V. SOURCES OF INFORMATION

- 15. Inflation indices
- 16. NHS staff earnings estimates
- 17. Examples of roles in each Agenda for Change band
- 18. Training costs for health and social care professionals
- 19. Care home fees
- 20. Time use of community care professionals
- 21. Glossary
- 22. References
- 23. List of useful websites
- 24. List of items from previous volumes

15. Inflation indices

15.1 The Building Cost Information Service (BCIS) house rebuilding cost index and the retail price index

The BCIS calculates the house rebuilding cost index for the Association of British Insurers (ABI). The index is based on an average of house types and cannot therefore reflect changes in all rates as regional trends, labour and materials contents differ.¹ The retail price index is a measure of inflation published monthly by the ONS. It measures the change in the cost of a basket of retail goods and services.²

Year	BCIS/ABI ¹		Retail price ²	
	Rebuilding cost index (1988=100)	Annual % increases on previous year	Index (1986/87= 100)	Annual % increases on previous year
2008	243.5	6.5	212.9	0.9
2009	236.9	-2.7	218.0	2.4
2010	239.5	1.1	228.4	4.8
2011	252.0	5.2	239.4	4.8
2012	253.0	0.4	246.8	3.1
2013	257.8	1.9	253.4	2.7
2014	274.8	6.6	257.5	1.6
2015	283.6	3.2	260.6	1.2
2016	292.1	3.0	267.1	2.5
2017	304.4	4.2	278.1	4.1
2018	315.0	3.5	285.6	2.7
2019	323.1	2.6	291.9	2.2
2020	346.4	4.3	295.4	1.2

15.2 Gross domestic product (GDP) deflator and the tender price index for public sector buildings

Her Majesty's Treasury's (HMT) GDP deflator is a measure of general inflation in the domestic economy. HMT produces the GDP deflator from data provided by the ONS and extends the series to future years by applying forecasts of the inflation rate. The data used is taken from the 30 June 2020 publication. The BCIS PUBSEC tender price index (PUBSEC) is used by the ONS to deflate capital expenditure in health and social care.

Year	Gross domestic product ³	Tender price index for public sector building (non-housing) (PUBSEC) ³		
	annual % increases			
		Index (1995=100)	Annual % increases on previous year	
2008	2.9	188	-1.2	
2009	1.6	168	-10.9	
2010	1.5	171	2.2	
2011	1.9	177	3.1	
2012	1.6	184	4.0	
2013	1.9	194	5.9	
2014	1.7	207	6.4	
2015	0.4	209	1.0	
2016	2.1	227	8.9	
2017	2.2	251	10.6	
2018	1.9	260	3.7	
2019	-2.2	264 (provisional)	1.2 (provisional)	

¹ Building Cost Information Service (2019) Indices and forecasts, Royal Institute of Chartered Surveyors, London http://www.rics.org/uk/knowledge/bcis/about-bcis/rebuilding/bcis-house-rebuilding-cost-index/ [accessed 1 October 2019].

² See: <u>http://www.swanlowpark.co.uk/retail-price-index</u> [accessed 1 October 2019].

³ Provided by the Department of Health, 2019.

15.3 The NHS cost inflation index (NHSCII)

Until 2016/2017, a Hospital & Community Health Services (HCHS) index was calculated by the DHSC. The HCHS pay and price inflation index was a weighted average of two separate inflation indices: the pay index was calculated using the annual increase in NHS salaries and the Health Service Cost Index (HSCI) measured the price change for each of 40 sub-indices of goods and services purchased by the HCHS. These were weighted according to the proportion of expenditure on Pay & Prices to give the HCHS Pay & Prices index. In 2016, this index was discontinued, and has now been replaced by the NHS Cost Inflation Index (NHSCII) constructed by the DHSC, in conjunction with the ONS who have worked with the NHS and the University of York to address the gap.

The NHSCII identifies an appropriate inflation measure for each item of spend in four broad categories: NHS providers, general practice, prescribing and dentistry to create an overall inflation measure for the NHS. This index gives a more accurate measure of productivity than previously.

Please note: the figures for 2020/2021 are provisional as there will be a further cut in ~1 years' time which will use extra data and be used for the ONS and York University productivity reports.

	HCHS/	NHS inflators all sectors			
Annual % increases on previous year					
Year	HCHS prices	HCHS pay	HCHS Pay & Prices		
2009/2010	-1.30	1.80	0.60		
2010/2011	2.80	3.10	3.00		
2011/2012	4.10	0.90	2.10		
2012/2013	3.10	0.90	1.70		
2013/2014	1.80	0.70	1.10		
2014/2015	1.70	0.30	0.90		
2015/2016	2.70	0.30	1.30		
	Annual %	increases on previous year			
	NHSCII prices	NHSCII pay	NHSCII Pay & Prices		
2015/2016	0.45	0.30	0.35		
2016/2017	2.16	2.10	2.12		
2017/2018	1.07	1.22	1.16		
2018/2019	2.43	2.24	2.31		
2019/2020	1.62	2.53	2.21		
2020/2021	0.22	4.93	3.08		

15.4 The Personal Social Services (PSS) Pay & Prices index

The Adult PSS Pay & Prices Index is calculated by the Department of Health and Social Care (DHSC). This year we have agreed with them to use Skills for Care (SfC) data to calculate the Pay percentages from 2019/20 onwards, in place of the Annual Survey of Hours and Earnings (ASHE) data used for previous years. Skills for Care data are taken from the Adult Social Care Workforce Data Set (ASC-WDS) which consists of non-mandatory returns from the independent sector (covering 51% of all CQC regulated locations) and mandatory returns from all local authorities in England. Skills for Care weight the independent sector returns to remove any geographical, service type and sector biases. We checked that the Skills for Care and ASHE Pay percentages for 2013/14 to 2018/19 are closely comparable. They are very similar, though the Skills for Care data do show lower overall pay inflation for local authority staff over that period.

Year	PSS all sectors, adults only ¹				
	Annual % increases on previous year				
	Pay & prices (excluding capital)	Pay & prices (including capital)	Рау	Pay data source	
2008/2009	2.9	2.5	3.0	ASHE	
2009/2010	2.2	0.7	2.4	ASHE	
2010/2011	2.1	2.1	2.2	ASHE	
2011/2012	0.1	0.5	-0.4	ASHE	
2012/2013	0.7	1.0	0.2	ASHE	
2013/2014	1.0	1.5	0.7	ASHE	
2014/2015	1.1	1.7	0.9	ASHE	
2015/2016	1.9	1.8	2.3	ASHE	
2016/2017	3.4	4.0	3.8	ASHE	
2017/2018	2.5	3.4	2.7	ASHE	
2018/2019	3.1	3.1	3.4	ASHE	
2019/2020	3.5	3.2	3.8	SfC	
2020/2021	4.1	3.6	4.9	SfC	

¹Provided by the Department of Health, 2020.

15.4.2 The PSS annual percentage increases for adult local authority services

Year	PSS local authority, adults only ¹ Annual % increases on previous year				
	Pay & prices (excluding capital)	Pay & prices (including capital)	Рау	Pay data source	
2008/2009	3.1	2.6	3.2	ASHE	
2009/2010	2.1	0.7	2.3	ASHE	
2010/2011	1.9	1.9	1.9	ASHE	
2011/2012	0.5	0.8	0.2	ASHE	
2012/2013	0.4	0.8	-0.1	ASHE	
2013/2014	1.5	2.0	1.4	ASHE	
2014/2015	1.0	1.6	0.9	ASHE	
2015/2016	3.2	3.0	4.1	ASHE	
2016/2017	1.3	2.1	0.9	ASHE	
2017/2018	2.6	3.5	2.9	ASHE	
2018/2019	2.7	2.8	2.8	ASHE	
2019/2020	3.5	3.2	3.8	SfC	
2020/2021	1.4	1.3	1.3	SfC	

¹ Provided by the Department of Health, 2020.

Year	PSS independent care, adults only ¹ Annual % increases on previous year				
	Pay & prices (excluding capital)	Pay & prices (including capital)	Рау	Pay data source	
2010/2011	2.1	2.1	2.2	ASHE	
2011/2012	0.1	0.4	-0.4	ASHE	
2012/2013	0.7	1.1	0.2	ASHE	
2013/2014	0.9	1.4	0.6	ASHE	
2014/2015	1.1	1.7	0.9	ASHE	
2015/2016	1.8	1.7	2.1	ASHE	
2016/2017	3.7	4.3	4.1	ASHE	
2017/2018	2.5	3.4	2.7	ASHE	
2018/2019	3.1	3.2	3.4	ASHE	
2019/2020	3.5	3.3	3.9	SfC	
2020/2021	4.5	3.9	5.4	SfC	

15.4.3 The PSS annual percentage increases for adult independent sector services

¹ Provided by the Department of Health and Social Care, 2021.

