

## **4. Services for people with learning disabilities**

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## 4.1 Group homes for people with learning disabilities

The costs of group homes are based on the results of a study funded by the Wellcome Trust and conducted by Felce and colleagues in 2005.<sup>1</sup> The sample comprises residents living in fully-staffed and unstaffed group homes (53 service users). These costs have been updated using the appropriate inflators.

See *Deinstitutionalisation and Community Living – Outcomes and Costs* (Mansell and colleagues, 2007) which provides further details on service provision for people with learning disabilities.<sup>2,3</sup>

Costs and unit estimation	2008/2009 value	Notes
A. Capital costs	£73 per week	Capital costs of buildings and land were calculated using market valuations of property. Capital costs have been annuitised over 60 years at a discount rate of 3.5 per cent.
<i>Revenue costs</i>		
B. Staffing (direct and non-direct staffing)	£702 per week	Calculated using facility-specific accounts information and updated using the PSS Pay and Prices Inflation.
C. On-site administration	£21 per week	
D. Agency overheads	£123 per week	
<i>Other costs</i>		
E. Personal living expenses	£167.60 per week	DWP allowances are used as a proxy for personal consumption. <sup>4</sup>
<i>External services</i>		
F. Hospital	£10 per week	Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). <sup>5</sup>
G. Community	£19 per week	
H. Day services	£203 per week	
Use of facility by client	52.18 weeks per annum	
Multiplier for level of disability	Higher levels of ability: 0.82 x (B to H) Lower levels of ability: 1.60 x (B to H)	The sample of service users used to derive the schemata were of mild to moderate intellectual disability and therefore relate to those with higher levels of ability (ABS>145). For lower levels of ability a multiplier of 1.60 could be applied (Lower levels of ability: 1.60 x (B to H)).
<b>Unit costs available 2008/2009</b>		
£919 establishment cost per resident week (includes A to D), £1,319 care package costs (Includes A to H).		

1 Felce, D., Perry, J., Romeo, R., Robertson, J., Meek, A., Emerson, E. & Knapp, M. (2008) Outcomes and costs of community living semi-independent living and fully staffed group homes, *American Journal on Mental Retardation*, 113, 2, 87-101.

2 Mansell, J., Knapp, M., Beadle-Brown, J. & Beecham, J. (2007) *Deinstitutionalisation and community living – outcomes and costs: report of a European study. Volume 2: Main Report*, Tizard Centre, University of Kent, Canterbury.

3 Mansell, J., Knapp, M., Beadle-Brown, J. & Beecham, J. (2007) *Deinstitutionalisation and community living – outcomes and costs: report of a European study, Country Report: United Kingdom*, Tizard Centre, University of Kent, Canterbury.

4 Department for Work and Pensions (2008) Benefits uprating, <http://www.dwp.gov.uk/mediacentre/pressreleases/2008/dec/NewBenefitRates.pdf> (accessed May 27 2009).

5 Beecham, J. & Knapp, M. (1992) Costing psychiatric interventions, in G. Thornicroft, C. Brewin & J. Wing (eds) *Measuring Mental Health Needs*, Oxford University Press, Oxford.

## 4.2 Village communities

The costs of village communities are based on the results of a study commissioned by the Department of Health and conducted by Emerson et al. in 1998.<sup>1,2</sup> The sample comprises three village communities, all managed by voluntary organisations, in the UK (86 service users). See *Deinstitutionalisation and Community Living – Outcomes and Costs* (Mansell and colleagues, 2007) which provides further details on service provision for people with learning disabilities.<sup>3,4</sup>

