

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 2005.¹ 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.^{2,3}

Costs and unit estimation	2009/2010 value	Notes
A. Capital costs	£70 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.
Revenue costs B. Staffing (direct and non-direct staffing) C. On-site administration D. Agency overheads	£707 per week £21 per week £124 per week	Calculated using facility-specific accounts information and updated using the PSS Pay & Prices Inflator.
Other costs E. Personal living expenses	£239 per week	Based on community living economic data and extracted from a sample of individual residents in fully-staffed settings and semi-independent living settings. DWP allowances for 2009/2010 are used as a proxy for personal consumption. ⁴ Based on the Lower Disability Allowance Care component, Employment and Support Allowance 25 plus, Job Seekers Allowance (income based) and Housing Benefit - personal allowances - single person (25 plus) and Housing Benefit, premium - single.
External services F. Hospital G. Community H. Day services	£10 per week £19 per week £204 per week	Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). ⁵
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).
Unit costs available 2009/2010		
£922 establishment cost per resident week (includes A to D), £1,394 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.^{1,2} 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.^{3,4}

Costs and unit estimation	2009/2010 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. ⁵ Annual costs of vehicle replacement were estimated based on the methodology devised by the Automobile Association. ⁶
Revenue costs		
B. Direct staffing	£512 per week	Calculated using facility-specific accounts information. Costs relate to staffing within the individual setting/house.
C. Direct non-staffing	£71 per week	
D. On-site administration	£155 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. ⁷
External services		
F. Hospital	£8.00 per week	Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). ⁸ 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	£185 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). ⁹ 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).
Unit costs available 2009/2010		
£863 establishment costs per resident week (includes A to E); £1,105 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 2005.¹ 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.^{2,3}

Costs and unit estimation	2009/2010 value	Notes
A. Capital costs	£79 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.
Revenue costs B. Staffing (direct and non-direct staffing) C. On-site administration D. Agency overheads	£935 per week £29 per week £152 per week	Calculated using facility-specific accounts information.
Other costs E. Personal Living expenses	£239 per week	Based on community living economic data and extracted from a sample of individual residents in fully-staffed settings and semi-independent living settings. DWP allowances for 2009/2010 are used as a proxy for personal consumption. ⁴ Based on the Lower Disability Allowance Care component, Employment and Support Allowance 25 plus, Job Seekers Allowance (income based) and Housing Benefit - personal allowances - single person (25 plus) and Housing Benefit, premium - single.
External services F. Hospital G. Community H. Day services	£8 per week £18 per week £234 per week	Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). ⁵ Day services were costed using accounts information, where available. All other services were costed using national unit costs data.
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). ⁶ 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.
Unit costs available 2009/2010		
£1,195 establishment costs per resident week (includes A to D); £1,693 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/docs/newbenefitrates.pdf>

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.^{1,2} 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.^{3,4}

Costs and unit estimation	2009/2010 value	Notes
A. Capital costs	£59 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. ⁵ Annual costs of vehicle replacement were estimated based on the methodology devised by the Automobile Association. ⁶
Revenue costs		
B. Salary costs	£1,030 per week	Calculated using facility-specific accounts information.
C. Other revenue costs	£58 per week	
D. Agency overheads	£185 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. ⁷
External services		
E. Hospital	£7.80 per week	Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). ⁸ Day services were costed using accounts information, where available. All other services were costed using national unit costs data.
F. Community	£34 per week	
G. Day services	£64 per week	
H. Personal living expenses	£140 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). ⁹ 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.)
Unit costs available 2009/2010		
£1,331 establishment costs per resident week (includes A to D); £1,577 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 2005.¹ 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.^{2,3}

