

Indicator 3.8.2

Indicator Name, Target and Goal

Indicator 3.8.2 Proportion of population with large household expenditures on health as a share of total household expenditure or income

Target 3.8 Achieve universal health coverage, including financial risk protection, access to quality essential health-care services and access to safe, effective, quality and affordable essential medicines and vaccines for all

Goal 3 Ensure healthy lives and promote well-being for all at all ages

Definition and Rationale

Definition

The proportion of population that spends (1) greater than 10% and (2) greater than 25% of the **total expenditure** on **health-related expenditure**.

Concepts

Total expenditure: expenditures for the purchase of goods and services required for daily living **except imputed values of goods and services**.

Health-related expenditure: Among "Total expenditure" mentioned above, the sum of items corresponding to *'The components of a household's health care consumption expenditure so defined should be consistent with division 06 of the UN Classification of Individual Consumption According to Purpose (COICOP 2018) and include expenditures on medicines and medical products (06.1), outpatient care services (06.2), inpatient care services (06.3) and other health services (06.4).'*

Rationale and Interpretation:

The data are mostly consistent with the designated definition.

Data Sources and Collection Method

Family income and Expenditure Survey (Total household)

Note: There are no available data to provide for these indicators on

websites. Therefore, figures needs to be specially calculated from micro data for this purpose.

Method of Computation and Other Methodological Considerations

○ Computation Method

proportion of population in each year[%]

$$= \frac{1}{12} \left(\sum_{m=1}^{12} \left(\sum_{h \in Health} N_{m,h} \times Weight_{m,h} \times 100 / \sum_{h \in U} N_{m,h} \times Weight_{m,h} \right) \right)$$

N: the number of household members

Weight: Distribution concerned (two-or-more persons household plus one-person household), which is equivalent of the sum of representativeness of each household in calculation

m: month

h: households

Health: set of household which spends over 10% / 25% of total expenditure on Health-related expenditure on Commodity Classification table in accordance with COICOP 2018.

U : : universal set of whole household

○ Comments and limitations

Total expenditure and health-related expenditure don't include the imputed values of goods and services.

In terms of practical convenience, each item of "Family Income and Expenditure Survey" corresponds to only single COICOP item for suitable conversion, even if it contains several goods/services of plural COICOP items, when determining whether it constitutes a part of "Health-related expenditure".

Data Disaggregation

N/A

References

Ministry of Internal Affairs and Communications
Family Income and Expenditure Survey (total household) yearly average
Table 3

<https://www.e-stat.go.jp/stat-search/files?page=1&layout=datalist&toukei=00200561&tstat=000000330001&cycle=7&tclass1=000000330001&tclass2=000000330019&tclass3=00000330020&second2=1>

Custodian Ministries of Data

Ministry of Internal Affairs and Communications

Custodian Ministries of Related Policies

Ministry of Health, Labour and Welfare

International Organizations

World Health Organization

World Bank