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| **Health indicators (wskaźniki stanu zdrowia)** |
| **Explanation, additional information** | **Content of the lecture** |
| **Chorobowość***Prevalence*  | **Prevalence** $\frac{number of people with a disease/condition at specified time}{number of people in the population at risk at the specified time}$ \* 10n**Prevalence:*** Increased by:
	+ long duration of the disease
	+ longer life of not treated patient
	+ increased incidence
	+ in-migration of ill
	+ out-migration of healthy
	+ in migration of susceptible
	+ improved diagnostics
	+ better reporting
* Decreased by:
	+ short duration of the disease
	+ high case fatality
	+ decreased incidence
	+ in-migration of healthy
	+ out-migration of ill
	+ improved cure rate
 |
| **Zapadalność***Incidence* | **Incidence**$\frac{number of new events in a specified period}{number of people exposed to risk during this period}$ \*10n  |
| **Porówanie zapadalności z chorobowością** *Prevalence vs Incidence* | **Prevalence vs Incidence**

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| --- | --- | --- |
|  | **PREVALENCE** | **INCIDENCE** |
| **Numerator** | Number of existing cases of disease at given time point | Number of new cases of the disease during a specified period in time |
| **Denominator** | Population at risk | Population at risk |
| **Focus** | 1. Presence or absence of the disease2. “Snapshot” in time  | 1. Whether the event is a new case2. Time onset  |
| **Expresses** | Probability of being ill | Risk of getting the disease |
| **Uses** | 1. Burden of chronic diseases2. Implications for health services | 1. Studies on causation2. Acute diseases |

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| **Umieralność***Crude mortality rate* | **Crude mortality rate**$\frac{number of deaths in a secified period}{number at risk of dying during this period}$ \* 10n**Mortality rates**: Umieralność* crude
* age-specific
* proportionate
* age-standardized
 |
| **Śmiertelność***Case fatality*  | **Case fatality** $\frac{number of deaths from diagnosed cases}{number of diagnosted cases of the disease}$ \* 100% |
| **Oczekiwana długość życia***Life expectancy* | **Life expectancy**Average number of years individual of a given age is expected to live in current mortality rates remain unchanged |

**VOCABULARY**

Crude mortality rate- umieralność

Case fatality- śmiertelność

Incidence- zapadalność

Life expectancy- oczekiwana długość życia

Out-layers- obserwacje odstające

Prevalence- chorobowość

Susceptible- podatny, wrażliwy