**HIV counseling and testing**

**Q1. What is the HIV positivity rate?**

|  |  |  |
| --- | --- | --- |
| ***Formula*** | **Number tested positive for HIV / Number tested for HIV** | |
| *Numerators* | **DHIS** | **PIMS** |
| HIV test positive client 15-49 years | Individuals tested HIV positive: |
|  | Total, Female <15, 15-24, 25+; Male <15, 15-24, 25+ |
| Antenatal client HIV 1st test positive | Antenatal client HIV 1st test positive |
| Infant 1st PCR test positive around 6 weeks | Baby PCR test positive around 6 weeks |
| Infant rapid HIV test positive around 18 months | Baby HIV antibody test positive at 18 months |
| *Denominators* | HIV test client 15-49 years | Individuals HIV tested |
|  | Total, Female <15, 15-24, 25+; Male <15, 15-24, 25+ |
| Antenatal client HIV 1st test | Antenatal client HIV 1st test |
| Infant 1st PCR test around 6 weeks | Baby PCR test around 6 weeks |
| Infant rapid HIV test around 18 months | Baby HIV antibody test at 18 months |
| *Interpretation* | *XXX% tested for HIV and tested positive* | |
| *Other* | *PIMS: Individuals tested by testing type [total, health care facility, mobile, stand alone or community based]*  *ANC HIV Prevalence* | |

**Q2. What is the HCT coverage?**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Formula*** | **Number tested for HIV / population** | | |
| *Numerators* | **DHIS** | **PIMS** | **Catchment** |
| HIV test client 15-49 years | Individuals HIV tested |  |
|  | Total, Female <15, 15-24, 25+; Male <15, 15-24, 25+ |  |
| Antenatal client HIV 1st test | Antenatal client HIV 1st test |  |
| *Denominators* | Antenatal 1st visit total |  | Population |
| *Interpretation* | *\_\_\_% tested for HIV;* | | |
| *Other* | *PIMS: Individuals tested by testing type [total, health care facility, mobile, stand alone or community based]* | | |

**Q3. What is the condom distribution ratio?**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Formula*** | **Number of condoms distributed / population \* 1,000** | | |
|  | **DHIS** | **Catchment** |  |
| *Numerators* | Female condom distributed |  |  |
| Male condom distributed |  |  |
| *Denominators* |  | Population |  |
| *Interpretation* | *XX condoms were distributed per 1000 people in Mpumalanga* | | |

**Q4. What percent of HIV positive patients have TB co-infection?**

|  |  |  |
| --- | --- | --- |
| ***Formula*** | **Number PLHIV diagnosed with TB / Number tested for HIV** | |
| *Numerators* | **DHIS** | **PIMS** |
| TB/HIV co-infected client - total | Numerator - HIV-infected individuals diagnosed with active TB disease |
| *Denominators* | HIV test positive client 15-49 years | Individuals tested HIV positive: |
|  | Total, Female <15, 15-24, 25+; Male <15, 15-24, 25+ |
| *Interpretation* | *\_\_\_% of people tested positive for HIV with a confirmed TB test* | |
| *Other* | *PIMS: Individuals tested by testing type [total, health care facility, mobile, stand alone or community based]* | |

**Q5. What is the HIV-positivity rate among infants born to HIV-positive women?**

|  |  |  |
| --- | --- | --- |
| ***Formula*** | **Number of infants tested positive / Number of live births to HIV positive women** | |
| *Numerators* | **DHIS** | **PIMS** |
| Infant rapid HIV test positive around 18 months | Baby HIV antibody test positive at 18 months |
| Infant 1st PCR test positive around 6 weeks | Baby PCR test positive around 6 weeks |
| *Denominator* | Live births to HIV positive women |  |
| *Interpretation* | *XXX% of infants born to HIV positive women tested HIV positive* | |
| *Other* | *PIMS: Individuals tested by testing type [total, health care facility, mobile, stand alone or community based]* | |

