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Authors' information: Zlatko Nikoloski*, Jane Cheatley, Elias Mossialos

Department of Health Policy, London School of Economics and Political Science, London, UK.

(*Corresponding author: <u>z.nikoloski@lse.ac.uk</u>)

Supplementary file 2. Additional Results Based on the Longitudinal Sample

Table S5. Percentage share of households with catastrophic health care expenditure (measured as a share of total household consumption), pooled RLMS data, 2010-2017, longitudinal

| | 10% | 25% | 30% | 40% |
|--------|-----------|-----------|-----------|-----------|
| | threshold | threshold | threshold | threshold |
| entire | 6.30 | 1.19 | 0.75 | 0.34 |
| sample | | | | |
| 2010 | 6.71 | 1.46 | 1.09 | 0.62 |
| 2011 | 6.83 | 1.18 | 0.68 | 0.28 |
| 2012 | 7.64 | 1.55 | 1.06 | 0.50 |
| 2013 | 6.83 | 1.49 | 0.90 | 0.28 |
| 2014 | 6.99 | 1.21 | 0.68 | 0.34 |
| 2015 | 5.50 | 1.18 | 0.87 | 0.47 |
| 2016 | 4.60 | 0.87 | 0.40 | 0.12 |
| 2017 | 5.28 | 0.56 | 0.31 | 0.09 |

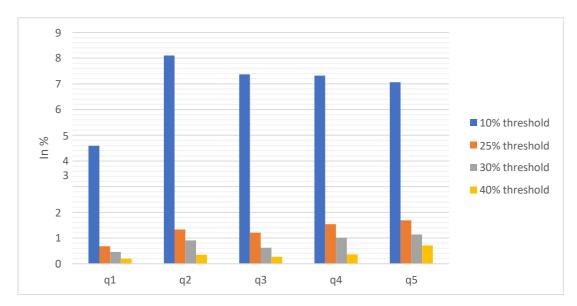


Figure S7. Percentage share of households with catastrophic health care expenditure (measured as a share of total household consumption) and assessed against the relevant threshold, per income quintile, pooled RLMS data, 2010–2017, longitudinal.

Source/Notes: RLMS. The following values for the Pearson chi2 were reported: for the link between SES and 10% - Pearson chi2=43.87 (p=0.000), SES and 25% CHE threshold – Pearson chi2=17.576 (p=0.000), SES and 30% CHE threshold – Pearson chi2=14.268 (p=0.000), SES and 40% CHE thresholds – Pearson chi2=14.163 (p=0.000).

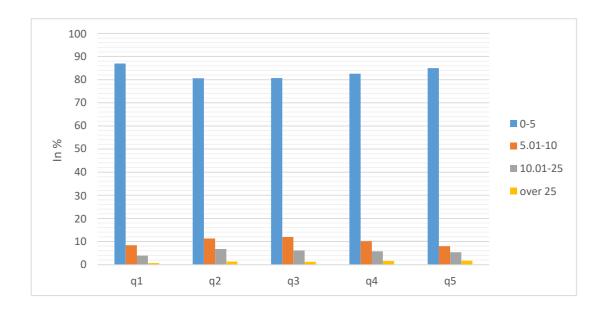


Figure S8. Distribution of households with respective expenditure on healthcare (as a share of total consumption), by income quintiles (in %), pooled RLMS data 2010–2017, longitudinal.

Source/Notes: RLMS. The following value for the Pearson coefficient are reported – Pearson chi2=107.112 (p=0.000).

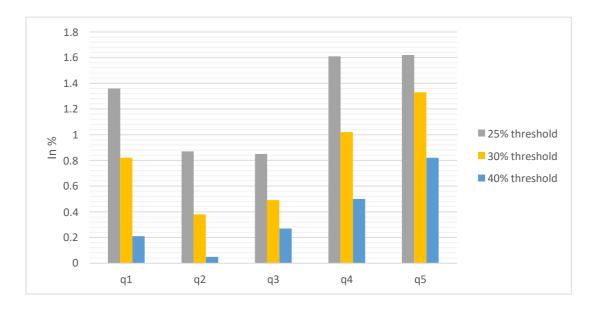


Figure S9. Percentage share of households with catastrophic health care expenditure (measured as a share of total household expenditure) and assessed against the relevant threshold, per consumption quintile, pooled RLMS data 2010–2017, longitudinal.

