Indicator 3.4.1

Indicator Name, Target, and Goal

Indicator 3.4.1 Mortality rate attributed to cardiovascular disease, cancer, diabetes or chronic respiratory disease

Target 3.4 By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being

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

Definition and evidence

○ Definition

The annual number of deaths (the total of a cardiovascular disease, cancer, diabetes and chronic respiratory disease) of dead age 30 to 69 (in a group) is divided by the Japanese population and expressed per 100,000 population.

○ Concept

Cardiovascular disease, cancer, diabetes and chronic respiratory disease fall under I00-I99, C00-C96, E10-E14, and J30-98 in the "International Statistical Classification of Diseases and Related Health Problems 10th Revision (ICD-10)", respectively.

○ Evidence and interpretation

Vital Statistics has been conducted by making death records from death certificates submitted to each local governments. The number of deaths attributed to "cardiovascular disease, cancer, diabetes or chronic respiratory disease" is obtained by accumulating the cases of death of a given year when underlying causes of deaths were identified as "cardiovascular disease, cancer, diabetes or chronic respiratory disease."

Data source and collection methods

Vital Statistics

Calculation and other methodological observations

○ Calculation

The dead age 30 to 69 by cause of death rate (the total of a cardiovascular disease, cancer, diabetes or chronic respiratory disease) = The dead age 30 to 69 by number of deaths (the total of a cardiovascular disease,

cancer, diabetes or chronic respiratory disease) in a year / Japanese population of that year 30-69 age × 100,000

○ Comments and limitations

Vital Statistics calculate a mortality rate by cause of death for all ages (by age group). Although it is not clear how mortality rates are supposed to be calculated for SDGs purposes, we calculated mortality rates by assuming that the mortality rates provided for SDGs purposes are those of people aged 30 to 69 (group) who die from any of the following: cardiovascular disease, cancer, diabetes , chronic respiratory disease.

In addition, in the codes range of the Vital Statistics, a cancer became C00-C96 by an ICD-10 (2013 version) application from 2017, but there is not the change about other diseases. The cord range of cancer of SDGs is C00-C97.

Detailed tabulation of data

Although calculation by age group (five years age groups) is possible, since it becomes enormous data files, the total data is posted.

Reference

Vital Statistics

Ministries which provided data

Ministry of Health, Labour and Welfare

Ministries in charge of related policies

Ministry of Health, Labour and Welfare

International organizations in charge

World Health Organization (WHO)