16. NHS staff earnings estimates¹

16.1 Mean annual basic pay per FTE for non-medical occupational groupings, NHS England

Non-medical occupational grouping	Mean annual basic pay per FTE	
Ambulance staff	£27,996	
Administration and estates staff	£31,043	
Healthcare assistants and other support staff	£19,471	
Nursing, midwifery and health visiting staff	£32,073	
Nursing, midwifery and health visiting learners	£23,368	
Scientific, therapeutic and technical staff	£34,843	
Healthcare scientists	£32,104	

16.2 Mean annual basic pay per FTE for nursing, midwifery & health visiting staff by Agenda for Change band, NHS England

Band	Mean annual basic pay per FTE
Band 2	Not available
Band 3	Not available
Band 4	£22,246
Band 5	£28,074
Band 6	£35,118
Band 7	£42,376
Band 8a	£48,334
Band 8b	£56,907
Band 8c	£67,356
Band 8d	£79,639
Band 9	£95,285

16.3 Mean annual basic pay per FTE for allied health professional staff by Agenda for Change band, NHS England

Band	Mean annual basic pay per FTE
Band 4	£23,387
Band 5	£25,975
Band 6	£34,736
Band 7	£42,556
Band 8a	£49,149
Band 8b	£58,212
Band 8c	£69,322
Band 8d	£82,843
Band 9	£100,586

¹ Salaries have been provided by NHS Digital and more specific enquiries relating to pay by grade or staff group should be directed to them: <u>https//digital.nhs.uk/</u>.

16.4 Mean annual basic pay per FTE for administration and estates staff by Agenda for Change band, NHS England

Band	Mean annual basic pay per FTE
Band 1	£18,006
Band 2	£18,873
Band 3	£20,699
Band 4	£23,221
Band 5	£27,815
Band 6	£34,855
Band 7	£42,212
Band 8a	£48,484
Band 8b	£57,374
Band 8c	£68,556
Band 8d	£81,705
Band 9	£98,254

16.5 Mean annual basic pay per FTE for NHS staff groups

NHS staff group	Mean basic salary per full-time equivalent	
All nurses, midwives and health visiting staff		
Qualified	£34,459	
Nursery nurses and nursing assistants	£20,536	
Science technical & therapeutic staff (ST&T): allied health		
professionals		
Qualified	£37,244	
Unqualified	£21,433	
ST&T staff: other		
Qualified	£39,422	
Unqualified	£22,722	
Ambulance staff		
Qualified	£33,487	
Unqualified	£20,932	
Former pay negotiating council groups		
Senior managers	£84,051	
Managers	£55,487	
Administrative and clerical staff	£26,136	
Maintenance and works staff	£23,914	

Source of tables 16.1-16.5: NHS Digital (2019) NHS staff earnings estimates, 12-month period from April 2020 – March 2021 (not publicly available), NHS Digital, Leeds.

General notes for NHS earnings estimates

Inspection of data suggests that discretionary point payments are sometimes included with basic pay for consultants.

These figures represent payments made using the Electronic Staff Record (ESR) to NHS staff who are directly paid by NHS organisations. It does not include, for example, elements of pay for clinical staff which are paid to the individual by universities, or other non-NHS organisations providing NHS care.

Figures based on data from all NHS organisations who are using ESR (two Foundation Trusts have not taken up ESR).

17. Examples of roles in each Agenda for Change band

Allied health professionals

Physiotherapist

Band 2	Clinical support worker (physiotherapy)
Band 3	Clinical support worker higher level (physiotherapy)
Band 5	Physiotherapist
Band 6	Physiotherapist specialist
Band 7	Physiotherapist advanced, specialist physiotherapist, physiotherapy team manager
Band 8a	Physiotherapist principal
Bands 8a-b	Physiotherapist consultant

Occupational therapist

Band 2	Clinical support worker (occupational therapy)
Band 3	Clinical support worker higher level (occupational therapy)
Band 4	Occupational therapy technician
Band 5	Occupational therapist
Band 6	Occupational therapist specialist
Band 7	Occupational therapist advanced/team manager
Band 8a	Occupational therapist principal
Bands 8a-b	Occupational therapist consultant

Speech and language therapist

Band 2	Clinical support worker (speech and language therapy)						
Band 3	Clinical support worker higher level (speech and language therapy)						
Band 4	Speech and language therapy assistant/associate practitioner						
Band 5	Speech and language therapist						
Band 6	Speech and language therapist specialist						
Band 7	Speech and language therapist advanced						
Band 8a	Speech and language therapist principal						
Bands 8a-c	Speech and language therapist consultant						

Chiropodist/Podiatrist

Band 2	Clinical support worker (podiatry)
Band 3	Clinical support worker higher level (podiatry)
Band 4	Podiatry technician
Band 5	Podiatrist
Band 6	Podiatrist specialist
Band 7	Podiatrist advanced/team manager
Band 8a	Podiatrist principal
Bands 8a-b	Podiatric registrar
Bands 8c-d	Podiatric consultant
Band 9	Podiatric consultant

Psychologist

Band 4	Clinical psychology assistant practitioner
Band 5	Clinical psychology assistant practitioner higher level, Counsellor entry level
Band 6	Clinical psychology trainee, Counsellor
Band 7	Clinical psychologist, Counsellor specialist
Bands 8a-b	Clinical psychologist principal
Bands 8a-c	Counsellor professional manager/consultant
Bands 8c-d	Clinical psychologist consultant
Bands 8d & 9	Professional lead/Head of psychology services

Pharmacist

Band 2	Pharmacy support worker					
Band 3	Pharmacy support worker higher level					
Band 4	Pharmacy technician					
Band 5	Pharmacy technician higher level/Pharmacist entry level					
Band 6	Pharmacist					
Band 7	Pharmacist specialist					
Bands 8a-b	Pharmacist advanced					
Bands 8b-c	Pharmacist team manager					
Bands 8b-d	Pharmacist consultant					
Bands 8c-Band 9	Bands 8c-Band 9 Professional manager pharmaceutical services					

18. Training costs of health and social care professionals

Tables 18.1 and 18.2 provide a breakdown of the training costs incurred using standard estimation approaches.¹ The investment costs of education should be included when evaluating the cost-effectiveness of different approaches to using health service staff so that all the costs implicit in changing the professional mix are considered. For the most part, these investment costs are borne by the wider NHS and individuals undertaking the training, rather than NHS trusts. The tables show details of the total investment incurred during the working life of the professional **after allowing for the distribution of the costs over time.** The expected working life of the professional, based on previous research carried out at PSSRU, has been noted in brackets in Table 18.1 after the title of the professional group.²

The cost of training for health service professionals covers both pre-registration and post-graduation training. They include the costs of tuition; infrastructure costs (such as libraries); costs or benefits from clinical placement activities; and lost production costs during the period of training where staff are away from their posts. Although further training is available to all professionals to enable them to progress to higher grades, the cost of post-graduate training is only known for doctors. Each year after registration a substantial proportion of the salary (100% or 60% depending on the level of seniority) can be attributed to the investment costs of training for subsequent stages in the doctor's career. This cost, together with additional expenditure representing infrastructure costs for maintaining post-graduate medical education, is taken as the total training cost for that year. During training Health Education England pays 50 per cent of the professional's salary plus oncosts to the employing NHS Trust.

		Pre-registration		Тс	otals
Professional (working life in years)	Tuition ³	Living expenses/lost production costs ⁴	Clinical placement⁵	Total investment	Expected annual cost discounted at 3.5%
Scientific and professional					
Physiotherapist (24.3)	£26,822	£34,980	£4,742	£66,544	£5,446
Occupational therapist (23.5)	£26,822	£34,980	£4,742	£66,544	£5,454
Speech and language therapist (24.7)	£26,822	£34,980	£4,742	£66,544	£5,592
Dietitian (23.3)	£26,822	£34,980	£4,742	£66,544	£5,659
Radiographer (24.3)	£26,822	£34,980	£4,742	£66,544	£5,423
Hospital pharmacist (27.6)	£35,165	£44,912	£40,607	£120,685	£9,359
Community pharmacist (27.6)	£35,165	£44,912	£26,652	£106,729	£8,340
Psychologist (not estimated by					
PSSRU) ⁶					
Nurse (24)	£26,822	£34,980	£4,742	£66,544	£8,744
Social worker (19) (degree)	£26,822	£34,980	£6,474	£68,277	£9,469

18.1 Training costs of health and social care professionals, excluding doctors

¹ Netten, A., Knight, J., Dennett, J., Cooley, R. & Slight, A. (1998) Development of a ready reckoner for staff costs in the NHS, Vols 1 & 2, Personal Social Services Research Unit, University of Kent, Canterbury.

² Estimates of expected working life have been calculated using the 2001 census and where possible, the 2017/18 Labour Force Survey.

³ Based on the maximum fee loan; https://www.thecompleteuniversityguide.co.uk/university-tuition-fees/university-tuition-fees-and-financial-support/ifyou-come-from-england/ [accessed October 2019].

⁴ Drawn from https://university.which.co.uk/advice/student-finance/whats-the-average-cost-of-living-at-university [accessed October 2019].

⁵ The placement tariff for non-medical placements is £3,270+MFF per annum in 2019/20 Gov.uk (2019) Education & Training Tariffs,

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/791560/education-and-training-tariffs-2019-to-2020.pdf [accessed October, 2019).