 $Source/Notes: RLMS. \ The following \ values for the Pearson coefficient are reported: 25\% \ threshold-Pearson chi2=17.425 \ (p=0.002), 30\% - Pearson chi2=28.058 \ (p=0.000), 40\% - Pearson chi2=37.419 \ (p=0.000)$

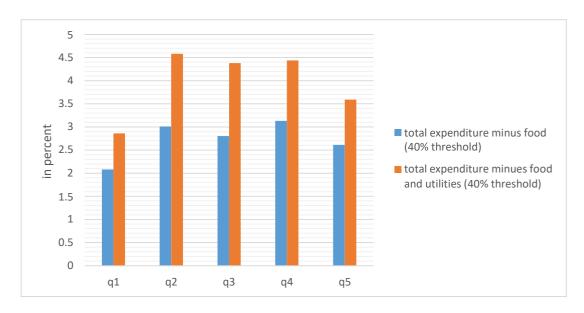


Figure S10. Percentage share of households with catastrophic health care expenditure (measured as a share of healthcare expenditure in total expenditure minus food and total expenditure minus food, rent and utilities), per income quintile, pooled RLMS data 2010–2017, longitudinal.

Source/Notes: RLMS. The following values for the Pearson coefficient were obtained. When using 40% threshold of total expenditure less food, Pearson chi2=9.86 (p=0.042), while when using 40% threshold of total expenditure less food and utilities, Pearson chi2=21.445 (p=0.000)

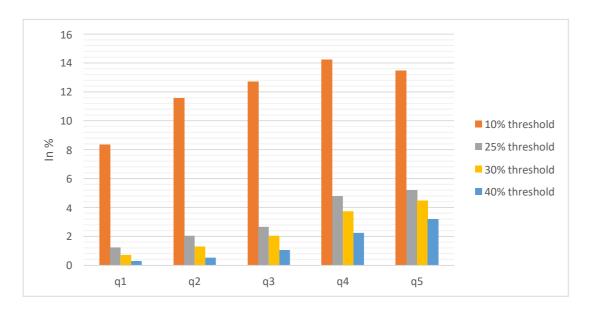


Figure S11. Percentage share of households with catastrophic health care expenditure (as a share of income), per consumption quintile, pooled RLMS data 2010–2017, longitudinal.

Source/Notes: RLMS. The following values for the Pearson coefficient were obtained on the link between SES and CHE. When using the 10% threshold, Pearson chi2=72.892 (p=0.000), when using 25%, Pearson chi2=144.098 (p=0.000), when using 30% threshold, Pearson chi2=157.38 (p=0.000) and when using the 40% threshold, Pearson chi2=153.93 (p=0.000)

Table S6. Overshoot and mean positive overshoot of the CHE (measured as a share of total household consumption) per income quintile, (in %), pooled RLMS, 2010-2017, longitudinal

