ranking)

Supplementary File 7. Descriptive statistics for each recipient type

Supplementary File 7. Descriptive statistics for each recipient type							
England – types of recipient	Value (%)	Payments – n (%)	Median - £ (IQR)	Recipients – n (%)	Pharmaceutical companies		
Public sector secondary and tertiary care providers	13,349,779.1 (25.56)	6660 (36.87)	233.17 (141.87 – 500)	260 (7.41)	89		
Patient organisation	12,227,843.2 (23.41)	1141 (6.32)	4000 (500 – 11,104)	288 (8.21)	65		
Education and research providers	9,055,882.96 (17.34)	875 (4.84)	1000 (333.34 – 4,798.40)	56 (1.60)	68		
Professional organisations	7,545,121.68 (14.44)	1776 (9.83)	500 (240 – 3,200)	354 (10.09)	84		
Private companies other than providers of health services	3,975,461.63 (7.61)	1443 (7.99)	300 (196.8 – 598.92)	239 (6.81)	56		
Public sector primary care providers	2,416,957.98 (4.63)	2513 (13.91)	434.5 (193.6 – 869)	1809 (51.55)	32		
Private sector healthcare providers	1,322,785.04 (2.53)	463 (2.56)	240 (166 – 588)	108 (3.08)	44		
Healthcare commissioning, planning and regulatory organisations	1,235,239.68 (2.36)	2166 (11.99)	208.17 (160 – 307.2)	206 (5.87)	47		
Charities and other third- sector organisations	876,822.76 (1.68)	366 (2.03)	223.52 (157 – 487.2)	39 (1.11)	40		
Formal bodies representing healthcare professionals or patients	121,351.93 (0.23)	458 (2.54)	200 (160 – 259.8)	68 (1.94)	25		
Alternative providers of health services	93,534.91 (0.18)	180 (1.00)	200 (160 – 394)	62 (1.77)	28		
Public administration and providers of public services	15,335.25 (0.03)	24 (0.13)	394.4 (224.45 – 546.67)	20 (0.57)	10		
All payments	52,445,615.48	18065	280 (160 – 827.75)	3509	100		
Scotland - types of recipient	Value (%)	Payments - n (%)	Median - £ (IQR)	Recipients - n (%)	Pharmaceutical companies (%)		
Healthcare commissioning, planning and regulatory organisations	878,333.57 (24.13)	582 (43.30)	240 (131.18 - 500)	22 (8.30)	53 (73.61)		
Private companies other than providers of health services	740,694.09 (20.35)	25 (1.86)	1,200 (350 - 5,528.88)	11 (4.15)	13 (18.06)		
Education and research providers	708,149.16 (19.46)	141 (10.49)	1152 (400 – 2,880)	8 (3.02)	41 (56.94)		
Patient organisation	620,384.33 (17.05)	52 (3.87)	1000 (253.68 - 9,745)	14 (5.28)	19 (26.39)		
Professional organisations	466,833.11 (12.83)	291 (21.65)	450 (285.67 - 980)	64 (24.15)	52 (72.22)		