⁶ NHS England (2016) Review of clinical and educational psychology training arrangements, National College for Teaching and Leadership, London.

18.2 Training costs of doctors (after discounting)

Doctor (working life in years)	Tuition	Living expenses/lost production costs	Clinical placement	Placement fee ^{1,2} plus Market Forces Factor	Salary (inc overheads) and post-graduate centre costs	Total investment	Expected annual cost discounted at 3.5%
Doctor (22)							
Pre-registration training: years 1- 5	£45,256	£55,425	£146,868	NA		£247,549	£20,324
Post-graduate							
Foundation officer 1 (included in pre-reg training)	£45,256	£55,425	£146,868	£10,754	£54,483	£312,785	£25,680
Foundation officer 2	£45,256	£55,425	£146,868	£20,276	£59,676	£327,500	£28.478
Registrar group	£45,256	£55,425	£146,868	£40,155	£110,925	£398,629	£40,216
Associate specialist	£45,256	£55,425	£146,868	£48,496	£148,367	£444,411	£47,479
GP	£45,256	£55,425	£146,868	NA	£157,618	£405,166	£43,287
Consultant	£45,256	£55,425	£146,868	£65,144	£218,124	£530,816	£60,873

 ¹ Gov.uk (2019) Education & Training Tariffs, <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/791560/education-and-training-tariffs-2019-to-2020.pdf</u> [accessed October, 2019).
 ² Placement fees for post-graduate doctors in training before discounting are: Foundation Officer 1 £12,772; Foundation Officer 2 £24,924; Registrar £51,088; Associate specialist £63,860; Consultants £88,784. Tariff for placement activity should also include a market forces factor. Placement fees are not provided for GP placements.

19. Care home fees

The fees reported in this schema have been calculated using the Laing & Buisson Care Homes Complete Dataset 2018/2019 and uprated to provide a 2020/2021 figures. New data was not available due to staff shortages caused by the Covid-19 pandemic.¹ Table 1 provides the midpoints of the minimum and maximum fees paid to for-profit providers of nursing and residential homes in England, presented by client group. It also provides the median of the minimum and maximum fee. Table 2 provides the same information but for non-profit providers.

Table 1 - Care home fees in England – for-profit providers

	Midpoint of Minimum fee	Midpoint of Maximum fee	Median of min and max fee	Midpoint of Minimum fee	Midpoint of Maximum fee	Median of min and max fee
		Nursing Homes		R	esidential Homes	
Dementia	£796	£1,126	£961	£654	£918	£786
Learning disability	£700	£2,050	£1,376	£679	£1,746	£1,214
Mental health	£1,145	£1,223	£1,184	£498	£1,289	£892
Older people (65+)	£773	£974	£873	£635	£817	£726
Physical disability	£1,346	£1,497	£1,421	£410	£474	£442

Minimum and maximum fees for 2020/2021

Table 2 Care home fees in England – non-profit providers

Minimum and maximum fees for 2020/2021

	Midpoint of Minimum fee	Midpoint of Maximum fee	Midpoint between min	Midpoint of Minimum fee	Midpoint of Maximum fee	Midpoint between min and max fee
		Nursing Homes	and max fee	Re	sidential Homes	
Dementia	£1,058	£1,262	£1,160	£667	£820	£744
Learning disability				£1,133	£1,551	£1,343
Mental health	£806		£806	£702	£757	£730
Older people (65+)	£870	£1,134	£1,003	£622	£802	£712
Physical disability				£955	£1,893	£1,424

¹ Laing & Buisson (2019) Laing & Buisson Care Homes Complete Dataset 2018/2019, Laing & Buisson, London.

20. Time use of community care professionals

The following table provides information from an online survey carried out by PSSRU in 2014/2015 (see Preface to the *Unit Costs of Health & Social Care 2015* for more details). The link for the survey was distributed non-selectively through various channels. Given the small sample from which the ratios of direct to indirect time have been calculated, the ratios have not been used in the unit cost calculations, but have been tabulated here so that readers can use them where appropriate.

Community professionals	Sample size	Average number of hours worked (including unpaid overtime)	% of hours worked spent with patients	% of hours worked spent on other patient-related tasks (a)	% of hours worked spent on non-direct activities (b)	Other time (definition not provided but includes travel)	Average mileage per professional per week	Ratios of direct to indirect time on: client-related work
Nurses								
(bands 5 and 6)	44	39	54%	29%	13%	5%	102	1:0.20
(bands 7 and 8)	31	40	42%	33%	19%	6%	71	1:0.33
Physiotherapists (bands 5-8)	11	41	35%	38%	22%	5%	132	1:0.37
Occupational therapists (bands 4-7)	6	40	51%	36%	11%	2%	42	1:0.15
Speech and language therapists (bands 5-6)	7	40	38%	50%	9%	3%	84	1:0.14

Clinical psychologists: Ratio of direct to indirect time on face-to-face contacts to all activity: 1:2:03 based on information taken from a study by Professor John Marsden and Colleagues.¹

¹ Marsden, J., Stillwell, G., James, K., Shearer, J., Byford, S., Hellier, J., Kelleher, M., Kelly, J., Murphy, C. & Mitcheson, L. (2019) Efficacy and cost-effectiveness of an adjunctive personalized psychosocial intervention in treatmentresistant maintenance opioid agonist therapy: a pragmatic, open-label, randomized controlled trial, *The Lancet*, 6, 5, 391-402.

21. Glossary

Annuitising Converting a capital investment (such as the cost of a building) into the annual equivalent cost for the period over which the investment is expected to last.

Child And Adolescent Mental Health Services (CAMHS) is a name for <u>NHS</u>-provided services for children and young peoplewith <u>mental health</u> needs in the <u>UK</u>. In the UK they are often organised around a tier system. Tier 3 services, for example, are typically multidisciplinary in nature and the staff come from a range of professional backgrounds.

Capital overheads The cost of buildings, fixtures and fittings employed in the production of a service.

Care package costs Total costs for all services received by a patient.

Department for Work and Pensions (DWP) is the largest government department in the <u>United Kingdom</u>, created on 8 June 2001, from the merger of the employment part of the <u>Department for Education and Employment</u> and the <u>Department of Social Security</u> and headed by the <u>Secretary of State for Work and Pensions</u>, a <u>Cabinet</u> position.

Discounting Adjusting costs using the time preference rate spread over a period of time to reflect their value at a base year. **Durables** Items such as furniture and fittings.

Long-term The period during which fixed costs such as capital can be varied.

Marginal cost The cost of an additional unit of a service.

Oncosts Essential associated costs: salary oncosts, for example, include the employer's national insurance contributions. **Opportunity cost** The value of the alternative use of the assets tied up in the production of the service.

Short-term The period during which durable assets cannot be immediately added to or removed from the existing stock of resources.

Time preference rate The rate at which future costs or benefits are valued in comparison to current or base year's costs or benefits.

Overheads

NHS overheads

Management and other non-care staff overheads include administration and estates staff.

Non-staff overheads include costs to the provider for office, travel/transport and telephone, education and training, supplies and services (clinical and general), as well as utilities such as water, gas and electricity.

Local authority overheads

Direct overheads include costs to the provider for administration and management, as well as for office, training and utilities such as water, gas and electricity.

Indirect overheads include general management and support services, such as finance and human resource departments.

SSMSS Social services management and support services: overhead costs incurred by a local authority, as defined by CIPFA guidelines. These include indirect overheads such as finance and personnel functions.

Time use and unit costs

Per average stay Cost per person for the average duration of a typical stay in that residential facility or hospital.

- **Per client/patient hour** Cost of providing the service for one hour of client/patient attendance. The costs of time not spent with clients are allocated to the time spent with clients.
- **Per clinic visit** Cost of one client attending a clinic. This allows for overall time spent on non-clinical activity to be allocated to the total time spent with clients in any setting.
- **Per consultation** Cost per attendance in a clinic or surgery. This also allows for overall time spent on non-clinical activity to be allocated to the total time spent with clients.
- Fee per resident week For example, in care homes the fee charged is assumed to cover care costs, accommodation and hotel costs, ancillary costs and operator's profit.

Per example episode Cost of a typical episode of care, comprising several hours of a professional's time.