Costs and unit estimation	2008/2009 value	Notes
A. Capital costs	£60 per week	Capital costs of buildings and land were calculated using market valuations of property and/or construction costs. Capital costs have been annuitised over 60 years at a discount rate of 3.5 per cent. Equipment and durables amounting to 10 per cent of capital cost were added. <sup>5</sup> Annual costs of vehicle replacement were estimated based on the methodology devised by the Automobile Association. <sup>6</sup>
<b>Revenue costs</b>		
B. Direct staffing	£509 per week	Calculated using facility-specific accounts information. Costs relate to staffing within the individual setting/house.
C. Direct non-staffing	£70 per week	
D. On-site administration	£154 per week	Calculated using facility-specific accounts information. Cost relates to staffing and non-staffing expenditure across the whole site (such as management and maintenance, social areas and grounds).
E. Agency overheads	£65 per week	Calculated using facility-specific accounts information, or by adding 5 per cent of revenue costs, following an Audit Commission report about overheads associated with residential care. <sup>7</sup>
<b>External services</b>		
F. Hospital	£7.70 per week	Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). <sup>8</sup> Day services were costed using accounts information, where available. All other services were costed using national unit costs data.
G. Community	£25 per week	
H. Day services	£183 per week	
I. Personal living expenses	£24 per week	Individual client living expenses (based on CSRI information).
Use of facility by client	52.18 weeks per annum	
Multiplier for level of disability	Higher levels of ability: 0.82 x (B to H) Lower levels of ability: 1.60 x (B to H)	Clients were grouped according to scores on the Adaptive Behaviour Scale (ABS). <sup>9</sup> Scores between zero and 145 were grouped as less able; scores higher than 145 were grouped as more able (145 was selected to allow relatively even distribution between groups).
<b>Unit costs available 2008/2009</b>		
£858 establishment costs per resident week (includes A to E); £1,098 care package costs (includes A to I).		

- Emerson, E., Robertson, J., Gregory, N., Hatton, C., Kessissoglou, S., Hallam, A., Knapp, M., Järbrink, K. & Netten, A. (1999) *Quality and Costs of Residential Supports for People with Learning Disabilities: A Comparative Analysis of Quality and Costs in Village Communities, Residential Campuses and Dispersed Housing Schemes*, Hester Adrian Research Centre, University of Manchester, Manchester.
- Hallam, A. & Emerson, E. (1999) Costs of residential supports for people with learning disabilities, in A. Netten, J. Dennett & J. Knight (eds) *Unit Costs of Health and Social Care 1999*, Personal Social Services Research Unit, University of Kent, Canterbury.
- Mansell, J., Knapp, M., Beadle-Brown, J. & Beecham, J. (2007) *Deinstitutionalisation and community living - outcomes and costs: report of a European study. Volume 2: Main Report*, Tizard Centre, University of Kent, Canterbury.
- Mansell, J., Knapp, M., Beadle-Brown, J. & Beecham, J. (2007) *Deinstitutionalisation and community living - outcomes and costs: report of a European study, Country report: United Kingdom*, Tizard Centre, University of Kent, Canterbury.
- Knapp, M., Beecham, J. & Allen, C. (1989) The methodology for costing community and hospital services used by clients of the Care in the Community demonstration programme, PSSRU Discussion Paper 647, Personal Social Services Research Unit, University of Kent, Canterbury.
- Automobile Association Technical Services, Basingstoke, Hampshire.
- Audit Commission (1993) *Taking Care*, Bulletin, Audit Commission, London.
- Beecham, J. & Knapp, M. (1992) Costing psychiatric interventions, in G. Thornicroft, C. Brewin & J. Wing (eds) *Measuring Mental Health Needs*, Oxford University Press, Oxford.
- Nihira, K., Leland, H. & Lambert, N. (1993) *Adaptive Behavior Scale — Residential and Community*, 2nd Edition, Pro-Ed, Austin, Texas.

### 4.3 Fully-staffed living settings

The costs of fully-staffed living settings are based on the results of a study funded by the Wellcome Trust and conducted by Felce and colleagues in 2005.<sup>1</sup> All costs have been updated using the appropriate inflators.