**Q6. How many individuals were tested as couples?**

|  |  |
| --- | --- |
| ***Formula*** | **Number of individuals tested as a couple / Number tested for HIV** |
| *Numerators* | **PIMS** |
| Number of individuals tested as a couple |
| *Denominators* | Individuals HIV tested |
| Total, Female <15, 15-24, 25+; Male <15, 15-24, 25+ |
| *Interpretation* | *% of those tested for HIV in Mpumalanga who were tested as a couple* |

**Q7. What percentage of ANC testers were new clients?**

|  |  |
| --- | --- |
| ***Formula*** | **Number of 1st HIV test/ Number tested for HIV** |
|  | **DHIS** |
| *Numerator* | Antenatal client HIV 1st test |
| *Denominator* | Antenatal 1st visit totlal |
| *Interpretation* | *XXX% of antenatal clients were tested for the first time* |

**Q8. How many males were circumcised in VMMC?**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Formula*** | **Number of males circumcised / population \* 10,000** | | |
|  | **DHIS** | **PIMS** | **Census** |
| *Numerators* | Medical male circumcision performed | Males circumcised |  |
|  | 15-19, 20-24, 25-49, 50+ |  |
| *Denominators* |  |  | Population |
| *Interpretation* | *XXX men were circumcised per 10,000 men in the population* | | |

**HIV linkage to care**

**Q9. What percentage of newly identified HIV positive individuals were linked to care?**

|  |  |
| --- | --- |
| ***Formula*** | **Number in care / Number tested positive for HIV** |
| *Numerators* | **PIMS** |
| HIV-infected individuals who received pre-ART care at a clinic/healthcare facility |
| Females >15, Males >15, Total 0-15 |
| *Denominators* | Individuals tested HIV positive: |
| Total, Female <15, 15-24, 25+; Male <15, 15-24, 25+ |
| *Interpretation* | *XXX% of people tested positive for HIV were newly enrolled in care* |
| *Other* | *PIMS: Individuals tested by testing type [total, health care facility, mobile, stand alone or community based]* |

**Q10. What percentage of patients enrolled in ART were late diagnoses** *(CD4 counts <200 cell/mm3 at diagnosis)*

|  |  |
| --- | --- |
| ***Indicator*** | **N***umber of newly diagnosed individuals with CD4 counts under 200 cell/mm3/number with CD4 test done at start of ART* |
| *Numerators* | **Tier.net** |
| CD4 TLC below 15pc or 100 cls/µl at start of ART |
| Child under 15 years; Adult |
| CD4 TLC 15-19pc or 100-199 cls/µl at start of ART |
| Child under 15 years; Adult |
| *Denominators* | CD4 done at start of ART |
| Adult, Child under 15 years |
| *Interpretation* | *XX% of those with CD4 test who were a late diagnosis (CD4 counts <200 cell/mm3 at diagnosis)* |
| *Other* |  |

**Q11. What percentage of ART eligible pediatric and adult patients are initiated on ART?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Formula*** |  | | **N***umber on ART/number eligible for ART* | |
| *Numerators* | **PIMS** | **DHIS** | | **Tier.net** |
| HIV-infected individuals newly enrolled on ART |  | | naïve started ART |
| Females >15, Males >15, Total 0-15 |  | | Adult Male, adult female, <1, 1-5, 5-14 |
| *Denominator* | Individuals tested HIV positive: | Antenatal client eligible for ART initiation | |  |
|  | Total, Female <15, 15-24, 25+; Male <15, 15-24, 25+ | HIV test positive client 15-49 years | |  |
| *Interpretation* | *XX% of ART eligible patients (HIV positive patients) were initiated on ART* | | | |

**Q12. What percentage of PLHIV on ART were still on ART 12-months after initiation?**

|  |  |
| --- | --- |
| ***Indicator*** | **Child under 15 years percentage on ART after 12 months** |
| *Interpretation* | *XX% on ART are known to be alive and on treatment 12 months after initiation of ART* |

**Q13. What percentage of PLHIV on ART reached viral suppression?**

|  |  |
| --- | --- |
| ***Indicator*** | *Adult with Viral load suppressed rate at 12 months*  Child under 15 years with Viral load suppressed rate at 12 months |
| *Interpretation* | *XX% of patients on ART reached viral suppression* |