- **Per home visit** Cost of one visit to a client/patient at home. This includes the cost of time spent travelling for the visit, the proportion of time spent on non-clinical activity which is attributable to visiting patients in their own home, and the time spent on visiting patients at home.
- **Per hour of home visiting** Cost of one hour spent by a professional undertaking visits to clients/patients at home. This includes the cost of time spent travelling. It also allows for overall time spent on non-clinical/patient activity to be allocated to the total time spent with clients/patients in any setting.
- **Per hour in clinic** Cost of one hour spent by a professional in a clinic. Time spent on non-clinical activity is allocated to the total time spent with clients/patients in any setting.
- **Per hour of direct contact/per hour of face-to-face contact** Hourly cost of time spent with, or in direct contact with, the client/patient. Some studies include travel time in this cost. When this is the case, it has been noted in the schema.
- **Per hour on duty** Hourly cost of time spent by a hospital doctor when on duty. This includes time spent on call when not actually working.
- **Per hour worked** Hourly cost of time spent by a hospital doctor when working. This may be during the normal working day or during a period of on-call duty.
- Per inpatient day Cost per person of one day and overnight in hospital.
- Per patient day Cost per person of receiving a service for one day.
- **Per procedure** Cost of a procedure undertaken in a clinic or surgery. This includes the cost of time spent on non-clinical activity and the total time spent with clients.
- Per resident week Cost per person per week spent in a residential facility.
- Per client attendance Cost per person per attendance.
- **Per client session** Cost for one person attending one session. The length of a session will be specified in the schema and may vary between services.
- **Per short-term resident week** Total weekly cost of supporting a temporary resident of a residential facility. **Price base** The year to which cost information refers.
- Ratio of direct to indirect time spent on client/patient-related work/direct outputs/face-to-face contact/clinic contacts/home visits The relationship between the time spent on direct activities (such as face-to-face contact) and time spent on other activities. For example, if the ratio of face-to-face contact to other activities is 1:1.5, each hour spent with a client requires 2.5 paid hours.

22. References

- Anell, A. (2015) The Public-Private Pendulum Patient Choice and Equity in Sweden, *New England Journal of Medicine*, 372, 1, 1–4.
- Anell, A., Dietrichson, J., Ellegård, L. & Kjellsson, G. (2017) *Information, Switching Cost, and Consumer Choice: Evidence from Two Randomised Field Experiments in Swedish Primary Care*, Working paper 2017:7. Department of Economics, Lund University.
- Baker, S., & Lloyd, C. (2012) *A national study of acute care Alcohol Health Workers*, Alcohol Research UK. http://alcoholresearchuk.org/downloads/finalReports/FinalReport_0115.pdf.
- Ball, J. & Philippou, J. with Pike, G. & Sethi, J., (2014) *Survey of district and community nurses in 2013*, Report to the Royal College of Nursing, King's College London.
- Bauer, A., Fernandez, J.L., Knapp, M. & Anigbogu, B. (2013) Economic Evaluation of an "Experts by Experience" Model in Basildon District, <u>http://www.turning-point.co.uk/media/23691/basildon_lse_report.pdf [accessed</u> 20 November 2014]
- Bauer, A., Wistow, G., Dixon, J. & Knapp, M. (2014) Investing in advocacy for parents with learning disabilities: what is the economic argument? *British Journal of Learning Disabilities*, doi: 10.111.bld.12089.
- Beresford, B., Stuttard, L., Clarke, S., Maddison, J. & Beecham, J. (2012) *Managing behaviour and sleep problems in disabled children: An investigation into the effectiveness and costs of parent-training interventions*, Research Report DFE-RR204a, Department for Education, London.
- Beresford, B., Mayhew, E., Duarte, A., Faria, R., Weatherly, H., Mann, R., Parker, G., Aspinal, F. & Kanaan, M. (2019) *Outcomes* of reablement and their measurement: Findings from an evaluation of English reablement services, Health and Social Care in the Community,

http://eprints.whiterose.ac.uk/147719/3/Beresford et al 2019 Health Social Care in the Community.pdf

- Blix, M., & Jeansson,J. (2019) Telemedicine and the Welfare State : The Swedish Experience. In Digital Transformation and Public Services, edited by Anthony Larsson and Robin Teigland, 15–32. Taylor & Francis, <u>https://doi.org/10.4324/9780429319297-2</u> [accessed 1 October 2020]
- Bollington, L. & John, D. (2012) *Pharmacy education and training in the hospital service in Wales: Identifying demand and developing capacity*, STS Publishing, Cardiff.
- Bonin, E., Beecham, J., Dance, C. & Farmer, E. (2013) Support for adoption: the first six months, *British Journal of Social Work*, published online 28 February 2013.
- British Association of Social Workers (2011) *Social work careers*, British Association of Social Workers, <u>www.basw.co.uk/social-work-careers/</u> [accessed 25 July 2013].
- British Society of Rehabilitation Medicine (2015) Specialised neurorehabilitation service standards, BSRM London.
- British Society of Rehabilitation Medicine (2013) *Core standards and major trauma*, London: <u>http://www.bsrm.co.uk/Publications.html#BSRMstandards [accessed 10 November 2015]</u>
- Building Cost Information Service (2019) Indices and forecasts, BCIS, Royal Institute of Chartered Surveyors, London.

Building Cost Information Service (2017) Surveys of tender prices, BCIS, Royal Institute of Chartered Surveyors, London.

- Burch, K., Green, C., Merrell, S., Taylor, V. & Wise, S. (2017) Social Care innovations in Hampshire and the Isle of Wight, Evaluation Report, Department for Education, <u>http://innovationcsc.co.uk/wp-content/uploads/2017/11/1.2.49-</u> <u>Hampshire_and_IOW_Evaluation_Report_March_2017.pdf</u>.
- Butler, C., Holdsworth, L. Coulton, S. & Gage, H. (2012) Evaluation of a hospice rapid response community service: a controlled evaluation, *BMC Palliative Care*, 11, 11, doi:10.1186/1472-684X-11-11
- Campbell, J., Fletcher, E., Britten, N., Green, C., Holt, T., Lattimer, V., Richards, D., Richards, S. Salisbury, C., Calitri, R., Bowyer, V., Chaplin, K., Kandiyali, R., Murdoch, J., Roscoe, J., Varley, A., Warren, F., & Taylor, R. (2014) Telephone triage for management of same-day consultation requests in general practice (the ESTEEM trial): a cluster-randomised controlled trial and cost-consequence analysis, *The Lancet*,. Doi: 10.1016/S0140-6736(14)61058-8 [accessed 4 November 2015]
- Campbell, J., Fletcher, E., Britten, N., Green, C., Holt, V., Lattimer, V., Richards, D., Richards, S., Salisbury, C., Taylor, R., Calitri, R., Bowyer, V., Chaplin, K., Kandiyali, R., Murdoch, J., Price, L., Roscoe, J., Varley, A. & Warren., F. (2015) The clinical effectiveness and cost-effectiveness of telephone triage for managing same-day consultation requests in general practice: a cluster randomised controlled trial comparing general practitioner-led management systems with usual care (the ESTEEN trial), *Health Technology Assessment*, 19,13, DOI 10.3310/hta 19130.

- Career Trend (2017) What is the job description of a community outreach worker? <u>https://careertrend.com/about-4618849-job-description-community-outreach-worker.html</u>
- Clinical Reference Group Specialist Services Specification (2012) *Specialist rehabilitation for patients with highly complex needs,* London <u>http://www.england.nhs.uk/commissioning/spec-services/npc-crg/group-d/d02/) [accessed</u> 10 November 2015.
- CMA Competition & Markets Authority (2017) Care homes market study, Final report, <u>https://assets.publishing.service.gov.uk/media/5a1fdf30e5274a750b82533a/care-homes-market-study-final-</u> <u>report.pdf</u>Curtis, L., Moriarty, J. & Netten, A. (2012) The costs of qualifying a social worker, *British Journal of Social Work*, 42, 4, 706-724.
- Curtis, L. & Beecham, J. (2018) A survey of local authorities and Home Improvement Agencies: Identifying the hidden costs of providing a home adaptations service, *British Journal of Occupational Therapy*, <u>http://journals.sagepub.com/doi/full/10.1177/0308022618771534</u>
- Dance, C., Ouwejan, D., Beecham, J. & Farmer, E. (2008) Adoption agency linking and matching practice in adoption in England and Wales, Survey Findings, Research Brief DCSF-RBX-16-08, Department for Education, London. <u>https://www.education.gov.uk/publications/standard/publicationDetail/Page1/DCSF-RBX-16-08/</u> [accessed 25 July 2013].
- Day, L., Scott,L. & Smith, K. (2017) Evaluation of the Sefton Community Adolescent Service (CAS), Department for Education. <u>http://innovationcsc.co.uk/wp-content/uploads/2017/11/1.2.68-</u> <u>Evaluation of the Sefton Community Adolescent Service-1.pdf</u>.
- Dayson, C. & Bashir, N. (2014) *The social and economic impact of the Rotherham Social Prescribing Pilot: Main Evaluation Report*, Centre for Regional Economic Research, Sheffield Hallam University, Sheffield. <u>https://www4.shu.ac.uk/research/cresr/sites/shu.ac.uk/files/social-economic-impact-rotherham.pdf</u>.
- Dayson, C., & Bennett, E. (2016) *Evaluation of Doncaster Social Prescribing Service: understanding outcomes and impact,* <u>http://www.syha.co.uk/wp-content/uploads/2017/01/Evaluation-of-Doncaster-Social-Prescribing-Service-Final-Report-</u> <u>.pdf</u>
- Department for Education (2012) *Children in care*, Department for Education, London. <u>http://www.education.gov.uk/childrenandyoungpeople/safeguardingchildren/a0068940/children-in-care/</u> [accessed 10 September 2013].
- Department for Education (2012) *Children's homes in England data pack*, Department for Education, London. <u>http://media.education.gov.uk/assets/files/pdf/c/childrens%20homes%20data%20pack%20march%202012.pdf</u> [accessed 15 July 2013].
- Department for Education (2013) *Data pack: improving permanence for looked after children*, Department for Education, London. <u>http://www.education.gov.uk/a00227754/looked-after-children-data-pack/</u> [accessed 1 October 2013].
- Department for Education (2013) Statutory guidance on adoption, For local authorities, voluntary adoption agencies and adoption support agencies,

- Department for Education (2014) *Children's social care innovation programme*, Department for Education, London. <u>https://www.gov.uk/government/publications/childrens-services-innovation-programme</u> [accessed 17 July 2014].
- Department for Education (2014) Underlying data of the section 251 data archive: outturn summary 2013-14, Department for Education, London. <u>https://www.gov.uk/government/publications/section-251-outturn-2013-to-2014-data</u> [accessed 14 October 2015].
- Department for Education (2015) *Children looked after in England including adoption and care leavers, year ending 31 March 2014, SSDA903,* Department for Education, London. Data provided by DfE. .
- https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/359277/SFR36_2014_Text.pdf Department for Education (2019) *Children looked after in England including adoption: 2017 to 2018,*
- https://www.gov.uk/government/statistics/children-looked-after-in-england-including-adoption-2017-to-2018

Department for Education (2019) Experimental statistics: Children and family social work workforce in England, year ending 30 September 2018.