See *Deinstitutionalisation and Community Living – Outcomes and Costs* (Mansell and colleagues, 2007) which provides further details on service provision for people with learning disabilities.<sup>2,3</sup>

Costs and unit estimation	2008/2009 value	Notes
A. Capital costs	£82 per week	Capital costs of buildings and land were calculated using market valuations of property. Capital costs have been annuitised over 60 years at a discount rate of 3.5 per cent.
<i>Revenue costs</i>		
B. Staffing (direct and non-direct staffing)	£930 per week	Calculated using facility-specific accounts information.
C. On-site administration	£29 per week	
D. Agency overheads	£151 per week	
<i>Other costs</i>		
E. Personal Living expenses	£167.60 per week	DWP allowances are used as a proxy for personal consumption. <sup>4</sup>
<i>External services</i>		
F. Hospital	£8 per week	Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). <sup>5</sup> Day services were costed using accounts information, where available. All other services were costed using national unit costs data.
G. Community	£18 per week	
H. Day services	£232 per week	
Use of facility by client	52.18 weeks per annum	
Multiplier for level of disability	Higher levels of ability: 0.82 x (B to H) Lower levels of ability: 1.60 x (B to H)	Clients were grouped according to scores on the Adaptive Behaviour Scale (ABS). <sup>6</sup> Scores between zero and 145 were grouped as less able; scores higher than 145 were grouped as more able. (145 was selected to allow relatively even distribution between groups.) All participants in the study were mild to moderate intellectual disability. Therefore the sample of service users were more able with ABS>145.
<b>Unit costs available 2008/2009</b>		
£1,192 establishment costs per resident week (includes A to D); £1,618 care package costs (includes A to H).		

1 Felce, D., Perry, J., Romeo, R., Robertson, J., Meek, A., Emerson, E. & Knapp, M. (2008) Outcomes and costs of community living semi-independent living and fully staffed group homes, *American Journal on Mental Retardation*, 113, 2, 87-101.

2 Mansell, J., Knapp, M., Beadle-Brown, J. & Beecham, J. (2007) *Deinstitutionalisation and community living - outcomes and costs: report of a European study. Volume 2: Main Report*, Tizard Centre, University of Kent, Canterbury.

3 Mansell, J., Knapp, M., Beadle-Brown, J. & Beecham, J. (2007) *Deinstitutionalisation and community living - outcomes and costs: report of a European study, Country report: United Kingdom*, Tizard Centre, University of Kent, Canterbury.

4 <http://www.dwp.gov.uk/mediacentre/pressreleases/2008/dec/NewBenefitRates.pdf> (accessed May 27 2009).

5 Beecham, J. & Knapp, M. (1992) Costing psychiatric interventions, in G. Thornicroft, C. Brewin & J. Wing (eds) *Measuring Mental Health Needs*, Oxford University Press, Oxford.

6 Nihira, K., Leland, H. & Lambert, N. (1993) *Adaptive Behavior Scale — Residential and Community*, 2nd Edition, Pro-Ed, Austin, Texas.

## 4.4 Supported living schemes

The costs of supported living schemes are based on the results of a study commissioned by the Department of Health and conducted by Emerson et al. in 1998.<sup>1,2</sup> The sample comprises services provided by six independent and public sector organisations in the UK (63 service users). See *Deinstitutionalisation and Community Living – Outcomes and Costs* (Mansell and colleagues, 2007) which provides further details on service provision for people with learning disabilities.<sup>3,4</sup>

