

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 commissioned by the Department of Health and conducted by Emerson et al. in 1998.^{1,2} The sample comprises services provided by nine independent and public sector organisations in the UK (218 service users).

| Costs and unit estimation | 2006/2007 value | Notes |
|--|---|---|
| A. Capital costs | £52 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. ³ Annual costs of vehicle replacement were estimated based on the methodology devised by the Automobile Association. ⁴ |
| Revenue costs B. Salary costs C. Other revenue costs | £829 per week £84 per week | Calculated using facility-specific accounts information. |
| D. Agency overheads | £110 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. ⁵ |
| External services E. Hospital F. Community G. Day services | £10.20 per week £34 per week £170 per week | Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). ⁶ Day services were costed using accounts information, where available. All other services were costed using national unit costs data. |
| H. Personal living expenses | £66 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). ⁷ 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 2006/2007 | | |
| £1,075 establishment costs per resident week (includes A to D); £1,356 care package costs (includes A to H). | | |

1 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.

2 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.

3 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.

4 Automobile Association Technical Services, Basingstoke, Hampshire.

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

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

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

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).

| Costs and unit estimation | 2006/2007 value | Notes |
|--|---|--|
| A. Capital costs | £55 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. ³ Annual costs of vehicle replacement were estimated based on the methodology devised by the Automobile Association. ⁴ |
| Revenue costs | | |
| B. Direct staffing | £471 per week | Calculated using facility-specific accounts information. Costs relate to staffing within the individual setting/house. |
| C. Direct non-staffing | £66 per week | |
| D. On-site administration | £143 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 | £60 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. ⁵ |
| External services | | |
| F. Hospital | £7.30 per week | Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). ⁶ Day services were costed using accounts information, where available. All other services were costed using national unit costs data. |
| G. Community | £23 per week | |
| H. Day services | £170 per week | |
| I. Personal living expenses | £23 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: $0.82 \times (B \text{ to } H)$ Lower levels of ability: $1.60 \times (B \text{ to } H)$ | Clients were grouped according to scores on the Adaptive Behaviour Scale (ABS). ⁷ 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 2006/2007 | | |
| £796 establishment costs per resident week (includes A to E); £1,019 care package costs (includes A to I). | | |

1 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.

2 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.

3 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.

4 Automobile Association Technical Services, Basingstoke, Hampshire.

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

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

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

4.3 NHS residential campus provision

The costs of NHS residential campus provision 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 five residential campus facilities in the UK (133 service users).

| Costs and unit estimation | 2006/2007 value | Notes |
|--|---|--|
| A. Capital costs | £49 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. ³ Annual costs of vehicle replacement were estimated based on the methodology devised by the Automobile Association. ⁴ |
| <i>Revenue costs</i> | | |
| B. Direct staffing | £924 per week | Calculated using facility-specific accounts information. Costs relate to staffing within the individual setting/house. |
| C. Direct non-staffing | £99 per week | |
| D. On-site administration | £131 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 | £103 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. ⁵ |
| <i>External services</i> | | |
| F. Hospital | £4.40 per week | Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). ⁶ Day services were costed using accounts information, where available. All other services were costed using national unit costs data. |
| G. Community | £20 per week | |
| H. Day services | £96 per week | |
| I. Personal living expenses | £28 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: $0.82 \times (B \text{ to } H)$ Lower levels of ability: $1.60 \times (B \text{ to } H)$ | Clients were grouped according to scores on the Adaptive Behaviour Scale (ABS). ⁷ 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 2006/2007 | | |
| £1,306 establishment costs per resident week (includes A to E); £1,455 care package costs (includes A to I). | | |

1 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.

2 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.

3 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.

