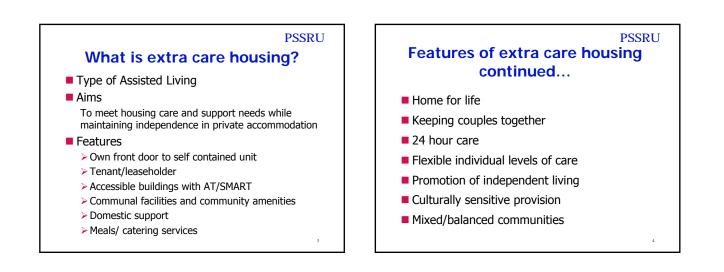


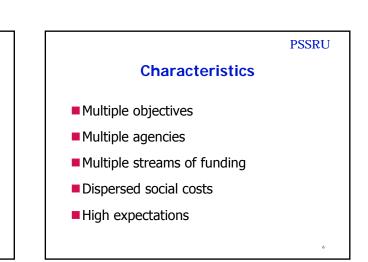
PSSRU Costs and outcomes of extra care housing

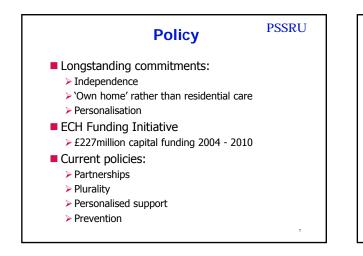
- Extra care housing
- Project design
- Residents and outcomes
- Costs and cost-effectiveness
- Social well-being

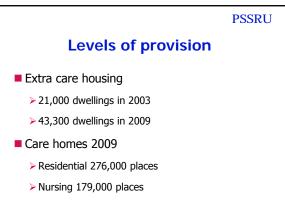


Models of Extra Care PSSRU

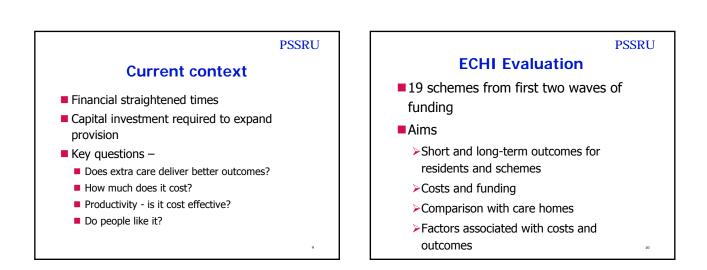
- Design
 - > Small housing development
 - Small village
 - Block of flats
 - > Group of bungalows with resource centre
- Facilities
 - > Lounges, meeting rooms, hobby rooms, gyms
 - Restaurant facilities
 - > Assisted bathing, laundries
- Care
 - > Joint or separate provision of housing and care
 - > Dedicated team or variety of providers
 - On site or off site night cover







Sources: Elderly Accommodation Counsel 2009, Laing and Buisson 2009



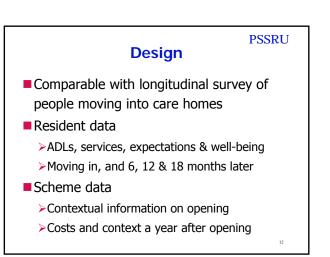
PSSRU

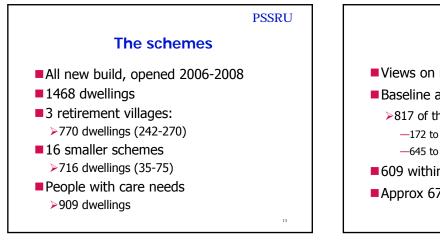
11

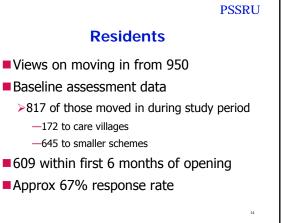
Linked Studies

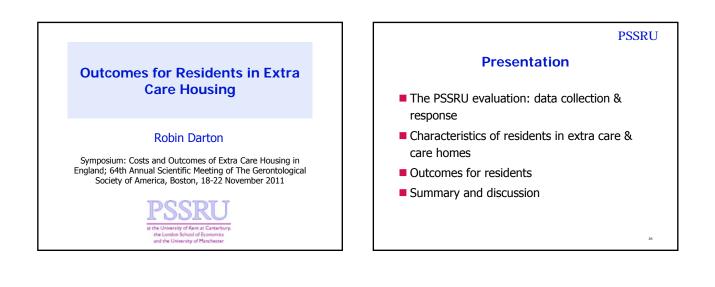
JRF-funded

- Study of social well-being
- ➤Single scheme costs and outcomes
- EVOLVE:
 - EPSRC-funded study of design evaluation (Sheffield/PSSRU)