Costs and unit estimation	2009/2010 value	Notes
A. Capital costs	£57 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.
Revenue costs B. Staffing (direct and non-direct staffing) C. On-site administration D. Agency overheads	£255 per week £10 per week £63 per week	Calculated using facility-specific accounts information.
Other costs E. Personal living expenses	£239 per week	Based on community living economic data and extracted from a sample of individual residents in fully-staffed settings and semi-independent living settings. DWP allowances for 2009/2010 are used as a proxy for personal consumption. ⁴ Based on the Lower Disability Allowance Care component, Employment and Support Allowance 25 plus, Job Seekers Allowance (income based) and Housing Benefit - personal allowances - single person (25 plus) and Housing Benefit, premium - single
External services F. Hospital G. Community H. Day services	£10 per week £15 per week £128 per week	Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). ⁵ Day services were costed using accounts information, where available. All other services were costed using national unit costs data.
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). ⁶ 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.
Unit costs available 2009/2010		
£385 establishment costs per resident week (includes A to D); £777 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.

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

This year the cost provided by PSS EX1 is cost per service user per week. PSS EX1 2008/09 gross costs uprated using the PSS Pay & Prices index reported median costs at £276 *per client per week* and mean costs at £246 *per client week*.¹ The costs per session are dependent on how many sessions per week the client attends.

Costs and unit estimation	2009/2010 value	Notes
Capital costs (A, B & C)		
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. ² Capital costs have been annuitised over 60 years at a discount rate of 3.5 per cent.
B. Land	£0.80 per session	Based on Department for Communities and Local Government statistics. ³ Land costs have been discounted at 3.5 per cent over 60 years.
C. Equipment and durables		No information available.
Revenue costs		
D. Salary and other revenue costs	£51 per session	The median revenue cost estimate is taken from PSS EX1 2008/09 uprated using the PSS Pay & Prices index. ⁴ Assuming people with learning disabilities attend five days a week, the median and mean cost per day are £51 and £46 respectively. Capital charges on the revenue account have been deducted (8% of the revenue costs).
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. ⁵ Social Services Management and Support Services (SSMSS) overhead costs are included in PSS EX1 2008/09 so no additional agency overheads have been included in unit costs below. ³
G. Other costs		
Use of facility by client	500 sessions per year	Assumes attendance 5 sessions a week.
Occupancy	78%	Department of Health statistics, 1997. ⁶ No later statistics available.
London multiplier	1.50 x (A to B); 1.20 x (D to G)	Relative London costs are drawn from the same source as the base data for each cost element.
Unit costs available 2009/2010		
£56 per session (includes A to E).		

1 The Information Centre (2010) *PSS EX1 2008/09*, The Information Centre, Leeds.

2 Building Cost Information Service (2010) *Surveys of Tender Prices*, BCIS, Royal Institute of Chartered Surveyors, Kingston-upon-Thames.

3 Based on personal communication with the Department for Communities and Local Government (2010) <http://www.communities.gov.uk/documents/housing/xls/141389.xls>.

4 The Information Centre (2010) *PSS EX1 2008/09*, The Information Centre, Leeds.

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

6 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.^{1,2} 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	2009/2010 value	Notes
A. Coordinator wages/salary	£26,683 per year	1994/1995 costs inflated by the PSS Pay Index.
B. Salary oncosts	£2,678 per year	Employers' national insurance.
C. Worker/volunteer costs of sessions	£23,181 per year	1994/1995 costs inflated by the PSS Pay Index.
D. Expenses associated with sessions	£7,721 per year	1994/1995 costs inflated by the PSS Pay & Prices index.
E. Training	£2,592 per year	1994/1995 costs inflated by the PSS Pay & Prices index.
F. Capital costs of equipment and transport	£2,655 per year	Discounted at 3.5 per cent over 10 years. 1994/1995 costs inflated by the retail prices index.
G. Direct overheads		
Revenue		Includes management, telephone, secretarial support, stationery, etc. 1994/1995 costs inflated by the PSS Pay & Prices index.
Capital	£11,164 per year	1994/1995 costs inflated by the PSS prices index.
- office space	£410 per year	Discounted at 3.5 per cent over 60 years.
- office equipment	£390 per year	Discounted at 3.5 per cent over five years.
H. Indirect overheads	£3,735 per year	Includes the personnel and finance functions. 1994/95 costs inflated by the PSS Pay & 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.
Unit costs available 2009/2010		
£88 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.