4 Automobile Association Technical Services, Basingstoke, Hampshire.

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

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

7 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).

| Costs and unit estimation | 2006/2007 value | Notes |
|--|---|--|
| A. Capital costs | £54 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. ³ Annual costs of vehicle replacement were estimated based on the methodology devised by the Automobile Association. ⁴ |
| Revenue costs B. Salary costs C. Other revenue costs | £949 per week £54 per week | Calculated using facility-specific accounts information. |
| D. Agency overheads | £171 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. ⁵ |
| External services E. Hospital F. Community G. Day services | £7.30 per week £32 per week £60 per week | Client-specific service use was recorded using the Client Service Receipt Inventory (CSRI). ⁶ Day services were costed using accounts information, where available. All other services were costed using national unit costs data. |
| H. Personal living expenses | £131 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: $0.82 \times (B \text{ to } H)$ Lower levels of ability: $1.60 \times (B \text{ to } H)$ | Clients were grouped according to scores on the Adaptive Behaviour Scale (ABS). ⁷ 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 2006/2007 | | |
| £1,228 establishment costs per resident week (includes A to D); £1,457 care package costs (includes A to H). | | |

1 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.

2 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.

3 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.

4 Automobile Association Technical Services, Basingstoke, Hampshire.

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

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

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

4.5 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 | 2006/2007 value | Notes |
|---|---|--|
| <i>Capital costs (A, B & C)</i> A. Buildings and oncosts | £4.20 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. ¹ Capital costs have been annuitised over 60 years at a discount rate of 3.5 per cent. |
| B. Land | £1.30 per session | Based on Department for Communities and Local Government statistics. ² 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 E. Capital charges | £36 per client per session | PSS EX1 2005/06 median costs uprated using the PSS Pay and Prices Index. ³ Data were adjusted to exclude expenditure on services purchased from the independent sector. Capital charges on the revenue account have been deducted (£2.50). Twenty five per cent of authorities had average gross costs of £11 per session or less and 25 per cent £47 per session or more. Mean costs were £33 per session. |
| F. Agency overheads | | A study by the Audit Commission indicated that 5 per cent of the costs of residential care was attributable to managing agency overheads. ⁴ Social Services Management and Support Services (SSMSS) overhead costs are included in PSS EX1 2005/06 so no additional agency overheads have been included in unit costs below. ³ |
| <i>G. Other costs</i> | | |
| Use of facility by client | 500 sessions per year | |
| Occupancy | 78% | Department of Health statistics, 1997. ⁵ No later statistics available. |
| London multiplier | $1.06 \times A; 2.52 \times B; 1.30 \times (D \text{ to } G)$ | Relative London costs are drawn from the same source as the base data for each cost element. See editorial for explanation of land costs. |
| Unit costs available 2006/2007 | | |
| £37 per session (includes A to E). | | |

¹ Building Cost Information Service (2007) *Surveys of Tender Prices*, BCIS, Royal Institution of Chartered Surveyors, Kingston-upon-Thames.

² Based on personal communication with the Department for Communities and Local Government (2007).

³ Department of Health (2006) *PSS EX1 2005/06*, 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.

4.6 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 very 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 | 2006/2007 value | Notes |
|---|------------------|---|
| A. Coordinator wages/salary | £24,535 per year | 1994/1995 costs inflated by the PSS Pay Index. |
| B. Salary oncosts | £1,794 per year | Employers' national insurance. |
| C. Worker/volunteer costs of sessions | £21,351 per year | 1994/1995 costs inflated by the PSS Pay Index. |
| D. Expenses associated with sessions | £7,120 per year | 1994/1995 costs inflated by the PSS Pay and Prices Index. |
| E. Training | £2,391 per year | 1994/1995 costs inflated by the PSS Pay and Prices Index. |
| F. Capital costs of equipment and transport | £2,484 per year | Discounted at 3.5 per cent over 10 years. 1994/1995 costs inflated by the retail prices index. |
| G. Direct overheads | | |
| Revenue | £10,296 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 | £381 per year | Discounted at 3.5 per cent over 60 years. |
| - office equipment | £362 per year | Discounted at 3.5 per cent over five years. |
| H. Indirect overheads | £3,445 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. |
| Unit costs available 2006/2007 | | |
| £81 per client session; £19 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.