Costs and unit estimation	2008/2009 value	Notes
A. Capital costs	£58 per week	Capital costs of buildings and land were calculated using market valuations of property and/or construction costs. Capital costs have been annuitised over 60 years at a discount rate of 3.5 per cent. Equipment and durables amounting to 10 per cent of capital cost were added. <sup>5</sup> Annual costs of vehicle replacement were estimated based on the methodology devised by the Automobile Association. <sup>6</sup>
Revenue costs B. Salary costs C. Other revenue costs	£1,024 per week £57 per week	Calculated using facility-specific accounts information.
D. Agency overheads	£182 per week	Calculated using facility-specific accounts information, or by adding 5 per cent of revenue costs, following an Audit Commission report about overheads associated with residential care. <sup>7</sup>
External services E. Hospital F. Community G. Day services	£7.70 per week £34 per week £63 per week	Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). <sup>8</sup> Day services were costed using accounts information, where available. All other services were costed using national unit costs data.
H. Personal living expenses	£137 per week	Individual client living expenses (based on CSRI information).
Use of facility by client	52.18 weeks per annum	
Multiplier for level of disability	Higher levels of ability: 0.82 x (B to H) Lower levels of ability: 1.60 x (B to H)	Clients were grouped according to scores on the Adaptive Behaviour Scale (ABS). <sup>9</sup> Scores between zero and 145 were grouped as less able; scores higher than 145 were grouped as more able. (145 was selected to allow relatively even distribution between groups.)
<b>Unit costs available 2008/2009</b>		
£1,321 establishment costs per resident week (includes A to D); £1,563 care package costs (includes A to H).		

- Emerson, E., Robertson, J., Gregory, N., Hatton, C., Kessissoglou, S., Hallam, A., Knapp, M., Järbrink, K. & Netten, A. (1999) *Quality and Costs of Residential Supports for People with Learning Disabilities: A Comparative Analysis of Quality and Costs in Village Communities, Residential Campuses and Dispersed Housing Schemes*, Hester Adrian Research Centre, University of Manchester, Manchester.
- Hallam, A. & Emerson, E. (1999) Costs of residential supports for people with learning disabilities, in A. Netten, J. Dennett & J. Knight (eds) *Unit Costs of Health and Social Care 1999*, Personal Social Services Research Unit, University of Kent, Canterbury.
- Mansell, J., Knapp, M., Beadle-Brown, J. & Beecham, J. (2007) *Deinstitutionalisation and community living - outcomes and costs: report of a European study. Volume 2: Main Report*, Tizard Centre, University of Kent, Canterbury.
- Mansell, J., Knapp, M., Beadle-Brown, J. & Beecham, J. (2007) *Deinstitutionalisation and community living - outcomes and costs: report of a European study, Country report: United Kingdom*, Tizard Centre, University of Kent, Canterbury.
- Knapp, M., Beecham, J. & Allen, C. (1989) The methodology for costing community and hospital services used by clients of the Care in the Community demonstration programme, PSSRU Discussion Paper 647, Personal Social Services Research Unit, University of Kent, Canterbury.
- Automobile Association Technical Services, Basingstoke, Hampshire.
- Audit Commission (1993) *Taking Care*, Bulletin, Audit Commission, London.
- Beecham, J. & Knapp, M. (1992) Costing psychiatric interventions, in G. Thornicroft, C. Brewin & J. Wing (eds) *Measuring Mental Health Needs*, Oxford University Press, Oxford.
- Nihira, K., Leland, H. & Lambert, N. (1993) *Adaptive Behavior Scale — Residential and Community*, 2nd Edition, Pro-Ed, Austin, Texas.

## 4.5 Semi-independent living settings

The costs of semi-independent living settings are based on the results of a study funded by the Wellcome Trust and conducted by Felce and colleagues in 2005.<sup>1</sup> The sample comprises 35 service users who were resident in semi-independent living settings. These settings were partially staffed, having no paid support for at least 28 hours per week when service users were awake at home. These settings did not have any regular night-time support or sleep-over presence. All costs have been uprated using the appropriate inflators.