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/681546/SFR09-2018 Main_Text.pdf

- Department for Education & Skills (2005) *Children in need in England: results of a survey of activity and expenditure as reported by local authority social services' children and families teams for a survey week in February 2005,* Department for Education & Skills, London
- Department for Work and Pensions (2016) *Proposed benefit and pension rates*, Department for Work and Pensions, London. <u>https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/572844/proposed-benefit-and-pension-rates-2017-to-2018.pdf</u>
- Department of Health (2010) NHS dental contract: proposals for pilots, Department of Health, London. <u>https://www.bda.org/dentists/policy-campaigns/research/nat-init/pilots/Documents/dh_proposals_2010.pdf</u> [accessed 9 October 2017].
- Department of Health (2011) Commissioning services for people with dementia, Department of Health, London. <u>http://webarchive.nationalarchives.gov.uk/+/www.dh.gov.uk/en/Publicationsandstatistics/Publications/PublicationsPolic</u> <u>yAndGuidance/Browsable/DH 127381</u> [accessed 25 July 2013].
- Department of Health and Social Care (2018) *NHS-funded nursing care rate for 2018 to 2019*, Department of Health and Social Care, London. <u>https://www.gov.uk/government/news/nhs-funded-nursing-care-rate-announced-for-2018-to-2019</u>
- Department of Health & Social Care (2019) *Social Care Charging for care and support*, Department of Health & Social Care, London.

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/772969/Social_care_ __charging_for_care_and_support_-_LAC_2019.pdf

- Dietrichson, J., Ellegård, L. & Kjellsson, G. (2020) Patient Choice, Entry, and the Quality of Primary Care: Evidence from Swedish Reforms, *Health Economics*, 29, 6, 716-730, <u>https://doi-org.ludwig.lub.lu.se/10.1002/hec.4015</u> [accessed 1 October 2020]
- Drummond, M. & McGuire, A. (2001, p.71) *Economic evaluation in health care*, Oxford University Press.
- Edwards, H., Marques, E, Hollingworth, W., Horwood, J., Farr, M., Bernard, E., Salisbury, & Northstone, K. (2017) Use of a primary care online consultation system, by whom, when and why: evaluation of a pilot observational study in 36 general practices in South West England, *BMJ Open* 2017:7:eO16901.
- Ekers, D., Godfrey, C., Gilbody, S., Parrott, S., Richards, D., Hammond, D. & Hayes, A. (2011) Cost utility of behavioural activation delivered by the non-specialist, *British Journal of Psychiatry*, 199, 510-511, doi:10.1192/bjp.bp.110.090266.
- Ekman, B. (2018) Cost Analysis of a Digital Health Care Model in Sweden, *PharmacoEconomics* Open, 2, 3, 347–54, https://doi.org/10.1007/s41669-017-0059-7 [accessed 1 October 2020]
- Ekman, B., Thulesius, H., Wilkens, J., Lindgren, A., Cronberg, O. & Arvidsson, E. (2019). Utilization of Digital Primary Care in Sweden: Descriptive Analysis of Claims Data on Demographics, Socioeconomics, and Diagnoses, International Journal of Medical Informatics, 127, 7, 134–40, <u>https://doi.org/10.1016/j.ijmedinf.2019.04.016</u> [accessed 1 October 2020]
- Elmore, N., Burt, J., Abel, G., Maratos, F., Montague, J., Campbell, J. & Roland, M. (2016) Investigating the relationship between consultation length and patient experience: a cross-sectional study in primary care, *British Journal of General Practice*, DOI: 10.3399/bjgp 16X687733.
- Ellegård, L., & Hoffmann, M. (2020) *Vissa patienter måste undersökas på vårdcentral*, Dagens Samhälle, 7 January 2020, https://www.dagenssamhalle.se/debatt/vissa-patienter-maste-undersokas-pa-vardcentral-30936 [accessed 1 October 2020]
- Ellegård, L. & Gustav, K. (2019) Nätvårdsanvändare i Skåne Kontaktar Oftare Vårdcentral Och Gör Inte Färre Akutbesök, Läkartidningen 116, <u>http://www.lakartidningen.se/Klinik-och-vetenskap/Originalstudie/2019/10/Natvardsanvandare-i-Skane-kontaktade-oftare-vardcentral [accessed 1 October 2020]</u>
- Farmer, A., Williams, V., Verlardo, C., Ahmar Shah, S. Mee Yu, L., Rutter, H., Jones, L., Williams, N., Heneghan, C., Price, J., Hardinge, M. & Tarassenko, L. (2017) Self-management support using a digital health system compared with usual care for chronic obstructive pulmonary disease: randomized controlled trial, *Journal of Medical Internet research*, <u>https://www.jmir.org/article/viewFile/jmir_v19i5e144/2</u>

- Ford, T., Edwards, V., Sharkey, S., Ukoumunne, O., Byford, S., Norwich, B. & Logan, S. (2012) Supporting teachers and children in schools: the effectiveness and cost-effectiveness of the Incredible Years teacher classroom management programme in primary school children: a cluster randomised controlled trial, with parallel economic and process evaluations, *BMC Public Health 2012*, 12:719, doi:10.1186/1471-2458-12-719.
- Forder, J. & Allen, S. (2011) Competition in the care homes market, https://www.ohe.org/sites/default/files/Competition%20in%20care%20home%20market%202011.pdf

Fostering Network (2013) Unit costs of support care, London.

- Franklin, M., Berdunov, V., Edmans, J., Conroy, S., Gladman, J., Tanajewski, L., Gkountouras, G. & Elliott, R. (2014) Identifying patient-level health and social care costs for older adults discharged from acute medical units in England, *Age & Ageing*, 43, 703-707.
- Gabrielsson-Järhult, F., Areskoug-Josefsson, K. & Kammerlind, P. (2019) *Digitala Vårdmöten Med Läkare. Rapport Av Kvantitativ Och Kvalitativ Studie,* 20190923, Jönköping Academy for Improvement of Health and Welfare, School of Health and Welfare, Jönköping University, Jönköping, <u>http://www.lakartidningen.se/Klinik-och-</u>
- vetenskap/Originalstudie/2019/10/Natvardsanvandare-i-Skane-kontaktade-oftare-vardcentral [accessed 1 October 2020] Georghiou, T., Davies, S., Davies, A. & Bardsley, M. (2012) Understanding patterns of health and social care at the end of life,
- Nuffield Trust, London, <u>http://www.nuffieldtrust.org.uk/publications/health-social-care-end-life/</u> [accessed 15 July 2013].
 Gibson, J., Sutton, M., Spooner, S., & Checkland, K. (2018) *Ninth national GP worklife survey*, University of Manchester,
 Manchester. <u>http://blogs.lshtm.ac.uk/prucomm/files/2018/05/Ninth-National-GP-Worklife-Survey.pdf</u>
- Grant, P. (2015) How much does a diabetes out-patient appointment actually cost? An argument for PLICS, *Journal of Health Organisation and Management*, 29, 2, 2015. <u>http://www.emeraldinsight.com/doi/pdfplus/10.1108/JHOM-01-2012-0005</u>
- Gov.uk (2019) Education & Training Tariffs, HM Government, London. <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/791560/education-and-training-tariffs-2019-to-2020.pdf</u>
- Hassiotis, A., Strydom, A., Crawford, M., Hall, I., Omar, R., Vickerstaff, V., Hunter, R., Crabtree, J., Cooper, V., Biswas, A.,
 Howie, W. & King, M. (2014) Clinical and cost effectiveness of staff training in Positive Behaviour Support (PBS) for
 treating challenging behaviour in adults with intellectual disability: a cluster randomised controlled trial, *BMC Psychiatry*, 14: 219.
- Health & Social Care Information Centre (2014) PSS EX1 2013/14, Health & Social Care Information Centre, Leeds.
- Health & Social Care Information Centre (2014) *NHS staff earnings estimates June 2014*, Health & Social Care Information Centre, Leeds.
- Hobbs, R. Bankhead, C. Mukhtar, T., Stevens, S. Perera-Salazar, R. Holt, T., & Salisbury, C. (2016) Clinical workload in UK primary care: a retrospective analysis of 100 million consultations in England, 2007-14, *The Lancet*, 387, 10035, 2323-2330. <u>http://www.sciencedirect.com/science/article/pii/S0140673616006206</u>.
- Holmes, L., McDermid, S., Padley, M. & Soper, J. (2012) *Exploration of the costs and outcomes of the Common Assessment Framework*, Department of Health, London.
- Holmes, L. & McDermid, S. (2012) Understanding costs and outcomes in child welfare services: a comprehensive costing approach to managing your resources, Jessica Kingsley, London.
- Housing LIN (2018) Funding supported housing for all, Specialised Supported Housing for people with a learning disability, https://www.mencap.org.uk/sites/default/files/2018-04/2018.052%20Housing%20report_FINAL_WEB.pdf
- Iemmi, V., Knapp, M., Saville, M., McWade, P., McLennan, K. & Toogood, S. (2015) Positive behavioural support for adults with intellectual disabilities and behaviour that challenges: an initial exploration of the economic case, *International Journal of Positive Behavioural Support*, 5,1, 16-25.
- Institute of Public Care (2014) *The stability of the care market and market oversight in England*, Institute of Public Care, London. <u>http://www.cqc.org.uk/sites/default/files/201402-market-stability-report.pdf</u>
- Jackson, L., Roberts, T., Fuller, S., Sutcliffe, L., Saunders, J., Copas, A., Mercer, C., Cassell, J. & Estcourt, C. (2014) Exploring the costs and outcomes of sexually transmitted infection (STI) screening interventions targeting men in football club settings: preliminary cost-consequence analysis of the SPORTSMART pilot randomised controlled trial, *British Medical Journal*. <u>http://dx.doi.org/10.1136/sextrans-2014-051719</u>
- Knapp, M., McDaid, D. & Parsonage, M. (2011) Mental health promotion and mental illness prevention: the economic case, Department of Health, London