| threshold threshold threshold threshold threshold | | 10% | 25% | 30% | 40% |
|--|-------------|-----------|-----------|-----------|-----------|
| Mean positive overshoot by year | 0 1 | threshold | threshold | threshold | threshold |
| Dositive overshoot Dovershoot by year Dovershoot by threshold thre | | | | | |
| Overshoot Divershoot | | 9.1 | 11.77 | 12.33 | 11.89 |
| Overshoot by year | | | | | |
| 10% threshold threshold threshold threshold 25% threshold threshold 25% threshold threshold 2010 0.7 0.24 0.18 0.09 0.09 0.09 0.03 0.006 0.006 | | vear | | | |
| Overshoot - 2010 threshold of threshold of 2010 threshold of 2014 threshold of 2018 threshold of 2019 threshold of 201 | | | 25% | 30% | 40% |
| Description | | | | | |
| Dositive overshoot - 2010 | | 0.7 | 0.24 | 0.18 | 0.09 |
| overshoot - 2010 0.6 0.12 0.08 0.03 2011 8.82 10.89 12.28 12.92 Mean positive overshoot - 2011 0.75 0.21 0.15 0.07 Mean positive overshoot - 2012 9.9 14.02 14.31 14.4 Overshoot - 2012 0.63 0.14 0.08 0.02 Mean positive overshoot - 2013 9.26 9.44 9.1 8.8 Overshoot - 2014 0.61 0.13 0.09 0.04 Mean positive overshoot - 2014 0.53 0.14 0.09 0.03 Overshoot - 2015 0.53 0.14 0.09 0.03 Overshoot - 2015 0.36 0.06 0.03 0.006 Overshoot - 2016 0.36 0.06 0.03 0.006 Overshoot - 2016 0.36 0.06 0.03 0.006 Overshoot - 2016 0.33 0.04 0.02 0.006 | Mean | 10.49 | 16.68 | 16.71 | 15.91 |
| 2010 | - | | | | |
| Mean | 2010 | | | | |
| Dositive Overshoot - 2011 | 2011 | | | | |
| overshoot - 2011 0.75 0.21 0.15 0.07 2012 0.75 0.21 0.15 0.07 2012 0.00 14.02 14.31 14.4 positive overshoot - 2012 0.63 0.14 0.08 0.02 Overshoot - 2013 9.26 9.44 9.1 8.8 positive overshoot - 2013 0.61 0.13 0.09 0.04 Mean positive overshoot - 2014 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 0.36 0.06 0.03 0.006 Overshoot - 2016 0.36 0.06 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 0.006 Overshoot - 2016 0.03 0.006 0.006 0.006 | | 8.82 | 10.89 | 12.28 | 12.92 |
| 2011 Overshoot - 2012 0.75 0.21 0.15 0.07 Mean positive overshoot - 2012 14.02 14.31 14.4 Overshoot - 2013 0.63 0.14 0.08 0.02 Mean positive overshoot - 2013 9.26 9.44 9.1 8.8 Overshoot - 2014 0.61 0.13 0.09 0.04 Mean positive overshoot - 2014 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 0.36 0.06 7.24 5.22 Mean positive overshoot - 2016 0.03 0.006 0.00 0.006 Overshoot - 2016 0.33 0.04 0.02 0.006 | | | | | |
| Overshoot - 2012 0.75 0.21 0.15 0.07 Mean positive overshoot - 2012 9.9 14.02 14.31 14.4 Overshoot - 2012 0.63 0.14 0.08 0.02 Mean positive overshoot - 2013 9.26 9.44 9.1 8.8 Overshoot - 2013 0.61 0.13 0.09 0.04 Mean positive overshoot - 2014 11.19 13.41 12.01 Overshoot - 2015 0.53 0.14 0.09 0.03 Overshoot - 2015 0.36 0.06 0.03 0.006 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 0.36 0.06 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 0.006 Overshoot - 2016 0.03 0.006 0.006 0.006 | | | | | |
| positive overshoot - 2012 0.63 0.14 0.08 0.02 Overshoot - 2013 9.26 9.44 9.1 8.8 positive overshoot - 2013 0.61 0.13 0.09 0.04 Overshoot - 2014 8.74 11.19 13.41 12.01 Mean positive overshoot - 2014 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 0.36 0.06 0.03 0.006 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 0.06 7.24 5.22 Overshoot - 2016 0.033 0.04 0.02 0.006 | Overshoot - | 0.75 | 0.21 | 0.15 | 0.07 |
| overshoot - 2012 0.63 0.14 0.08 0.02 Mean positive overshoot - 2013 9.26 9.44 9.1 8.8 Positive overshoot - 2014 0.61 0.13 0.09 0.04 Mean positive overshoot - 2014 8.74 11.19 13.41 12.01 Overshoot - 2015 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 0.36 0.06 0.03 0.006 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 7.96 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 0.006 | Mean | 9.9 | 14.02 | 14.31 | 14.4 |
| 2012 0.63 0.14 0.08 0.02 Mean 9.26 9.44 9.1 8.8 positive overshoot - 2013 0.61 0.13 0.09 0.04 Mean positive overshoot - 2014 8.74 11.19 13.41 12.01 Overshoot - 2015 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 0.36 0.06 0.03 0.006 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 7.96 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 0.006 | - | | | | |