Public sector primary care providers	112,308.91 (3.09)	128 (9.52)	434.5 (202.23 - 651,75)	113 (42.64)	13 (18.06)
Private sector healthcare providers	58,091.76 (1.60)	69 (5.13)	647.54 (206.65- 1,500)	11 (4.15)	9 (12.50)
Public sector secondary and tertiary care providers	27,392.82 (0.75)	39 (2.90)	300 (189.75 - 612)	12 (4.53)	11 (15.28)
Charities and other third- sector organisations	19,710 (0.54)	4 (0.30)	1700 (377.5 - 6,250)	2 (0.75)	4 (5.56)
Alternative providers of health services	4,580 (0.13)	6 (0.45)	700 (360 – 1,100)	4 (1.51)	4 (5.56)
Public administration and providers of public services	2,700 (0.07)	5 (0.37)	540 (200 - 600)	3 (1.13)	5 (6.94)
Formal bodies representing healthcare professionals or patients	427.2 (0.01)	2 (0.15)	213.6 (211.4 - 214.8)	1 (0.38)	1 (1.39)
All payments	3,649,749.43	1,344	400 (180 - 864)	265	72
Wales - types of recipient	Value (%)	Payments - n (%)	Median - £ (IQR)	Recipients - n (%)	Pharmaceutical companies (%)
Healthcare commissioning, planning and regulatory organisations	920,980.22 (46.38)	557 (56.61)	225 (114.24 - 486.39)	10 (4.72)	50 (78.13)
Private companies other than providers of health services	179,495.4 (9.04)	56 (5.69)	1475 (216 - 6,600)	10 (4.72)	8 (12.50)
Education and research providers	179,256.38 (9.03)	37 (3.76)	336 (175.2 - 1000)	5 (2.36)	16 (25.00)
Public sector primary care providers	173,268.30 (8.73)	141 (14.33)	800 (434.5 - 1,152)	118 (55.66)	15 (23.44)
Private sector healthcare providers	153,983.36 (7.76)	18 (1.83)	440 (360.94 - 1,732)	6 (2.83)	9 (14.06)
Public administration and providers of public services	108,000 (5.44)	1 (0.10)	-	1 (0.47)	1 (1.56)
Patient organisation	99,784.32 (5.03)	22 (2.24)	747.93 (500 - 2,000)	10 (4.72)	11 (17.19)
Public sector secondary and tertiary care providers	96,862.66 (4.88)	20 (2.03)	253.66 (200 - 954)	3 (1.42)	13 (20.31)
Professional organisations	64,181.82 (3.23)	88 (8.94)	400 (280 - 800)	38 (17.92)	31 (48.44)
Charities and other third- sector organisations	5,036.8 (0.25)	17 (1.73)	120 (120 - 180)	4 (1.89)	7 (10.94)
Formal bodies representing healthcare professionals or patients	4,679.37 (0.24)	27 (2.74)	120 (96 - 142)	7 (3.30)	11 (17.19)
All payments	1,987,702.62	984	300 (144 - 800)	212	64

Northern Ireland - types of recipient	Value (%)	Payments - n (%)	Median - £ (IQR)	Recipients - n (%)	Pharmaceutical companies (%)
Public sector primary care providers	184,903.09 (35.72)	127 (40.97)	600 (434.5 - 1,600)	94 (60.65)	6 (14.29)
Public sector secondary and tertiary care providers	111,743.45 (21.59)	83 (26.77)	288 (163.4 - 490.13)	5 (3.23)	27 (64.29)
Professional organisations	81,489.7 (15.74)	34 (10.97)	600 (320 - 1,784)	21 (13.55)	21 (50.00)
Patient organisation	43,205.6 (8.35)	15 (4.84)	650 (600 - 1,450)	7 (4.52)	14 (33.33)
Education and research providers	32,258 (6.23)	10 (3.23)	1100 (873.75 - 3525)	1 (0.65)	7 (16.67)
Private companies other than providers of health services	26,242.77 (5.07)	6 (1.94)	4179.38 (1,152.19 - 7,687.5)	4 (2.58)	3 (7.14)
Healthcare commissioning, planning and regulatory organisations	22,447.6 (4.34)	7 (2.26)	1500 (470.8 - 4,087)	4 (2.58)	6 (14.29)
Private sector healthcare providers	11,476.85 (2.22)	23 (7.42)	38.49 (28.9 - 485)	16 (10.32)	6 (14.29)
Formal bodies representing healthcare professionals or patients	2,133.34 (0.41)	2 (0.65)	1066.67 (933.33 - 1200.00)	1 (0.65)	1 (2.38)
Alternative providers of health services	1,700 (0.33)	3 (0.97)	600 (550 - 600)	2 (1.29)	2 (4.76)
All payments	517,600.40	310	475.2 (217.25 - 1,357.47)	155	42

Supple	Supplementary File 8. Top 10 recipients in each country								
Country	Recipient	Type of recipient	Value - £	Payments - n	Companies - n				
	King's College London	Education and research providers	2,572,086.51	45	18				
	Bladder and Bowel Foundation	Patient organisation	1,459,371.52	11	1				
	London School Hyg and Tropical Med	Education and research providers	935,025.98	16	6				
	PeerVoice	Private companies other than providers of health services	930,028.30	11	3				
England	University College London	Education and research providers	907,256.40	96	36				
	Diabetes UK - England	Patient organisation	888,845.00	41	7				
	Healthcare At Home	Private sector healthcare providers	872,740.81	18	2				
	Cancer Research UK	Patient organisation	804,543.76	19	9				
	Central Manchester Univ Hosps FT	Public sector secondary and tertiary care providers	739,595.97	108	37				
	British Society for Rheumatology	Professional organisations	543,012.33	31	14				
	Quintiles - Scotland	Private companies other than providers of health services	682,601.65	5	1				
	Myeloma UK	Patient organisation	521,574.36	12	7				
	NHS Greater Glasgow and Clyde	Healthcare commissioning, planning and regulatory organisations	483,354.99	153	34				
	University of Glasgow	Education and research providers	442,707.63	70	26				
	University of Dundee	Education and research providers	160,632.40	20	11				
Scotland	NHS Lothian	Healthcare commissioning, planning and regulatory organisations	144,175.05	73	25				
	University of Edinburgh	Education and research providers	73,014.39	37	21				
	NHS Tayside	Healthcare commissioning, planning and regulatory organisations	67,924.08	74	24				
	NHS Ayrshire and Arran	Healthcare commissioning, planning and regulatory organisations	63,276.93	48	25				
	Digestive Disorders Federation	Professional organisations	60,796.00	2	2				
Wales	Cardiff and Vale University HB	Healthcare commissioning, planning and regulatory organisations	344,131.95	89	28				