- Knapp, M., Bauer, A., Perkins, M. & Snell, T. (2013) Building community capital in social care: is there an economic case? Community Development Journal, 48, 2, 213-331.
- Knapp, M., Tinelli, M., Bauer, A., Weatherly, H. & Schlaepfer, B. (2020) Economic case for a range of adult social care interventions NIHR SSCR Webinar Series: Economics <u>https://www.sscr.nihr.ac.uk/event/nihr-sscr-webinar-series-</u> economics/ [Accessed 3 August 2020]
- Laing & Buisson (2012) 'Fair Fees' for care placements left behind amidst council cuts, Laing & Buisson, London. http://www.laingbuisson.co.uk/Portals/1/PressReleases/FairPrice_12_PR.pdf
- Laing and Buisson (2013) Cost Analysis Report, Surrey LD costing survey, Laing & Buisson, London.
- Laing & Buisson (2015) *Care of older people: UK market report 2014/2015*, Laing & Buisson, London.Local Government Association Analysis and Research (2012) *Local government earnings survey 2012/2013*, Local Government Association, London.
- Laing and Buisson (2016) Review of actual cost levels for provision of learning disability supported living services in Lancashire, http://www.lldc.org/wp-content/uploads/2016/09/LaingBuisson_LLDC_Final_Report_070916.pdf
- Laing & Buisson (2019) Laing & Buisson Care Homes Complete Dataset 2018/2019, Laing & Buisson, London.
- Laing & Buisson (2019) Care Cost Benchmarks, Laing & Buisson, London.
- Laing, W. (2017) *Care homes for Older People market analysis and projections*, <u>http://www.laingbuissonevents.com/wp-content/uploads/2017/05/William-COP.pdf</u>
- Licurse, A. & Mehrotra, A. (2018) The Effect of Telehealth on Spending: Thinking Through the Numbers, *Annals of Internal Medicine*, 168, 10, 73, <u>https://doi.org/10.7326/M17-3070</u> [accessed 1 October 2020]
- Local Government Association (2014) Local government pay and workforce research, Local Government Association, London. http://www.local.gov.uk/research-pay-and-workforce/ [accessed 16 October 2014].
- Local Government Employers (2010) *Local government sickness absence levels and causes survey 2008-2009*, Local Government Association, London.
- Local Government Employers (2012) *Green Book: national agreement on pay and conditions of service*, Local Government Association, London, <u>http://www.lge.gov.uk/lge/core/page.do?pageId=119175/</u> [accessed 25 July 2013].
- Local Government Pension Scheme Advisory Board (2017) *Fund Valuations 2016*, LGPS Advisory Board, London. <u>http://www.lgpsboard.org/index.php/fund-actuarial-valuations-2013</u> [accessed 12 November 2015].
- Lovell, K. Bower, P., Gellatly, J., Byford, S., Bee, P., McMillan, D., Arundel, C., Gilbody, S., Gega, L., Hardy, G., Reynolds, S., Barkham, M., Mottram, Pl, Lidbetter, N., Pedley, R., Molle, J., Peckham, E., Knopp-Hoffer, J., Price, O., Connell, J., Heslin, M., Foley, C., Plummer, G. and Roberts, C. (2017) Clinical effectiveness, cost-effectiveness and acceptability of low-intensity interventions in the management of obsessive-compulsive disorder: the Obsessive-Compulsive Treatment Efficacy randomised controlled Trial (OCTET). *Health Technology Assessment* (Winchester, England) 21(37).pp.1-132.
- Marsden, J., Stillwell, G., James, K., Shearer, J., Byford, S., Hellier, J., Kelleher, M., Kelly, J., Murphy, C. & Mitcheson, L. (2019)
 Efficacy and cost-effectiveness of an adjunctive personalised psychosocial intervention in treatment-resistant
 maintenance opioid agonist therapy: a pragmatic, open-label, randomised controlled trial, *Lancet Psychiatry 2019*; 6:391-402 (supplementary appendix).
- McDaid, D., La Park, A., Knapp, M. & colleagues (2017) *Commissioning cost-effective services for promotion of mental health and wellbeing and prevention of mental ill-health*, Public Health England
- McDermid, S., Baker, C. & Lawson, D. with Holmes, L. (2016) The evaluation of the Mockingbird Family Model, Department for Education, <u>http://innovationcsc.co.uk/wp-content/uploads/2017/11/1.2.73-DFE-RR528-</u> <u>Mockingbird family model evaluation.pdf</u>.
- Ministry of Housing, Communities & Local Government (2018) *Land value estimates for policy appraisal 2017*, Ministry of Housing, Communities & Local Government, London. <u>https://www.gov.uk/government/publications/land-value-estimates-for-policy-appraisal-2017</u> [accessed 25 September 2018].
- Monitor (2013) A guide to the market forces factor, <u>https://www.gov.uk/government/publications/guide-to-the-market-forces-factor-201415</u> [accessed 1 December 2015].
- Monitor (2016) NHS Foundation Trusts: Consolidation (FTC) files 2014/15, https://www.gov.uk/government/publications/nhs-foundation-trust-accounts-consolidation-ftc-files-201415.
- National Audit Office (2019) *Adult social care* at a glance, London. Published 4 January 2019. <u>https://www.nao.org.uk/wp-content/uploads/2018/07/Adult-social-care-at-a-glance.pdf</u> [Accessed 3 August 2020]

National Health Service (2008) Modernising medical careers, National Health Service, London.

National Health Service (2019), The NHS long Term Plan, National Health Service, London.

National Institute for Health and Clinical Excellence (NICE) (2007) *Commissioning a memory assessment service for the early identification and care of people with dementia*, NICE, London.

http://www.nice.org.uk/Search.do?searchText=Commissioning+a+memory+assessment+service+for+the+early+identifica tion+and+care+of+people+with+dementia&newsearch=true#/search/?reload [accessed 25 July 2013].

- National Joint Council (NJC) salary scales for local government services (2014) *NJC payscales 2013-14*, http://www.lvsc.org.uk/media/24718/njc%20payscales%202013-14.pdf [accessed 18 November 2014]
- National Survey of Patient Activity Data for Specialist Palliative Care Services (2014) *National survey of patient activity data* for specialist palliative care services, MDS Full Report for the year 2012-2013, Public Health England.
- Netten, A., Knight, J., Dennett, J., Cooley, R. & Slight, A. (1998) Development of a ready reckoner for staff costs in the NHS, Vols 1 & 2, Personal Social Services Research Unit, University of Kent, Canterbury.

NHS Digital (2016) Adult Social Care Finance Return (ASC-FR), NHS Digital, Leeds. http://www.content.digital.nhs.uk/catalogue/PUB22240 [accessed 15 October 2017].