See *Deinstitutionalisation and Community Living – Outcomes and Costs* (Mansell and colleagues, 2007) which provides further details on service provision for people with learning disabilities.<sup>2,3</sup>

Costs and unit estimation	2008/2009 value	Notes
A. Capital costs	£59 per week	Capital costs of buildings and land were calculated using market valuations of property. Capital costs have been annuitised over 60 years at a discount rate of 3.5 per cent.
<i>Revenue costs</i>		
B. Staffing (direct and non-direct staffing)	£254 per week	Calculated using facility-specific accounts information.
C. On-site administration	£10 per week	
D. Agency overheads	£62 per week	
<i>Other costs</i>		DWP allowances are used as a proxy for personal consumption. <sup>4</sup>
E. Personal Living expenses	£167.60 per week	
<i>External services</i>		
F. Hospital	£10 per week	Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). <sup>5</sup> Day services were costed using accounts information, where available. All other services were costed using national unit costs data.
G. Community	£15 per week	
H. Day services	£127 per week	
Use of facility by client	52.18 weeks per annum	
Multiplier for level of disability	Higher levels of ability: 0.82 x (B to H) Lower levels of ability: 1.60 x (B to H)	Clients were grouped according to scores on the Adaptive Behaviour Scale (ABS). <sup>6</sup> Scores between zero and 145 were grouped as less able; scores higher than 145 were grouped as more able. (145 was selected to allow relatively even distribution between groups.) All participants in the study were mild to moderate intellectual disability. Therefore the sample of service users were more able with ABS>145.
<b>Unit costs available 2008/2009</b>		
£385 establishment costs per resident week (includes A to E); £705 care package costs (includes A to H).		

- 1 Felce, D., Perry, J., Romeo, R., Robertson, J., Meek, A., Emerson, E. & Knapp, M. (2008) Outcomes and costs of community living semi-independent living and fully staffed group homes, *American Journal on Mental Retardation*, 113, 2, 87-101.
- 2 Mansell, J., Knapp, M., Beadle-Brown, J. & Beecham, J. (2007) *Deinstitutionalisation and community living - outcomes and costs: report of a European study. Volume 2: Main Report*, Tizard Centre, University of Kent, Canterbury.
- 3 Mansell, J., Knapp, M., Beadle-Brown, J. & Beecham, J. (2007) *Deinstitutionalisation and community living - outcomes and costs: report of a European study, Country report: United Kingdom*, Tizard Centre, University of Kent, Canterbury.
- 4 Department for Work and Pensions (2008) Benefits uprating, <http://www.dwp.gov.uk/mediacentre/pressreleases/2008/dec/NewBenefitRates.pdf> (accessed 27 May 2009).
- 5 Beecham, J. & Knapp, M. (1992) Costing psychiatric interventions, in G. Thornicroft, C. Brewin & J. Wing (eds) *Measuring Mental Health Needs*, Oxford University Press, Oxford.
- 6 Nihira, K., Leland, H. & Lambert, N. (1993) *Adaptive Behavior Scale — Residential and Community*, 2nd Edition, Pro-Ed, Austin, Texas.

## 4.6 Local authority day care for people with learning disabilities

Prior to 1998 the cost given was per place per day. Since 1998 the cost has been per session. A session is defined as either a morning, an afternoon or an evening at the day care facility.

Costs and unit estimation	2008/2009 value	Notes
<i>Capital costs (A, B &amp; C)</i>		
A. Buildings and oncosts	£4.60 per session	Based on the new-build and land requirements for local authority day care facilities (which do not distinguish by client group). These allow for 33.4 square metres per person. <sup>1</sup> Capital costs have been annuitised over 60 years at a discount rate of 3.5 per cent.
B. Land	£0.90 per session	Based on Department for Communities and Local Government statistics. <sup>2</sup> Land costs have been discounted at 3.5 per cent over 60 years.
C. Equipment and durables		No information available.
<i>Revenue costs</i>		
D. Salary and other revenue costs	£37 per client per session	PSS EX1 2007/08 median costs uprated using the PSS pay and prices index. <sup>3</sup> Data were adjusted to exclude expenditure on services purchased from the independent sector. Capital charges on the revenue account have been deducted (£2.00). Mean costs were £37 per session. Authorities reporting costs in excess of £200 have been excluded.
E. Capital charges		
F. Agency overheads		A study by the Audit Commission indicated that 5 per cent of the costs of residential care were attributable to managing agency overheads. <sup>4</sup> Social Services Management and Support Services (SSMSS) overhead costs are included in PSS EX1 2007/08 so no additional agency overheads have been included in unit costs below. <sup>3</sup>
<i>G. Other costs</i>		
Use of facility by client	500 sessions per year	
Occupancy	78%	Department of Health statistics, 1997. <sup>5</sup> No later statistics available.
London multiplier	1.50 x (A to B); 1.30 x (D to G)	Relative London costs are drawn from the same source as the base data for each cost element.
<b>Unit costs available 2008/2009</b>		
£43 per session (includes A to E).		