	Abertawe Bro Morgannwg Univ HB	Healthcare commissioning, planning and regulatory organisations	242,418.82	124	32
	LloydsPharmacy	Private sector healthcare providers	146,376.00	4	1
	University of Cardiff	Education and research providers	120,822.78	27	13
	Bluebay Medical Systems	Private companies other than providers of health services	116,900.00	26	1
	Hywel Dda University HB	Healthcare commissioning, planning and regulatory organisations	115,600.62	77	27
	National Assembly for Wales	Public administration and providers of public services	108,000.00	1	1
	Betsi Cadwaladr University HB	Healthcare commissioning, planning and regulatory organisations	101,352.58	76	21
	Cwm Taf University Health Board	Healthcare commissioning, planning and regulatory organisations	84,624.15	119	25
	Velindre NHS Trust	Public sector secondary and tertiary care providers	80,629.32	18	13
	Belfast Health and SC Trust	Public sector secondary and tertiary care providers	60,615.65	30	17
	Federation Of Family Practices	Public sector primary care providers	40,235.20	3	3
	UK and Ireland Society of Cataract and Refractive Surgeons - Northern Ireland	Professional organisations	35,000.00	1	1
	Queen's University Belfast	Education and research providers	32,258.00	10	7
Northern Ireland	Northern Health and SC Trust	Public sector secondary and tertiary care providers	23,703.46	14	8
	Medical Communications	Private companies other than providers of health services	23,250.00	3	1
	Adult ADHD - Northern Ireland	Patient organisation	20,000.00	1	1
	Ulster Chemists' Association	Professional organisations	16,584.00	4	3
	Western Health and SC Trust	Public sector secondary and tertiary care providers	15,068.55	12	10
	Cancer Focus Northern Ireland	Patient organisation	12,255.60	2	2

Supplementary File 9. Post-hoc Bonferroni pairwise comparisons between countries of payments per recipient type

payme	ents per recipient	гуре						
Recipient type	Group 1 – Group 2*	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig†,‡	Median (IQR) – group 1 - £	Median (IQR) – group 2 - £
	England- Scotland	-59.003	22.681	-2.601	0.009	0.028	200 (160 – 394)	700 (360 – 1,100)
Alternative providers of health services	England- Northern Ireland	-65.919	31.816	-2.072	0.038	0.115	200 (160 – 394)	600 (550 - 600)
Health services	Scotland- Northern Ireland	6.917	38.645	0.179	0.858	1	700 (360 – 1,100)	600 (550 - 600)
Charities and other third-	England- Scotland	-118.214	56.132	-2.106	0.035	0.106	223.52 (157 – 487.2)	1700 (377.5 - 6,250)
sector organisations	Wales-England	79.844	27.702	2.882	0.004	0.012	120 (120 - 180)	223.52 (157 – 487.2)
organisations	Wales-Scotland	198.059	62.049	3.192	0.001	0.004	120 (120 - 180)	1700 (377.5 - 6,250)
	England- Scotland	-5.623	27.857	-0.202	0.84	1	1000 (333.34 – 4,798.40)	1152 (400 – 2,880)
	England- Northern Ireland	-92.61	97.628	-0.949	0.343	1	1000 (333.34 – 4,798.40)	1100 (873.75 - 3525)
Education and research providers	Scotland- Northern Ireland	86.987	100.458	0.866	0.387	1	1152 (400 - 2,880)	1100 (873.75 - 3525)
	Wales-England	204.193	51.523	3.963	<.001	0	336 (175.2 - 1000)	1000 (333.34 – 4,798.40)
	Wales-Scotland	209.816	56.703	3.7	<.001	0.001	336 (175.2 - 1000)	1152 (400 – 2,880)
	Wales-Northern Ireland	296.803	109.409	2.713	0.007	0.04	336 (175.2 - 1000)	1100 (873.75 - 3525)
	England- Scotland	-46.978	99.854	-0.47	0.638	1	200 (160 – 259.8)	213.6 (211.4 - 214.8)
Formal bodies	England- Northern Ireland	-223.228	99.854	-2.236	0.025	0.152	200 (160 – 259.8)	1066.67 (933.33 - 1200.00)
representing healthcare professionals	Scotland- Northern Ireland	176.25	140.907	1.251	0.211	1	213.6 (211.4 - 214.8)	1066.67 (933.33 - 1200.00)
	Wales-England	138.133	27.905	4.95	<.001	0	120 (96 - 142)	200 (160 – 259.8)
	Wales-Scotland	185.111	103.261	1.793	0.073	0.438	120 (96 - 142)	213.6 (211.4 - 214.8)

