other rates : vital rates (1)

Ask Mish

- Birth rate:number of births @1000people

- **Birth rate**=births/population x 1000

- Death rate:number of deaths @1000people

- **Death rate**=deaths/population x1000

- Case fatality rate: number of cases that end up in death;

- **CFR**= deaths from a cause/diseased x100

- **Proportionate mortality rate(PMR)**= deaths from a cause/all deaths x 100

other rates:vital rates(2)

Ask Mish

- Fertility rate=number of children/fertile woman

- **Fertility rate** = births/women of childbearing age(15-49) x1000

- **Infant mortality rate** : deaths 0-1 yo from 1000 live births; neonatal 0-28day, perinatal: 28days-1 year

- **IMR** = deaths 0-1 yo/live births x1000

Vital rates in epidemiology:

Ask Mish

	BIRTHS	DEATHS	DISEASES
Total population /1000	Birth rate	Death rate	Incidence (new) Prevalence (all)
Groups of population:infants/ mothers /100,000		IMR MMR	
Groups of population: diseased/ dead /100		CFR PMR	