Supplementary material to Pratiwi et al.

Supplementary file 2: Steps taken to integrate data

Supplementary file 2: Steps taken to integrate data from different sources

Data types processed	Operation	Output
All	Within each data type, generate variables needed for analysis, and standardise variables needed for merge.	Coded dataset for each data type
SUSENAS	Using weighted data, 1) collapse continuous variables to district/province/regional levels 2) collapse categorical variables. Merge 1) & 2)	3 SUSENAS datasets: district, region, province
PoDes	Collapse to district, provincial and regional levels as above	3 PoDes datasets: district, region, province
IPKM, BPJS	Collapse to provincial and regional levels	3 IPKM and 3 BPJS datasets: district, region, province
All collapsed	Merge all same-level datasets on geographic identifier	Full datasets for district, province and region
Full district and province datasets	Merge in shape files for mapping on geographic identifier	Full 2018 (BPJS 2017) datasets for district and province, with mapping data
SUSENAS	Merge district-level indicators from other datasets back into individual records	Full individual level dataset

SUSENAS=National Social and Economic Survey. PoDes=Village Potential Survey. IPKM=Population Health Development Index. BPJS=Social Security Agency for Health.