PSSRU Evaluation: Data Collection

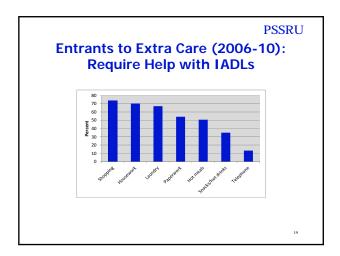
Resident data

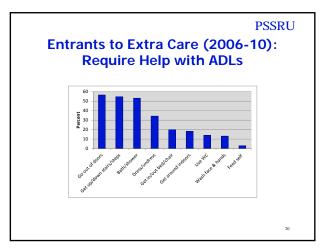
- > Functioning, services, expectations & well-being
- > Moving in; 6, 12, 18 & 30 months later
- > Dates of moving in, leaving & death
- Destination of leavers
- Comparison with 494 (personal) care home residents admitted in 16 authorities in 2005

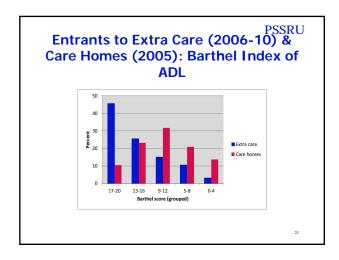
PSSRU Evaluation: Response (November 2010)

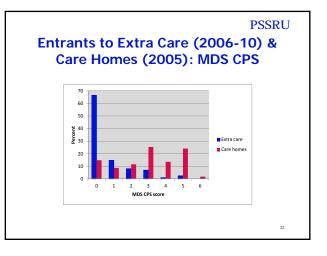
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| | No. | No. | No. | No. | No. | with As | sessme | nt Q |
|------------------------|-----|------------|--------------|------------------|-------|---------|----------|----------|
| | | resid s | with data | with Res Q | Total | + 6m | + 18m | + 30m |
| Smaller scheme s | 16 | 996 | 680 | 620 | 645 | 390 | 187 | 114 |
| Villages | 3 | 896 | 568 | 562 | 172 | 63 | 61 | 9 |
| Total | 19 | 1894 | 1248 | 1182 | 817 | 453 | 248 | 123 |









| Change in I | Dependen | icy by Fo | llow-U |
|-------------------------|-------------|-------------------|------------|
| | Follow-up | % deteriorated | % improved |
| Barthel Index of ADL | 0–6 months | 9 | 12 |
| | 0-30 months | 22 | 8 |
| MDS CPS | 0–6 months | 8 | 6 |
| | 0-30 months | 6 | 14 |

| PSSRU Entrants to Extra Care (2006-10): Location at End of Study | | | | | | |
|--|-----|-----|------|------|--|--|
| | Num | ber | % | | | |
| Still in scheme | 458 | | 56.1 | | | |
| Moved | 69 | | 8.4 | | | |
| Nursing home | | 29 | | 3.5 | | |
| Care home | | 16 | | 2.0 | | |
| Elsewhere/not known | | 24 | | 2.9 | | |
| Died | 161 | | 19.7 | | | |
| Died in scheme | | 62 | | 7.6 | | |
| Died elsewhere | | 99 | | 12.1 | | |
| Lost to follow-up | 129 | | 15.8 | | | |

| t Assessm | | - | | ion a | | |
|-------------------|--------|------|--------------|----------------|-----------------------|------|
| | | Stuc | ly | | | |
| | Number | | Me Barthe | ean I score | Mean MDS CPS score | |
| Still in scheme | 458 | | 15.2 | | 0.61 | |
| Moved | 69 | | 13.2 | | 1.23 | |
| Nursing home | | 29 | | 12.2 | | 1.37 |
| Care home | | 16 | | 13.2 | | 1.79 |
| Died | 161 | | 13.5 | | 0.69 | |
| Died in scheme | | 62 | | 12.8 | | 0.97 |
| Died elsewhere | | 99 | | 14.0 | | 0.52 |
| Lost to follow-up | 129 | | 15.9 | | 0.69 | |