	Wales-Northern Ireland	361.361	103.261	3.5	<.001	0.003	120 (96 - 142)	1066.67 (933.33 - 1200.00)
Healthcare commissioning, planning and regulatory organisations	England- Scotland	-122.159	44.623	-2.738	0.006	0.037	208.17 (160 – 307.2)	240 (131.18 - 500)
	England- Northern Ireland	-786.684	361.817	-2.174	0.03	0.178	208.17 (160 – 307.2)	1500 (470.8 - 4,087)
	Scotland- Northern Ireland	664.525	363.4	1.829	0.067	0.405	240 (131.18 - 500)	1500 (470.8 - 4,087)
	Wales-Scotland	94.65	56.651	1.671	0.095	0.569	225 (114.24 - 486.39)	240 (131.18 - 500)
	Wales-Northern Ireland	759.175	363.497	2.089	0.037	0.22	225 (114.24 - 486.39)	1500 (470.8 - 4,087)
	England-Wales	-27.51	45.405	-0.606	0.545	1	208.17 (160 – 307.2)	225 (114.24 - 486.39)
Patient	Wales-England	144.727	77.321	1.872	0.061	0.367	747.93 (500 - 2,000)	4000 (500 – 11,104)
	Wales-Scotland	29.422	91.028	0.323	0.747	1	747.93 (500 - 2,000)	1000 (253.68 - 9,745)
	Northern Ireland-Wales	-8.633	118.686	-0.073	0.942	1	650 (600 - 1,450)	747.93 (500 - 2,000)
organisation	Northern Ireland-Scotland	-38.055	103.121	-0.369	0.712	1	650 (600 - 1,450)	1000 (253.68 - 9,745)
	Northern Ireland-England	153.361	91.248	1.681	0.093	0.557	650 (600 - 1,450)	4000 (500 – 11,104)
	Scotland- England	115.306	50.259	2.294	0.022	0.131	1000 (253.68 - 9,745)	4000 (500 – 11,104)
Private companies other than providers of health services	England- Scotland	-317.041	89.112	-3.558	<.001	0.002	300 (196.8 - 598.92)	1,200 (350 - 5,528.88)
	England- Northern Ireland	-527.308	180.717	-2.918	0.004	0.021	300 (196.8 - 598.92)	4179.38 (1,152.19 - 7,687.5)
	Scotland- Northern Ireland	210.267	200.821	1.047	0.295	1	1,200 (350 - 5,528.88)	4179.38 (1,152.19 - 7,687.5)
	Wales-Scotland	115.061	106.256	1.083	0.279	1	1475 (216 - 6,600)	1,200 (350 - 5,528.88)
	Wales-Northern Ireland	325.327	189.758	1.714	0.086	0.519	1475 (216 - 6,600)	4179.38 (1,152.19 - 7,687.5)