| Overshoot - 2013 0.63 0.14 0.08 0.02 Mean positive overshoot - 2013 9.26 9.44 9.1 8.8 Overshoot - 2013 0.61 0.13 0.09 0.04 Mean positive overshoot - 2014 8.74 11.19 13.41 12.01 Overshoot - 2015 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 7.96 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 | | | | | |
| 2013 9.26 9.44 9.1 8.8 positive overshoot - 2013 0.61 0.13 0.09 0.04 Overshoot - 2014 8.74 11.19 13.41 12.01 Mean positive overshoot - 2014 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 9.78 12.42 10.9 7.73 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 7.96 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 0.006 Overshoot - 2016 0.03 0.006 0.006 0.006 | | 0.63 | 0.14 | 0.08 | 0.02 |
| positive overshoot - 2013 0.61 0.13 0.09 0.04 Overshoot - 2014 8.74 11.19 13.41 12.01 Mean positive overshoot - 2014 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 9.78 12.42 10.9 7.73 Overshoot - 2015 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 0.96 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 Overshoot - 2016 0.03 0.006 0.006 | | 0.03 | 0.14 | 0.00 | 0.02 |
| overshoot - 2013 0.61 0.13 0.09 0.04 2014 0.61 0.13 0.09 0.04 Mean positive overshoot - 2014 11.19 13.41 12.01 Overshoot - 2015 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 7.96 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 Overshoot - 0.33 0.04 0.02 0.006 | Mean | 9.26 | 9.44 | 9.1 | 8.8 |
| 2013 0.61 0.13 0.09 0.04 Mean positive overshoot - 2014 11.19 13.41 12.01 Overshoot - 2015 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 12.42 10.9 7.73 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 | - | | | | |
| Overshoot - 2014 0.61 0.13 0.09 0.04 Mean positive overshoot - 2014 11.19 13.41 12.01 Overshoot - 2015 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 12.42 10.9 7.73 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 7.96 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 | | | | | |
| 2014 8.74 11.19 13.41 12.01 positive overshoot - 2014 0.53 0.14 0.09 0.03 Overshoot - 2015 9.78 12.42 10.9 7.73 Mean positive overshoot - 2015 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 0.36 0.06 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 Overshoot - 2016 0.03 0.006 0.006 | | 0.61 | 0.13 | 0.09 | 0.04 |
| positive overshoot - 2014 0.53 0.14 0.09 0.03 Overshoot - 2015 9.78 12.42 10.9 7.73 Mean positive overshoot - 2015 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 7.96 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 | | 0.01 | 0.13 | 0.07 | 0.04 |
| overshoot - 2014 0.53 0.14 0.09 0.03 2015 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 12.42 10.9 7.73 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 | | 8.74 | 11.19 | 13.41 | 12.01 |
| 2014 0.53 0.14 0.09 0.03 2015 0.14 0.09 0.03 Mean 9.78 12.42 10.9 7.73 positive overshoot - 2015 0.06 0.03 0.006 Mean positive overshoot - 2016 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 | | | | | |
| Overshoot - 2015 0.53 0.14 0.09 0.03 Mean positive overshoot - 2015 12.42 10.9 7.73 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 7.96 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 | | | | | |
| 2015 9.78 12.42 10.9 7.73 positive overshoot - 2015 0.36 0.06 0.03 0.006 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 0.03 0.006 0.006 Overshoot - 0.33 0.04 0.02 0.006 | | 0.53 | 0.14 | 0.00 | 0.03 |
| Mean positive overshoot - 2015 9.78 12.42 10.9 7.73 Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 7.96 6.86 7.24 5.22 Overshoot - 2016 0.03 0.006 0.006 | | 0.55 | 0.14 | 0.09 | 0.03 |
| positive overshoot - 2015 0.36 0.06 0.03 0.006 Overshoot - 2016 7.96 6.86 7.24 5.22 Mean positive overshoot - 2016 0.03 0.006 0.006 Overshoot - 0.33 0.04 0.02 0.006 | | 9.78 | 12.42 | 10.9 | 7.73 |
| 2015 0.36 Overshoot - 2016 0.36 Mean positive overshoot - 2016 6.86 Overshoot - 0.33 0.04 0.02 0.006 | | | | | |
| Overshoot - 2016 0.36 0.06 0.03 0.006 Mean positive overshoot - 2016 6.86 7.24 5.22 Overshoot - 0.33 0.04 0.02 0.006 | | | | | |
| 2016 6.86 7.24 5.22 Mean positive overshoot - 2016 0.04 0.02 0.006 | | 0.26 | 0.06 | 0.02 | 0.006 |
| positive overshoot - 2016 | 2016 | | | | |
| overshoot - 2016 Overshoot - 0.33 0.04 0.02 0.006 | | 7.96 | 6.86 | 7.24 | 5.22 |
| 2016 | | | | | |
| Overshoot - 0.33 0.04 0.02 0.006 | | | | | |
| | | 0.33 | 0.04 | 0.02 | 0.006 |
| | | | | | |