PSSRU Entrants to 11 Extra Care Schemes (2006-07): Mortality & Survival

| Number of individuals | 374 |
|---|-----------|
| Number of deaths | 115 |
| Mean time to death | 20 months |
| % died by 30 months (≥65) | 34% |
| Predicted median (50%) survival from model: | |
| Extra care (≥65) | 32 months |
| Care home (2005) | 21 months |
| Nursing home (2005) | 10 months |

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Summary

- Average level of dependency lower than in care homes
- Substantial need for help with IADLs & mobility
- Very few with severe cognitive impairment
- Follow-ups demonstrate that can be home for life, but support for cognitively impaired less certain

Discussion

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- Role of extra care in support of cognitively impaired
- Identifying residents who might need greater support
- Relationships between fit and frail, social groups etc: importance of support for all residents and managing expectations, especially in villages
- Sustainability of extra care model:
 - \succ Pressure resulting from local authority nomination rights
 - > Development of new schemes (provision relatively limited)
 - Public understanding/demand (downsizing)
 - \succ Expectations of partner organisations and their staff

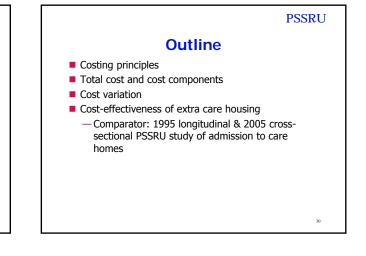


Extra Care Housing Funding Initiative

Theresia Bäumker

Gerontological Society of America Conference Boston, 18-22 November 2011





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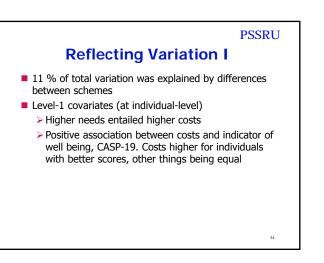
Context

- Public funding cuts, need to justify expenditure
- Understanding of costs and cost-effectiveness (in comparison to alternatives) is important
- Need to measure costs and outcomes they were incurred to achieve

Costing

- Greatest lack of evidence in terms of costs
- Costing methodology / `rules'
 - 1. Comprehensive costs
 - 2. Reflecting variations
 - 3. Like-with-like comparisons
 - 4. Costs in relation to outcomes

PSSRU Comprehensive Costs Cost Component No. Mean Std. Dev Min Max Capital, incl. land 465 105.67 21.29 50.93 157.12 Housing 465 52.76 15.90 21.17 77.67 management Support costs 465 9.81 4.80 2.41 22.14 Activities cost 119 2 85 0.81 1 41 3 52 Social care 102.04 0.00 612.00 465 111.81 Health care 465 64.76 106.55 0.00 634.29 79.95 3.38 73.80 81.80 Living expens 465 Unit Cost (p/w) 465 415.79 179.10 173.98 1241.70



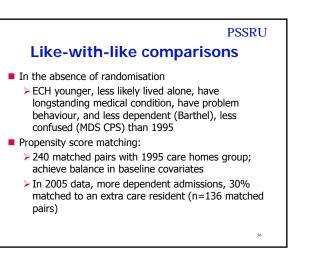
PSSRU

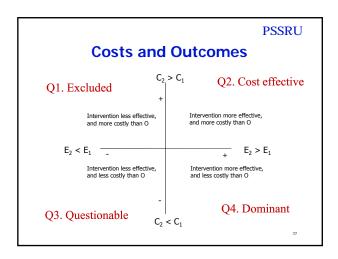
Level-2 covariates (scheme-level)

- > Estimates exhibited the expected signs:
 - —Combined service delivery by housing and care providers was 13 % less costly than where care was separately provided

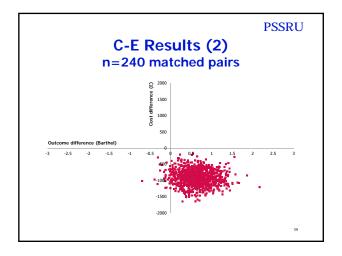
Reflecting Variation II

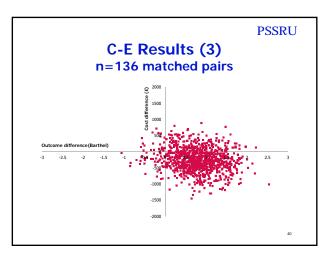
- Model showed that problematic staff turnover predicted higher costs
- However, larger RSLs, as measured by their annual audited turnover, associated with higher cost

