

Economic burden of care for chronic diseases of poor rural households in China

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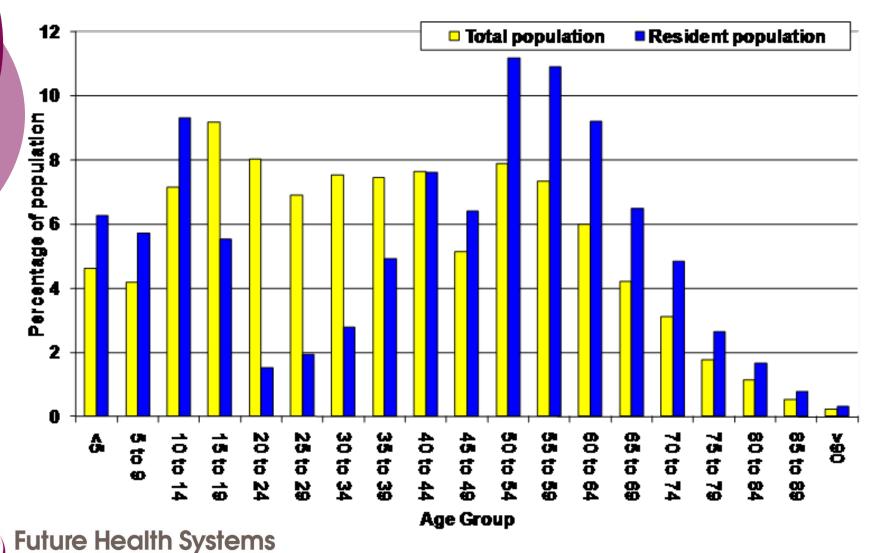
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POVILL

- Probability sample of households in two poor study counties in the Chinese provinces of Hubei and Sichuan – a total of 12,000 households.
- 2. Questionnaire survey used to identify those impacted by 'major illness' over previous year.
- 3. Probability sample of 600 of these major illness households for in-depth interviews using rapid appraisal methodology.



Total and Resident Populations



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Prevalence of serious chronic illness

| | Poorest Quintile Q1 | Richest Quintile Q5 | Overall | Ratio Q5/Q1 |
|-----------------------|---------------------------|---------------------------|---------|----------------|
| Malignant neoplasms | 0.52 | 0.33 | 0.40 | 1.55 |
| Mental disorders | 0.95 | 0.18 | 0.49 | 5.32 |
| Diabetes | 0.15 | 0.21 | 0.21 | 0.72 |
| Heart disease | 1.34 | 0.50 | 0.79 | 2.70 |
| Hypertension | 2.25 | 1.08 | 1.43 | 2.10 |
| Cerebrovascular | 1.51 | 0.62 | 0.95 | 2.42 |
| Chronic bronchitis | 0.99 | 0.44 | 0.59 | 2.28 |
| Hepatocirrhosis | 0.09 | 0.08 | 0.07 | 1.17 |
| Arthritis | 0.45 | 0.23 | 0.31 | 1.96 |
| All | 8.25 | 3.67 | 5.24 | 2.25 |
| Future Health Systems | | | | |



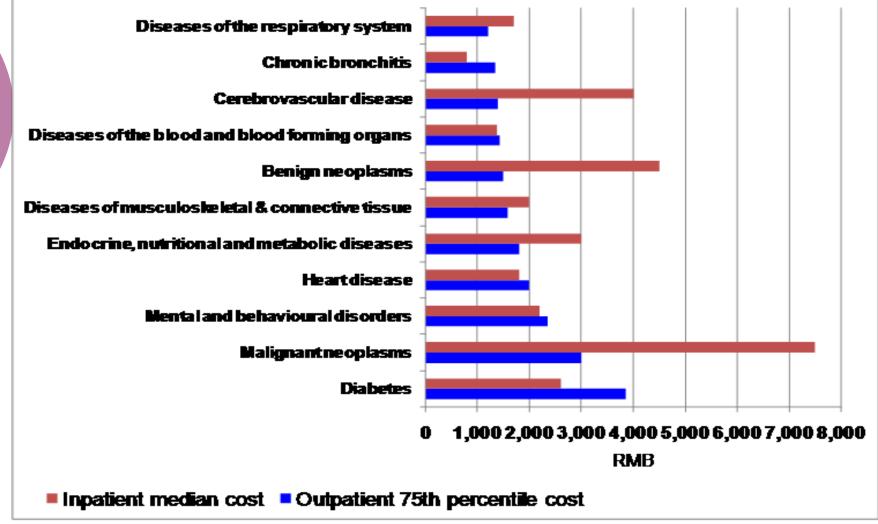
Future Health Systems Innovations for equity

Expenditure on major illnesses

| | Outpatient | | Inpatient | |
|----------------------|------------|----------------------|-----------|----------------------|
| | Mean | % Poverty Line | Mean | % Poverty Line |
| Malignant neoplasms | 660 | 55.2 | 1,731 | 144.7 |
| Mental disorders | 228 | 19.1 | 506 | 42.3 |
| Diabetes | 280 | 23.4 | 528 | 44.1 |
| Heart disease | 191 | 16.0 | 528 | 44.1 |
| Hypertension | 92 | 7.7 | 329 | 27.5 |
| Cerebrovascular | 229 | 19.1 | 1,046 | 87.5 |
| Chronic bronchitis | 142 | 11.9 | 237 | 19.8 |
| Hepatocirrhosis | 650 | 54.3 | 2,064 | 172.6 |
| Arthritis | 192 | 16.1 | 788 | 65.9 |
| uture Health Systems | | | | |

Innovations for equity

The cost of chronic care





Key issues

- Internal migration has radically affected the population distribution in many poor rural counties – a very substantial proportion of the working age population has moved out.
- There are very high prevalence rates of serious, typically chronic, illness among the older members of these populations.
- Outpatient expenditures on chronic illness can be comparable to those for inpatient care.
- Productivity losses resulting from chronic illness often pose a more serious threat to household livelihoods than health expenditure.

Future Health Systems Innovations for equity