| Mean | 6.32 | 8.3 | 8.03 | 7.04 |
|-------------|------|-----|------|------|
| positive | | | | |
| overshoot - | | | | |
| 2017 | | | | |

Table S7. Overshoot and mean positive overshoot of the CHE (measured as a share of total household consumption) per income quintile, (in %), pooled RLMS, 2010-2017, longitudinal

| | | 1 | | |
|-------------|-----------|-----------|-----------|-----------|
| | 10% | 25% | 30% | 40% |
| | threshold | threshold | threshold | threshold |
| Overshoot | 0.37 | 0.07 | 0.04 | 0.02 |
| q1 | | | | |
| Mean | 7.92 | 11.53 | 10.96 | 9.65 |
| positive | | | | |
| overshoot – | | | | |
| q1 | | | | |
| Overshoot - | 0.7 | 0.1 | 0.1 | 0.04 |
| q2 | | | | |
| Mean | 8.29 | 12.53 | 12.38 | 13.65 |
| positive | | | | |
| overshoot – | | | | |
| q2 | | | | |
| Overshoot - | 0.6 | 0.1 | 0.08 | 0.04 |
| q3 | | | | |
| Mean | 8.28 | 10.64 | 13.39 | 16.46 |
| positive | | | | |
| overshoot – | | | | |
| q3 | | | | |
| Overshoot - | 0.7 | 0.2 | 0.1 | 0.05 |
| q4 | | | | |
| Mean | 9.94 | 11.95 | 11.64 | 14.18 |
| positive | | | | |
| overshoot – | | | | |
| q4 | | | | |
| Overshoot - | 0.7 | 0.2 | 0.16 | 0.07 |
| q5 | | | | |
| Mean | 11.07 | 13.92 | 14.36 | 10.08 |
| positive | | | | |
| overshoot – | | | | |
| q5 | | | | |

Source/Notes: RLMS. The following values for the Pearson chi2 were reported: for the link between SES and 10% overshoot- Pearson chi2=41.0 (p=0.000), SES and 25% overshoot – Pearson chi2=14.75 (p=0.005), SES and 30% overshoot – Pearson chi2=11.62 (p=0.02), SES and 40% overshoot – Pearson chi2=11.45 (p=0.02).

Table S8. Impoverishing effects of OOP (poverty headcount, poverty gap and normalized poverty gap), (in %), pooled RLMS, 2010-2017, longitudinal

| Poverty he | Poverty headcount ratio gross of healthcare | | | | Poverty hea | adcount ratio net o | of healthcare | | | | | | |
|------------|---|--------------|------|------|-------------|---------------------|---------------|-------|------|-------------|---------------|--------------|---------------|
| payments | | | | | payments | | | | | | difference | | |
| | 1.9 USD per | 3.2 per day, | | | | 1.9 USD per | 3.2 per day, | | | | 1.9 USD per | 3.2 per day, | 5.5 USD per |
| | day, constant | constant | 5.5 | US] | D per day, | day, constant | constant | 5.5 l | USI | D per day, | day, constant | constant | day, constant |
| | 2011, PPP | 2011, PPP | cons | stan | t 2011, PPP | 2011, PPP | 2011, PPP | cons | stan | t 2011, PPP | 2011, PPP | 2011, PPP | 2011, PPP |
| Poverty | | | 1 | | Poverty | | | 1 | | Poverty | | | |
| headcoun | | | | | headcoun | | | | | headcoun | | | |
| t | 0.2 | 0.4 | 2 | | t | 0.2 | 0.5 | 4 | | t | 0.0 | 0.1 | 0.2 |
| | | | 3 | | | | | 3 | | | | | |
| Poverty | | | | | Poverty | | | | | Poverty | | | |
| gap | 0.9 | 1.9 | 6 | | gap | 0.9 | 2.0 | 6 | | gap | 0.0 | 0.0 | 0.1 |
| Normaliz | | | | | Normaliz | | | | | Normaliz | | | |
| ed | | | 0 | | ed | | | 0 | | ed | | | |
| poverty | | | | | poverty | | | | | poverty | | | |
| gap | 0.5 | 0.6 | 6 | | gap | 0.5 | 0.6 | 7 | | gap | 0.0 | 0.0 | 0.0 |