1 Building Cost Information Service (2009) *Surveys of Tender Prices*, BCIS, Royal Institute of Chartered Surveyors, Kingston-upon-Thames.

2 Based on personal communication with the Department for Communities and Local Government (2009) <http://www.communities.gov.uk/documents/housing/xls/141389.xls>.

3 Department of Health (2009) *PSS EX1 2007/08*, Department of Health, London.

4 Audit Commission (1993) *Taking Care*, Bulletin, Audit Commission, London.

5 Department of Health (1997) *Community Care Statistics, Day and Domiciliary Personal Social Services for Adults, Detailed Statistics*, Table 3, Government Statistical Service, London.

## 4.7 Voluntary sector activity-based respite care for people with learning disabilities

The schema illustrates a specific activity-based respite service for people with learning disabilities and their carers. The information was drawn from a study of innovative approaches to providing respite care.<sup>1,2</sup> Although each of the schemes in the study was individual, this service typified the pattern of costs associated with such schemes. It should be noted, however, that this scheme did not provide an exclusively one-to-one staff to user ratio during outings and activities. Those schemes that did tended to have higher hourly unit costs. There is little information about the costs of homes that specialise in short-term residential care.

Costs and unit estimation	2008/2009 value	Notes
A. Coordinator wages/salary	£26,483 per year	1994/1995 costs inflated by the PSS Pay Index.
B. Salary oncosts	£1,887 per year	Employers' national insurance.
C. Worker/volunteer costs of sessions	£23,046 per year	1994/1995 costs inflated by the PSS Pay Index.
D. Expenses associated with sessions	£7,668 per year	1994/1995 costs inflated by the PSS pay and prices index.
E. Training	£2,574 per year	1994/1995 costs inflated by the PSS pay and prices index.
F. Capital costs of equipment and transport	£2,603 per year	Discounted at 3.5 per cent over 10 years. 1994/1995 costs inflated by the retail prices index.
G. <i>Direct overheads</i>		
Revenue	£11,087 per year	Includes management, telephone, secretarial support, stationery, etc. 1994/1995 costs inflated by the PSS pay and prices index.
Capital		1994/1995 costs inflated by the PSS prices index.
- office space	£401 per year	Discounted at 3.5 per cent over 60 years.
- office equipment	£382 per year	Discounted at 3.5 per cent over five years.
H. Indirect overheads	£3,709 per year	Includes the personnel and finance functions. 1994/95 costs inflated by the PSS pay and prices index.
Number of users	29	
Number of users with challenging behaviours/multiple disabilities	6	Varying degrees of challenging behaviours. All receive one-to-one support.
Number of client sessions per year	920	Type of session varies. Twenty-six per cent (235) of sessions are one-to-one.
Length of sessions	4.35 hours	Average length of session.
<b>Unit costs available 2008/2009</b>		
£87 per client session; £20 per client hour (includes A to H).		

1 Netten, A. (1994) Costing innovative schemes offering breaks for people with learning disabilities and their carers, PSSRU Discussion Paper 1100, Personal Social Services Research Unit, University of Kent, Canterbury.

2 Netten, A. (1995) Costing breaks and opportunities, in K. Stalker (ed.) *Breaks and Opportunities: Developments in Short Term Care*, Jessica Kingsley, London.