- NHS Digital (2017) A guide to NHS dental publications, NHS Digital, Leeds. <u>http://content.digital.nhs.uk/catalogue/PUB21701/nhs-dent-stat-eng-15-16-rep.pdf</u> [accessed 20 October 2016).
- NHS Digital (2016, p.11) *Dental earnings and expenses 2014/15, initial analysis*, NHS Digital, Leeds. <u>https://www.gov.uk/government/statistics/dental-earnings-and-expenses-2014-to-2015-initial-analysis</u> [accessed 24 November 2016].
- NHS Digital (2017) Dental earnings and expenses, 2015/16, additional analysis, NHS Digital, Leeds.
- NHS Digital (2017) *Dental working hours, 2014/15 & 2015/16,* NHS Digital, Leeds. <u>http://content.digital.nhs.uk/catalogue/PUB21316/dent-work-hour-1415-1516-rep.pdf</u> [accessed 5 October 2017].
- NHS Digital (2017) A guide to NHS dental publications, NHS Digital, Leeds. <u>http://content.digital.nhs.uk/catalogue/PUB21701/nhs-dent-stat-eng-15-16-rep.pdf</u> [accessed 5 October 2017].
- NHS Digital (2021) NHS staff earnings estimates, 12-month period from May 2020 April 2021 (not publicly available), NHS Digital, Leeds.
- NHS Digital 2019), *NHS sickness absence rates, January 2019 to March 2019 and Annual Summary 2010-11 to 2018-19*, NHS Digital, London. <u>https://digital.nhs.uk/data-and-information/publications/statistical/nhs-sickness-absence-rates/january-2019-to-march-2019-and-annual-summary-2010-11-to-2018-19</u>
- NHS Digital (2019) General Practice Workforce, Final 31 March 2019, experimental statistics, England, NHS Digital. https://digital.nhs.uk/data-and-information/publications/statistical/general-and-personal-medical-services/final-31-march-2019-experimental-statistics
- NHS Digital (2020) *earnings and expenses 2019/2020*, NHS Digital, Leeds. <u>https://digital.nhs.uk/data-and-information/publications/statistical/gp-earnings-and-expenses-estimates</u>
- NHS Digital (2021) NHS staff earnings estimates, 12-month period from May 20209 April 2021 (not publicly available), NHS Digital, Leeds.NHS Employers (2018) NHS Terms and Conditions of Service Handbook, NHS Employers, London. http://www.nhsemployers.org/tchandbook

NHS Employers (2006) Modernising medical careers: a new era in medical training, NHS Employers, London.

- NHS Employers (2016) *NHS Terms and Conditions of Service Handbook (Agenda for Change)*, <u>http://www.nhsemployers.org/your-workforce/pay-and-reward/nhs-terms-and-conditions/nhs-terms-and-conditions-of-service-handbook</u>
- NHS Employers (2017) *Mileage allowances Section 17*, NHS Employers, <u>http://www.nhsemployers.org/your-workforce/pay-and-reward/agenda-for-change/nhs-terms-and-conditions-of-service-handbook/mileage-allowances</u>
- NHS Employers (2018) NHS Terms and Conditions of Service Handbook, NHS Employers, London. http://www.nhsemployers.org/tchandbook
- NHS Employers (2019) Annex 9: High cost area supplements, <u>https://www.nhsemployers.org/tchandbook/annex-4-to-10/annex-9-high-cost-area-supplements</u>
- NHS England (2016) *Review of clinical and educational psychology training arrangements*, National College for Teaching and Leadership, London.
- NHS Improvement (2018) National Schedule of Reference Costs 2017-18, NHS Improvement. <u>https://improvement.nhs.uk/resources/reference-costs/</u>NHS Improvement (2019) 2019/20 payment reform proposals, <u>https://improvement.nhs.uk/resources/201920-payment-reform-proposals/</u>

NHS, UK (2016) The Foundation Programme, http://www.foundationprogramme.nhs.uk/pages/home

North West Public Health Observatory (2011) A review of the cost-effectiveness of individual level behaviour change interventions, Health and Wellbeing Alliance, Manchester.

www.champspublichealth.com/writedir/0c65health_choices%20-%20FINAL.pdf [accessed 25 July 2013].

- Pennington, M., Gomes, M., Chrysanthaki, T., Hendriks, J., Wittenberg R., Knapp, M., Black, N. & Smith, S. (2016) The cost of diagnosis and early support in patients with cognitive decline, *Geriatric Psychiatry*, <u>https://doi.org/10.1002/gps.4641</u>
- Polley, M., Bertotti, M. Kimberlee, R., Pilkinton, K., & Refsum, C. (2017) *A review of the evidence assessing impact of social prescribing on healthcare demand and cost implications*, University of Westminster.

Prospects (2016) Job profile, hospital doctors, https://www.prospects.ac.uk/job-profiles/hospital-doctor

Public Health England (2017) Health Economics Evidence Resource. Public Health England, London.

https://www.gov.uk/government/publications/health-economics-evidence-resource [Accessed 3 August 2020]

- Registered Care Providers Association Ltd (2016) *Care Home Benchmarking Report 2016/17*, <u>http://www.rcpa.org.uk/wp-content/uploads/2016/12/NAT00339_Healthcare_Report_Midres.pdf</u>
- Richards, D., Ekers, D., McMillan, D. Taylor, R., Byford, S., Warren, F., Barrett, B. Farrand, P., Gilbody, S., Kuyken., O'Mahen,.
 H., Watkins, E., Wright, K., Hollon, S., Reed, N., Rhodes, S., Fletcher, E. & Finning, K. (2016) Cost and outcome of behavioural activation versus cognitive behavioural therapy for depression (COBRA): a randomised, controlled, non-inferiority trial, *The Lancet*, 388, 10047, p871-880.
- Sach, T., Desborough, J., Houghton, J. & Holland, R. (2015) Applying micro-costing methods to estimate the costs of pharmacy interventions: an illustration using multi-professional clinical medication reviews in care homes for older people, *International Journal of Pharmacy Practice*, 23, pp. 237-247
- Salford City Council (2011) *Mental health*, Salford City Council. <u>www.salford.gov.uk/mh-partnership.htm</u> [accessed 9 October 2013].
- SALAR (2019) Underlag För Ny Rekommendation Om Gemensamma Utomlänsersättningar För Digitala Vårdtjänster m.m, The Swedish Association of Local Authorities and Regions, Stockholm
- Shah, A., Pennington, M., Heginbotham, C. & Donaldson, C. (2011) Deprivation of liberty safeguards in England: implementation costs, *British Journal of Psychiatry*, 199, 232-238, doi:10.1192/bjp.bp.110.089474.
- Shearer, J., McCrone, P. & Romeo, R. (2016) Economic Evaluation of Mental Health Interventions: A Guide to Costing Approaches, *PharmacoEconomics*, 34, 651-664.
- Skills for Care (2019) *The national minimum dataset for social care (NMDS-SC) and data protection: guidance for employers,* Skills for Care, London. <u>https://data.gov.uk/dataset/9cd42409-1a44-4e6c-9696-29d6a760e746/national-minimum-</u> <u>dataset-for-social-care-nmds-sc</u> [accessed 9 September 2019].
- Tinelli, M., Bauer, A., Knapp, M., et al. (2020) Making the economic case for adult social care: The EconomicS of Social carE CompEndium (ESSENCE) project. *The Journal of Long-Term Care, forthcoming.*
- Thomas, C. (2013) *Adoption for looked after children: messages from research*, British Association for Adoption & Fostering BAAF), London.
- United Kingdom Home Care Association (UKHCA) (2012) *An overview of the UK domiciliary care sector*, Home Care United Kingdom Home Care Association (UKHCA) (2015) *A Minimum Price for HomeCare*. http://www.ukhca.co.uk/pdfs/AMPFHC_150719.pdfAssociation Limited.
- Walker, N., Yang, Y., Kiparoglou, V., Pokhrel, S., Robinson, H. & van Woerden, H. (2018) An examination of user costs in relation to smokers using a cessation service based in the UK, *BMC Health Services Research* (2018) 18:182
- Ward, H., Holmes, L. & Soper, J. (2008) Costs and consequences of placing children in care, Jessica Kingsley, London.
- Weatherly, H., Neves De Faria, R., van den Berg, B., Sculpher, M., O'Neill, P., Nolan, K., Glanville, J., Isojarvi, J., Baragula, E. & Edwards, M. (2017) Scoping review on social care economic evaluation methods. Discussion Paper. CHE Research Paper. Centre for Health Economics, York, http://eprints.whiterose.ac.uk/135405/ [Accessed 3 August 2020].
- Wittenberg, R., Knapp, M., Hu, B., Comas-Herrera, A., King, D., Rehill, A., Shi, C., Banerjee, S., Patel, A., Jagger, C. & Kingston, A. (2018) The costs of dementia in England, Research Article, *Geriatric Psychiatry*, DOI: 10.1002/gps.5113.
- World Health Organisation (2014) *Social determinants of mental health*, World Health Organisation and Calouste Gulbenkian Foundation, Geneva.

23. List of useful websites

Adult Social Care Finance Return (ASC-FR): http://content.digital.nhs.uk/datacollections/ASC-FR

Building Cost Information Service: <u>http://www.bcis.co.uk/site/index.aspx</u>

BCIS is the UK's leading provider of cost and price information for construction and property occupancy.