Table S9. Impoverishing effects of OOP (poverty headcount, poverty gap and normalized poverty gap), (in %), pooled RLMS, 2010-2017, longitudinal

| | | 1.9 USD per day, constant 2011, PPP | 3.2 per day, constant 2011, PPP | 5.5 USD per day, constant 2011, PPP | | | - | 1.9 USD per day, constant 2011, PPP | 3.2 per day, constant 2011, PPP | 5.5 USD per day, constant 2011, PPP | | | - | 1.9 USD per day, constant 2011, PPP | 3.2 per day, constant 2011, PPP | 5.5 USD per day, constant 2011, PPP |
|---|---------|--|---------------------------------------|---|--|---|---------|--|---------------------------------------|---|--|---|---------|--|---------------------------------------|--|
| | Poverty | | | 1 | | | Poverty | | | 1 | | | Poverty | | | |
| | headco | | | | | | headco | | | | | | headco | | | |
| | unt | 0.3 | 0.5 | 1 | | | unt | 0.3 | 0.5 | 2 | | | unt | 0.0 | 0.0 | 0.1 |
| | | | | 3 | | | | | | 3 | | | | | | |
| | Poverty | | | | | | Poverty | | | | | | Poverty | | | |
| | gap | 1.1 | 1.9 | 3 | | | gap | 1.1 | 1.9 | 4 | | | gap | 0.0 | 0.0 | 0.1 |
| 2 | Normali | | | | | 2 | Normali | | | | | 2 | Normali | | | |
| О | zed | | | 0 | | О | zed | | | О | | O | zed | | | |
| 1 | poverty | | | | | 1 | poverty | | | | | 1 | poverty | | | |
| 0 | gap | 0.6 | 0.6 | 6 | | О | gap | 0.6 | 0.6 | 6 | | 0 | gap | 0.0 | 0.0 | 0.0 |
| | Poverty | | | 1 | | | Poverty | | | 1 | | | Poverty | | | |
| | headco | | | | | | headco | | | | | | headco | | | |
| | unt | 0.1 | 0.4 | 0 | | | unt | 0.1 | 0.4 | 1 | | | unt | 0.0 | 0.0 | 0.1 |

| | | | | 1 1 | _ | | T | ī | 1 1 | | | T | 1 | |
|---|---------|----------|----------|-------|----|---------|----------|-------------|-----|----|---------|-----|-----|-----|
| | | | | 3 | | _ | | | 3 | | | | | |
| | Poverty | | | | | Poverty | | | | | Poverty | | | |
| | gap | 0.8 | 2.1 | 5 | | gap | 0.8 | 2.1 | 5 | | gap | 0.0 | 0.0 | 0.0 |
| 2 | Normali | | | | 2 | Normali | | | | 2 | Normali | | | |
| О | zed | | | 0 | О | zed | | | 0 | 0 | zed | | | |
| 1 | poverty | | | | 1 | poverty | | | | 1 | poverty | | | |
| 1 | gap | 0.4 | 0.6 | 6 | 1 | gap | 0.4 | 0.6 | 6 | 1 | gap | 0.0 | 0.0 | 0.0 |
| | Poverty | | | 1 | | Poverty | | | 1 | | Poverty | | | |
| | headco | | | | | headco | | | | | headco | | | |
| | unt | 0.2 | 0.5 | 1 | | unt | 0.2 | 0.5 | 2 | | unt | 0.0 | 0.0 | 0.2 |
| | | | | 3 | | | | | 3 | | | | | |
| | Poverty | | | | | Poverty | | | | | Poverty | | | |
| | gap | 0.9 | 2.1 | 4 | | gap | 0.9 | 2.1 | 5 | | gap | 0.0 | 0.0 | 0.1 |
| 2 | Normali | | | | 2 | Normali | | | | 2 | Normali | | | |
| О | zed | | | О | О | zed | | | 0 | О | zed | | | |
| 1 | poverty | | | | 1 | poverty | | | | 1 | poverty | | | |
| 2 | gap | 0.5 | 0.7 | 6 | 2 | gap | 0.5 | 0.7 | 6 | 2 | gap | 0.0 | 0.0 | 0.0 |
| | Poverty | | | 0 | | Poverty | | | 1 | | Poverty | | | |
| | headco | | | | | headco | | | | | headco | | | |
| | unt | 0.2 | 0.4 | 8 | | unt | 0.2 | 0.4 | О | | unt | 0.0 | 0.1 | 0.2 |
| | | | | 3 | | | | | 3 | | | | | |
| | Poverty | | | | | Poverty | | | | | Poverty | | | |
| | gap | 0.8 | 1.9 | 1 | | gap | 0.8 | 1.9 | 2 | | gap | 0.0 | 0.0 | 0.2 |
| 2 | Normali | | | | 2 | Normali | | - | | 2 | Normali | | | |
| О | zed | | | 0 | О | zed | | | 0 | О | zed | | | |
| 1 | poverty | | | 1.1 | 1 | poverty | | | | 1 | poverty | | | |
| 3 | gap | 0.4 | 0.6 | 6 | 3 | gap | 0.4 | 0.6 | 6 | 3 | gap | 0.0 | 0.0 | 0.0 |
| | Poverty | | | 0 | | Poverty | | | 0 | | Poverty | | | |
| | headco | | | | | headco | | | | | headco | | | |
| | unt | 0.2 | 0.2 | 6 | | unt | 0.2 | 0.2 | 9 | | unt | 0.0 | 0.0 | 0.2 |
| | | | | 3 | | | | | 3 | | | | | |
| | Poverty | | | | | Poverty | | | | | Poverty | | | |
| | gap | 0.8 | 1.2 | 4 | | gap | 1.0 | 1.2 | 7 | | gap | 0.1 | 0.0 | 0.2 |
| 2 | Normali | | | + - + | 2 | Normali | | | / | 2 | Normali | ¥ | | |
| 0 | zed | | | o | 0 | zed | | | o | 0 | | | | |
| 1 | poverty | | | | 1 | poverty | | | | 1 | poverty | | | |
| 4 | gap | 0.4 | 0.4 | 6 | 4 | gap | 0.5 | 0.4 | 7 | 4 | | 0.1 | 0.0 | 0.0 |
| - | Poverty | <u> </u> | <u> </u> | 1 | +- | Poverty | <u> </u> | ÿ, <u>4</u> | 1 | +- | Poverty | 0.1 | 0.0 | 0.0 |
| | headco | | | | | headco | | | | | headco | | | |
| | unt | 0.2 | 0.4 | 6 | | unt | 0.2 | 0.5 | 9 | | unt | 0.1 | 0.1 | 0.3 |
| | unt | 0.2 | 0.4 | U | 1 | unt | 0.2 | ს.ე | 9 | l | unt | 0.1 | 0.1 | ٠.ي |

