

## Some of the important REVISION TOPICS in PSM

1. Epidemiology
  - a. epidemic types, endemic, pandemic – with examples
  - b. types of study designs
  - c. case control, cohort, RCT studies **(v. Important)**
  - d. confounding and bias
  - e. OR, RR, AR, Number needed to treat **(v. Important) (AIIMS)**
2. screening of disease
  - a. formula of sensitivity, specificity, PPV, NPV, Likelihood ratio, ROC **(v. Important) (AIIMS)**
  - b. test in series, parallel
  - c. Numericals in screening **(v. Important) (AIIMS)**
3. biostats (really superficial for NEET, Deep for AIIMS)
  - a. data types and scales
  - b. formula for: Mean, median mode, standard deviation, coefficient of variation, variance
  - c. p-value and significance, alpha error
  - d. sample size calculation and sampling **(v. Important) (AIIMS)**
  - e. graphs in biostats
  - f. tests of significance **(v. Important) (AIIMS)**
  - g. Skew **(v. Important)**
  - h. correlation and regression **(v. Important)**
4. Vaccines
  - a. NIS, mission Indradhanush
  - b. dose, schedule, route and side effects **(v. Important)**
5. communicable disease – long chapter – atleast do the IPs, and period of communicability **(v. Important)**
  - a. diphtheria (vaccine, CFR, SAR, communicability)
  - b. measles (vaccine, communicability)
  - c. rubella (vaccine, SAR)
  - d. typhoid (diagnosis, vaccine indications)
  - e. hookworm
  - f. cholera
  - g. new infection – NIPAH, ZIKA, EBOLA, SARS,
  - h. Rickettsial disease, KFD (from micro)
  - i. plague (indicators) **(v. Important)**
6. vector borne disease
  - a. malaria, JE, KA, LF, dengue **(v. Important)**
  - b. Yellow fever – vaccine
7. polio
  - a. VDPV, VAPP, AFP surveillance, indicators **(v. Important)**



8. HIV
  - a. NACO – ART, post exposure, diagnosis in child born to HIV female
  - b. Syndromic kits (from Derma)
9. tuberculosis **(v. Important)**
  - a. NEW diagnosis protocol
  - b. NEW treatment protocol, chemoprophylaxis
  - c. RNTCP organogram and indicators
10. Leprosy
  - a. new treatment and chemoprophylaxis
  - b. NLEP indicators **(v. Important)**
11. tetanus
  - a. vaccine protocol **(v. Important)**
12. NPCBVI – indicators and blindness criteria
13. NCD
  - a. SDG goals, national framework targets **(v. Important)**
  - b. Obesity – Lorentz, Quetlet, Broca and other indicators
  - c. Rheumatic heart disease (important, upcoming topic) **(v. Important)**
  - d. oral health, tribal health (just quick review at the indicators)
14. New programs in health care **(v. Important)**
  - a. Ayushman bharat, Ujjawala
  - b. LaQshya, PMSMA, PMSSY, AMRIT scheme, Kayakalp, COPRA, Infant milk substitutes act
15. nutrition
  - a. protein indicators
  - b. fat classification and richest sources
  - c. milk and salient features of human milk **(v. Important)**
  - d. rich sources of - minerals and vitamins **(v. Important)**
  - e. nutritional surveillance and indicators of malnutrition – WFA, HFA, WFH
16. Mother and child health
  - a. RMNCH+A, all new schemes – MAA, JSSK, RBSK, RSK, INAP, SUMAN, PMSMA **(v. Important)**
  - b. ICDS, growth charts
  - c. indicators in MCH – IMR, MMR, PNMR, U5MR, SBR – formula, current value, target value, remarks and uses of indicators **(v. Important)**
17. Environment
  - a. air quality indicators – effective temperature, CET, instruments to measure **(v. Important)**
  - b. water filtration methods – home based – RO filter, Rapid sand filter
  - c. water quality indicators – chlorination, hardness **(v. Important)**
  - d. mosquito, sandfly, tick, louse, mite **(v. Important)**
  - e. overcrowding criteria
  - f. light, noise, radiation – just the minimum criteria
  - g. waste – waste disposal techniques
  - h. Biomedical waste guidelines 2016 - **(v. Important)**



18. Demography

- a. demographic cycle
- b. TFR, NRR formula, targets and remarks for the indicators **(v. Important)**
- c. data from NFHS 2015, Census 2011, SRS 2018
- d. contraception **(v. Important)**
  - i. IUD and OCPs – types, failure rates, contraindications
  - ii. newer contraception, AASHA brand, essure
  - iii. target couple, eligible couple

19. occupational health –

- a. pneumoconiosis – asbestosis, silicosis **(v. Important)**
- b. Plumbism, caissons
- c. ESI – updates, shramnik yojna **(v. Important)**
- d. ergonomics, factories act, child rights, disability bill

20. Health care system of India **(v. Important)**

- a. NRHM, NUHM, IDCS, anganwadi
- b. PHC, CHC, Subcentre – population norms, beds, staffing and job description
- c. committees in health care
- d. PERT, CPM, Cost benefit and effective analysis, zero budget, work sampling
- e. ABC/VED analysis

21. Other Chapters

- a. international health –
  - i. WHO, UNICEF
  - ii. non govt organisations – achievements **(v. Important)**
  - iii. MDG/SDG
- b. social medicine –
  - i. definitions
  - ii. SES scales **(v. Important)**
- c. health communication and health education – types **(v. Important)**
- d. disaster medicine – disaster cycle, vaccine in disaster, mitigation and preparedness

22. Numerical in PSM **(v. Important) (v. Important) (AIIMS)**

- a. calculation of vaccine requirement with vaccine wastage factors
- b. calculation of ANC females in an area
- c. sensitivity, PPV, NPV, specificity
- d. sample size calculation
- e. confidence interval calculation (based on standard errors)
- f. calculation of variation in data
- g. interpretation of p-value, OR with 95% confidence intervals
- h. interpretation of correlations, skewness

