Health Related data for India

1. AGR – 0.99% (UN, world population, 2020)
2. DGR – 12.5% (National commission on population, MoHFW, projections 2011 – 2021)
3. Sex ratio – 940 (2011 census)
4. EC rate – 15-18% (2011 census)
5. Literacy Rate – 77.7% (NSO survey 2020)
6. TFR – 2.2 (2018 survey)
7. MMR – 113 per Lac Live births (SRS 2018)
8. IMR 32 per 1000 live births (SRS 2018)
9. U5MR -34.3 as per UN data (2019), 36 per 1000 live births as per SRS (2018)
10. HDI – 0.645, rank 131 (UNDP, 2020)



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SMART PSM Data (part 1):

1. **RR / OR**

Relative risk = incidence exposed / incidence non exposed
Odds ratio = cross product ratio

2. **AR / PAR**

Attributable risk = (Incidence exposed – Incidence non exposed) / incidence exposed
Population attributable risk = (total incidence – Incidence exposed) / total incidence

3. **ARR / NNT**

Absolute risk reduction (ARR) = control event rate – Experimental event rate
Number needed to treat = 1 / ARR

4. **Sensitivity / Specificity / PPV/NPV**



Sensitivity = True positive / total diseased
Specificity = True negative / total healthy
PPV = True positive / total tested positive
NPV = true negative / total tested negative

5. **CV, V, SD, SEP, SEM, CD, Regression**

Coefficient of variation = SD / mean
Variance = SD x SD
Standard deviation = root of mean of squared deviations
Standard error of mean = SD / sq root of 'n'
Standard error of proportions = Sq root of (prevalence x 100-prevalence / n)
Coefficient of determination = square of correlation coefficient
Regression = y = a + bx

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SMART PSM Data (part2):

6. **GFR/ TFR / GRR / NRR**

General fertility rate – total children a female will bear during her reproductive years
Total fertility rate – total children a female will bear during her reproductive years assuming the age specific fertility pattern
Gross reproduction rate – Total daughters a female will have during her reproductive years assuming the age specific fertility pattern
Net reproduction rate – Total daughters a female will have during her entire life assuming the age specific fertility and mortality rates



7. **Pearl's Index**

Number of accidental pregnancies / total women years of exposure * 100

8. **Dependency ratio** = number of dependent (age 0-14 years and more than 65 years) / number of independent (age 15-64 years). It is 48.7 for India (Source: CIA 2020)

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9. **Net protein utilization** –

It is product of biological value and digestibility coefficient of protein.
= amount of nitrogen generated for body mass / total protein ingested * 100

10. **Corrected effective temperature** – takes into account air temperature, humidity, movement, cooling power and radiant heat