| 1 | | | | 1 - | _ | | | | | | | | | |
|--------|----------------|-----|-----|----------|---------|----------------|-----|-----|---|------------|----------------|-----|-----|-----|
| | Poverty | | | 3 | | Poverty | | | 3 | | Poverty | | | |
| | gap | 0.6 | 1.7 | 6 | | gap | 0.7 | 1.8 | 8 | | gap | 0.2 | 0.0 | 0.2 |
| | Normali | | , | | | Normali | | | | | Normali | | | |
| 2 | zed | | | 0 | 2 | zed | | | О | 2 | | | | |
| 0 | poverty | | | | О | poverty | | | | (| poverty | | | |
| 1 5 | gap | 0.3 | 0.5 | 7 | 5 | gap | 0.4 | 0.5 | 7 | 1 | gap | 0.1 | 0.0 | 0.0 |
| | Poverty | | | 2 | | Poverty | | | 2 | | Poverty | | | |
| | headco | | | | | headco | | | | | headco | | | |
| | unt | 0.2 | 0.5 | 0 | | unt | 0.2 | 0.7 | 4 | | unt | 0.0 | 0.2 | 0.4 |
| | D | | | 3 | | D | | | 3 | | D | | | |
| | Poverty | 0.0 | 0.0 | | | Poverty | 0.0 | 0.1 | | | Poverty | 0.0 | 0.1 | 0.0 |
| 2 | gap | 0.9 | 2.0 | 8 | 2 | gap | 0.9 | 2.1 | 8 | _ 2 | | 0.0 | 0.1 | 0.0 |
| 0 | Normali | | | 0 | 0 | Normali | | | О | (| 37 1' | | | |
| 6 | zed | 0.5 | 0.6 | 7 | 6 | zed | 0.5 | 0.6 | 7 | 1 | | 0.0 | 0.0 | 0.0 |
| | poverty | 5.0 | | 1 | Ť | poverty | 5.0 | | 1 | | poverty | | | |
| | gap | | | | | gap | | | | | gap | | | |
| | Poverty | | | 1 | | Poverty | | | 2 | | Poverty | | | |
| | headco | | | | | headco | | | | | headco | | | |
| | unt | 0.1 | 0.5 | 6 | | unt | 0.2 | 0.6 | 0 | | unt | 0.0 | 0.1 | 0.3 |
| | Darrant | | | 3 | | Dannant | | | 3 | | Dannand | | | |
| | Poverty | 0.6 | 0.1 | <u>.</u> | | Poverty | 0.8 | 0.1 | | | Poverty | 0.0 | 0.0 | 0.1 |
| | gap Normali | 0.0 | 2.1 | 7 | \perp | gap Normali | 0.8 | 2.1 | 8 | \dashv , | gap Normali | 0.2 | 0.0 | 0.1 |
| 2 | zed | | | 0 | 2 | zed | | | o | | | | | |
| 1 | poverty | | | | 1 | poverty | | | | 1 | _ | | | |
| 7 | gap | 0.3 | 0.6 | 7 | 7 | gap | 0.4 | 0.7 | 7 | 5 | | 0.1 | 0.0 | 0.0 |