Care Quality Commission: http://www.cqc.org.uk/

The Care Quality Commission is the health and social care regulator for England and replaces the Healthcare Commission, Commission for Social Care Inspection and the Mental Health Act Commission which all ceased to exist on 31 March 2009.

Centre for Child and Family Research: http://www.lboro.ac.uk/research/ccfr/

Chartered Institute of Public Finance and Accountancy (CIPFA): <u>http://www.cipfa.org/</u>

The CIPFA Statistical Information Service (SIS) was established as a partnership between individual authorities and CIPFA. SIS has been undertaking detailed annual surveys of local authority operations for more than a century, and the 'CIPFA Statistics' still remain the only impartial and comprehensive account of the extent and achievements of each individual council. Surveys are conducted in the following areas: education, environmental services, environmental health, housing, leisure, planning, public protection, social services, transport.

Department for Education: <u>http://www.education.gov.uk/</u>

Department of Health and Social Care : https://www.gov.uk/government/organisations/department-of-health-and-socialcare

Department for Work and Pensions: <u>http://www.dwp.gov.uk/</u>

Family Resource Survey: <u>http://research.dwp.gov.uk/asd/frs/</u>

Federation of Ophthalmic & Dispensing Opticians: <u>http://www.fodo.com/</u>

Hospital Episode Statistics (HES): <u>http://www.hesonline.nhs.uk/</u>

This is the national statistical data warehouse for England of the care provided by NHS hospitals and for NHS hospital patients treated elsewhere. HES is the data source for a wide range of health-care analysis for the NHS, Government and many other organisations and individuals. The HES database is a record-level database of hospital admissions and is currently populated by taking an annual snapshot of a sub-set of the data submitted by NHS Trusts to the NHS-Wide Clearing Service (NWCS). Quarterly information is also collected. A separate database table is held for each financial year, containing approximately 11 million admitted patient records from all NHS Trusts in England.

Joseph Rowntree Foundation: <u>http://www.jrf.org.uk/</u>

This website provides information on housing and care.

LaingBuisson: http://www.laingbuisson.co.uk/

LaingBuisson, an independent company, provides data, statistics, analysis and market intelligence on the UK health services.

Livability: http://www.livability.org.uk/

National Audit Office: https://www.nao.org.uk/

National Council for Palliative Care: http://www.ncpc.org.uk/

National End of Life Care Intelligence network: <u>http://www.endoflifecare-intelligence.org.uk/home/</u>

NHS Digital: https://digital.nhs.uk/

NHS Digital is the new name for the Health & Social Care Information Centre, a Special Health Authority set up on 1 April 2005 to take over most DHSC statistical collection and dissemination and some functions of the former NHS Information Authority. This includes information on Personal Social Services Expenditure.

National Institute for Health and Clinical Excellence: <u>http://www.nice.org.uk/</u>

Personal Social Services Expenditure Data (PSS EX1 data): http://www.ic.nhs.uk/statistics-and-data-collections/

Pub Med: http://www.pubmedcentral.nih.gov/

Reference Costs: https://improvement.nhs.uk/resources/reference-costs/

This website gives details on how and on what NHS expenditure was used. The Reference Costs/Reference Costs Index publication is the richest source of financial data on the NHS ever produced. As in previous years, its main purpose is to provide a basis for comparison within (and outside) the NHS between organisations, and down to the level of individual treatments.

Social Care Institute for Excellence: http://www.scie.org.uk/

Social Care Online: http://www.scie-socialcareonline.org.uk/

Social Policy Research Unit, University of York: http://www.york.ac.uk/inst/spru/

YoungMinds: <u>http://www.youngminds.org.uk/</u>

YoungMinds is a national charity committed to improving the mental health of all children and young people.

24. List of items from previous volumes

All articles from our 2003 edition onward can also be searched and downloaded from our article database at <u>http://www.pssru.ac.uk/ucarticles/</u>

Editorials and articles

2007

The costs of telecare: from pilots to mainstream implementation The Health BASKET Project: documenting the benefit basket and evaluating service costs in Europe Recording professional activities to aid economic evaluations of health and social care services

2008

Guest editorial: National Schedule of Reference Costs data: community care services The challenges of estimating the unit cost of group-based therapies Costs and users of Individual Budgets

2009

Guest editorial: Economics and Cochrane and Campbell methods: the role of unit costs Estimating unit costs for Direct Payments Support Organisations The National Dementia Strategy: potential costs and impacts SCIE's work on economics and the importance of informal care

2010

The costs of short-break provision The impact of the POPP programme on changes in individual service use The Screen and Treat programme: a response to the London bombings Expected lifetime costs of social care for people aged 65 and over in England

2011

The costs of extra care housing Shared Lives – model for care and support Calculating the cost and capacity implications for local authorities implementing the Laming (2009) recommendations

2012

Guest editorial: Appropriate perspectives for health care decisions Using time diaries to contribute to economic evaluation of criminal justice interventions Costing multi-site, group-based CBT workshops A review of approaches to measure and monetarily value informal care

2013

Guest editorial: Widening the scope of unit costs to include environmental costs Cognitive behaviour therapy: a comparison of costs Residential child care: costs and other information requirements The costs of telecare and telehealth

2014

Guest editorial: Big data: increasing productivity while reducing costs in health and social care Cost of integrated care Shared Lives – improving understanding of the costs of family-based support RYCT & CSP intervention costs

2015

Guest editorial: Implications of the Care Act 2014 on social care markets for older people Survey questions on older people's receipt of, and payment for, formal and unpaid care in the community. Estimating the unit costs of vision rehabilitation services. Review of resource-use measures in UK economic evaluations.

2016

Guest editorial: Agency staff in the NHS Costs of the Well London Programme PUCC: The Preventonomics Unit Cost Calculator

2017

Guest editorial: Estimating medication costs for economic evaluation Health care costs in the English NHS A survey of English dental practices with costs in mind

2018

A comparison of two sources of primary and social care resource use data in a care home setting GP prescription costs – changes over time

2019

Guest editorial: transitioning from reference costs to patient-level costing Understanding the cost of quality within an online sexual health service The costs of obesity prevention and treatment

2020

E-Consultations ESSENCE: Examining the economic case for adult social care interventions Economic evaluation methods in social care: A scoping review

Tables

2007

All children's social care services withdrawn, but reinstated in 2010

2008

Paramedic and emergency ambulance services

2009

Cost of maintaining a drugs misuser on a methadone treatment programme Unpaid care

2010

Voluntary residential care for older people Nursing-Led Inpatient Unit (NLIU) for intermediate care Local authority sheltered housing for older people Housing association sheltered housing for older people Local authority very sheltered housing for older people Housing association very sheltered housing for older people Local authority residential care (staffed hostel) for people with mental health problems Local authority residential care (group home) for people with mental health problems Voluntary sector residential care (staffed hostel) for people with mental health problems Private sector residential care (staffed hostel) for people with mental health problems Acute NHS hospital services for people with mental health problems NHS long-stay hospital services for people with mental health problems Voluntary/non-profit organisations providing day care for people with mental health problems Sheltered work schemes for people with mental health problems Village communities for people with learning disabilities The costs of community-based care of technology-dependent children

2011

Approved social worker

2012

High-dependency care home for younger adults with physical and sensory impairments Residential home for younger adults with physical and sensory impairments Special needs flats for younger adults with physical and sensory impairments Rehabilitation day centre for younger adults with brain injury Comparative costs of providing sexually abused children with individual and group psychotherapy

2013

Rapid response service

2014

Community rehabilitation unit Intermediate care based in residential homes Counselling services in primary medical care Group homes for people with learning disabilities Fully-staffed living settings (people with learning disabilities) Semi-independent living settings (people with learning disabilities) Hospital-based rehabilitation care scheme Expert patients programme Community care packages for older people Nursing homes for people with dementia Private and other independent sector residential homes for people with dementia **2015** Individual placement and support Some home care services for adults with learning disabilities Key worker services for disabled children and their families Services for children in care Services for children in need Common assessment framework (CAF) Palliative care for children and young people

2016

Multi-dimensional treatment foster care (MTFC)

2017

Extra-care housing for older people Geriatric resources for assessment and care of elders (GRACE) Mindfulness-based cognitive therapy – group-based intervention Residential rehabilitation for people who misuse drugs or alcohol Inpatient detoxification for people who misuse drugs or alcohol Specialist prescribing **Cognitive Behavioural Therapy** Local safeguarding children's boards Parenting programmes for prevention of persistent conduct disorder Independent reviewing officer (IRO) Social care support for older people/people with learning disabilities/people with mental health problems and people with physical disabilities Support for children and adults with autism Support care for children Young adults with acquired brain injury in the UK Residential parenting assessments Social work team leader/senior practitioner/senior social worker Family support worker Health and social care teams

2018

Residential care homes for adults requiring learning disability support End of life care for children at home Decision-making panels Costs of reunification Short break provision for disabled children and their families Health care support received by people with mental health problems, older people (over 75) and other service users Reablement services

2019

Time Banks

2020

Public Health Interventions