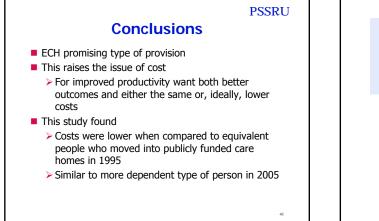


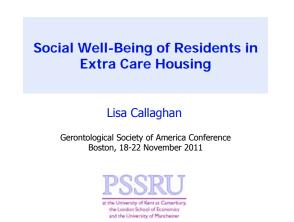


| | | Mean | S.D. | Rar (min, | | Mean diff. | (p- value |
|--|--------------------------------|---------------|--------------|--------------|------------|---------------|--------------|
| Cost p/w (£) | Extra Care 1995 Res.Care | 374 409 | 131 65 | 172 310 | 892 663 | | >0.001 |
| Cost per 6M (£) | | 9,722 | 3,397 | 4,480 | 23,17 9 | | |
| | 1995 Res.Care | 10,62 4 | 1,685 | 8,059 | 17,23 9 | -901.87 | >0.00 |
| Effect over 6M (Barthel) | Extra Care 1995 Res.Care | 0.28 -0.37 | 3.27 4.33 | | | 0.64 | 0.007 |
| Incremental Cost Effectiveness Ratio (ICER) | | -1,406 | | | | | |





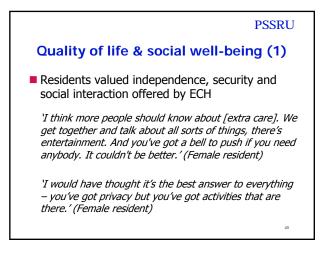


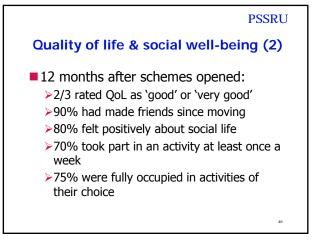






- ➢Interviews with 166 residents
- 'Indicators' of individual social well-being —Social life & loneliness, friendship, activity participation, social support





Social isolation

Some residents were socially isolated

- More likely to be in receipt of care
- ➤Rated health as worse
- Mobility problems a barrier

'The biggest problem is needing the carers to get you to anything' (Female resident)

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Overcoming social isolation

- Some schemes were addressing social isolation
 - Practical support for people with mobility problems
 - >Encouragement to participate
 - >Support for people with memory problems

'We've also employed [member of staff] whose job it is to work with people on a one-to-one basis, primarily people with memory problems, but will also work with people who maybe just need a bit of support' (Staff member)

Communal facilities

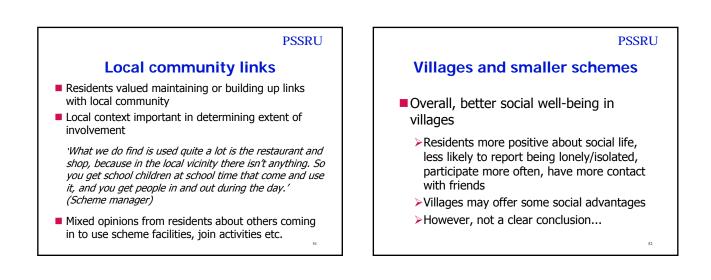
- Communal facilities play important role in friendship development
- Restaurants and shops key; importance of lunchtime

'The shop has been a catalyst to getting people integrating well together.' (Staff member

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Social activities

- Social activities valued by residents, and important for friendship development
- Friendship most important benefit of participation
- Some schemes encountered difficulties in providing for diverse group of residents: wide range of activities needed
- Residents valued organising and running activities, but resources to support this crucial



Provision of facilities and activities

Villages:

- Have a wider range of facilities e.g. gyms, craft/hobbies rooms, bars
- > Have larger variety of social activities
- Have more resources (funding, staff) to sustain such facilities and activities



The residents (2)

- Findings suggest villages suit more able, active older people very well
- But evidence not as clear for those with some level of disability
 - In villages, some links between lower social well-being and higher levels of dependency
- Attitudes to frailty

Attitudes to frailty

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'The village seems to me to be becoming a nursing home rather than a retirement village, which was not expected before moving here.' (Male resident)

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Conclusions

- ECH can provide an environment supportive of social well-being
- Communal facilities and social activities were valued, and were important for friendship development
- Resident involvement in running the schemes' social lives was beneficial, but staff support is crucial both early on and over time
- Local community links were valued; location is important in facilitating these links
- Smaller schemes and villages have different challenges to overcome to promote social well-being

Contacts

- Housing and Care for Older People Research Network:
 - -www.hcoprnet.org.uk/