Table S9. Percentage share of households with unmet need (as reported in the survey), by type of healthcare service, pooled RLMS data, 2010-2017, longitudinal

| | Unmet | Unmet | Unmet | Unmet |
|--------|--------|----------------|-----------|------------|
| | dental | pharmaceutical | inpatient | outpatient |
| | care | care | care | care |
| entire | 9.16 | 6.79 | 3.75 | 2.99 |
| sample | | | | |
| 2010 | 9.58 | 5.86 | 3.43 | 2.86 |
| 2011 | 6.77 | 5.48 | 3.15 | 2.22 |
| 2012 | | | | |
| 2013 | 12.2 | 10.92 | 5.83 | 4.10 |
| 2014 | 8.88 | 5.84 | 3.04 | 2.56 |
| 2015 | 8.66 | 6.40 | 3.61 | 2.81 |
| 2016 | 9.82 | 7.12 | 3.35 | 2.97 |
| 2017 | 8.26 | 5.97 | 3.88 | 3.37 |

Source/Notes: RLMS. Note: the unmet need variables were not assessed in 2012.

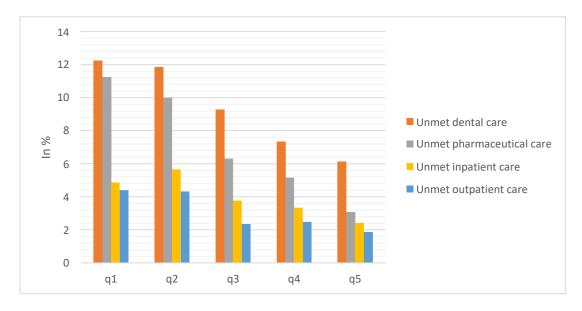


Figure S12. Percentage share of households with unmet need (as reported by the survey respondents), by income quintile and type of unmet need, pooled RLMS data 2010–2017, longitudinal.

Source/Notes: RLMS. The following values for the Pearson chi2 are reported. In case of unmet dental care and SES, Pearson chi2=78.28 (p=0.000), unmet need for medicines and SES, Pearson chi2=194.099 (p=0.000); unmet need for inpatient care and SES, Pearson chi2=36.33 (p=0.000); unmet need for outpatient care and SES, Pearson chi2=48.4

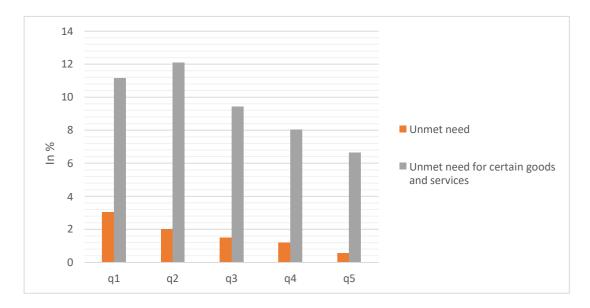


Figure S13. Percentage share of households with unmet need (defined as households who experience unmet need and incur zero healthcare expenditure) and unmet need for medicines and certain services, per income quintile, pooled RLMS data, 2010–2017, longitudinal.

Source/Notes: RLMS. The following values for the Pearson correlation coefficient are reported. In the case of unmet need and SES, Pearson chi2=66.85 (p=0.000), while in the case of unmet need for certain goods and services and SES, Pearson chi2=71.53 (p=0.000).07 (p=0.000).