	England-Wales	-201.98	60.166	-3.357	<.001	0.005	300 (196.8 - 598.92)	1475 (216 - 6,600)
Private sector healthcare providers	England- Scotland	-64.982	21.355	-3.043	0.002	0.014	240 (166 – 588)	647.54 (206.65 - 1,500)
	England-Wales	-88.107	39.755	-2.216	0.027	0.16	240 (166 – 588)	440 (360.94 - 1,732)
	Northern Ireland-Wales	-206.778	52.076	-3.971	<.001	0	38.49 (28.9 - 485)	440 (360.94 - 1,732)
	Northern Ireland-Scotland	-183.652	39.843	-4.609	<.001	0	38.49 (28.9 - 485)	647.54 (206.65 - 1,500)
	Northern Ireland-England	118.671	35.352	3.357	<.001	0.005	38.49 (28.9 - 485)	240 (166 – 588)
	Scotland-wales	-23.126	43.797	-0.528	0.597	1	647.54 (206.65 - 1,500)	440 (360.94 - 1,732)
Professional organisations	England- Northern Ireland	-35.169	109.4	-0.321	0.748	1	500 (240 – 3,200)	600 (320 - 1,784)
	Scotland- Northern Ireland	157.615	114.524	1.376	0.169	1	450 (285.67 - 980)	600 (320 - 1,784)
	Wales-England	182.447	69.008	2.644	0.008	0.049	400 (280 - 800)	500 (240 – 3,200)
	Wales-Scotland	60.001	76.873	0.781	0.435	1	400 (280 - 800)	450 (285.67 - 980)
	Wales-Northern Ireland	217.616	127.597	1.705	0.088	0.529	400 (280 - 800)	600 (320 - 1,784)
	Scotland- England	122.446	39.962	3.064	0.002	0.013	450 (285.67 - 980)	500 (240 – 3,200)
Public sector primary care providers	England- Northern Ireland	-355.779	76.292	-4.663	<.001	0	434.5 (193.6 – 869)	600 (434.5 - 1,600)
	Scotland- Northern Ireland	407.76	105.06	3.881	<.001	0.001	434.5 (202.23 - 651,75)	600 (434.5 - 1,600)
	England-Wales	-459.79	72.597	-6.333	<.001	0	434.5 (193.6 – 869)	800 (434.5 - 1,152)
	Northern Ireland-Wales	-104.011	102.62	-1.014	0.311	1	600 (434.5 - 1,600)	800 (434.5 - 1,152)
	Scotland- England	51.98	76.008	0.684	0.494	1	434.5 (202.23 - 651,75)	434.5 (193.6 – 869)
	Scotland-wales	-511.771	102.409	-4.997	<.001	0	434.5 (202.23 - 651,75)	800 (434.5 - 1,152)

^{*}Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

[†]Asymptotic significances (2-sided tests) are displayed. The significance level is .050.

[‡]Significance values have been adjusted by the Bonferroni correction for multiple tests

Supplementary File 10. Post-hoc Bonferroni pairwise comparisons of payment types between countries

Payment Type*	Group 1 – Group 2**	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig†,‡	Median (IQR) – group 1 - £	Median (IQR) – group 2 - £
Contribution to costs of Events	Wales-England	498.254	159.743	3.119	0.002	0.011	223.36 (120 - 400)	240 (155.95 - 400)
	Wales-Scotland	1449.82	208.45	6.955	<.001	0	223.36 (120 - 400)	300 (160 - 600)
	Wales-Northern	2690.485	402.839	6.679	<.001	0	223.36 (120 - 400)	477.6 (200 - 1,147.6)
	England-Scotland	-951.566	143.605	-6.626	<.001	0	240 (155.95 - 400)	300 (160 - 600)
	England-Northern	-2192.23	373.43	-5.871	<.001	0	240 (155.95 - 400)	477.6 (200 - 1,147.6)
	Scotland-Northern	1240.664	396.716	3.127	0.002	0.011	300 (160 - 600)	477.6 (200 - 1,147.6)
Donations and Grants	Wales-England	25.151	94.77	0.265	0.791	1	800 (434.5 - 2,200)	959.98 (256 - 4,800)
	Northern-Scotland	-140.935	137.745	-1.023	0.306	1	434.5 (217.5 - 1,867.5)	651.75 (217.25 - 2,578)
	Northern-Wales	-451.347	142.863	-3.159	0.002	0.009	434.5 (217.5 - 1,867.5)	800 (434.5 - 2,200)
	Northern-England	476.498	111.315	4.281	<.001	0	434.5 (217.5 - 1,867.5)	959.98 (256 - 4,800)
	Scotland-Wales	-310.412	124.755	-2.488	0.013	0.077	651.75 (217.25 - 2,578)	800 (434.5 - 2,200)
	Scotland-England	335.563	86.862	3.863	<.001	0.001	651.75 (217.25 - 2,578)	959.98 (256 - 4,800)

^{*}Kruskal-Wallis results: Contributions to cost of events $\chi 2(3)$ = 89.680, p = .000; Donations and grants $\chi 2(3)$ = 31.698, p = <.000

^{**}Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

[†]Asymptotic significances (2-sided tests) are displayed. The significance level is .050.

[‡]Significance values have been adjusted by the Bonferroni correction for multiple tests.