

HIV/ AIDS in Goa

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Life in the 21st
century
should be better for
all.

We can pass no
greater gift
to the next
generation
than a healthier
future.

That is our vision.
Together the people
of Goa
can make it a
reality.

Let us join and work
together
to face the
challenge

HIV/ AIDS imposes.

Figures at a Glance

A: Global Scenario

- First case detected among homosexuals in USA in 1981.
- Estimated number of people living with HIV/AIDS as on 2019 was 38.0 million.
- People newly infected with HIV in the year 2019 were 1.7 million.
- World wide 1.8 million children younger than 15 years were living with HIV upto 2019. During the year 2019, New HIV infections among children (0-14 years) were 1.5 lakh.
- World wide every day 500 children newly infected with HIV
- Everyday, 5000 new infections occurred in the world in 2019 despite the fact more is known than ever before about prevention and control of the epidemic.
- 97% of all HIV/ AIDS infected people are living in developing countries.
- Globally, young women 15-24 years old are most vulnerable to HIV infections, with infection rates twice as high as among men of the same age.
- Worldwide women comprise an increasing number of adults living with HIV/ AIDS. Women accounted for about 48 % of the adults infected in 2019. In Sub-Saharan Africa, women represent more than half of all people living with HIV/ AIDS.
- 53 % of Children living with HIV accessed antiretroviral therapy
- Every week, around 5500 young women aged 15-24 years become infected with HIV.
- HIV/ AIDS has had profound impact on teens and young adults. 32% of new HIV infections and almost one-third of the global total of people living with the disease are aged 15-24. In certain African countries, HIV infection rates are five times higher among young women than men.
- Around 32.0 million deaths have occurred all over the world. During 2019 alone, there were 0.69 million deaths due to AIDS out of which 1.0 lakh were children (<15 years). AIDS related deaths have been reduced by more than 55% since the peak in 2004.
- The annual number of global deaths from AIDS-related illness among people living with HIV (all ages) has declined from a peak of 1.7 million in 2004 to 0.69 million in 2019. Since 2010, AIDS-related mortality has declined by 39%.
- World over the predominant mode of transmission is through sexual intercourse being 75%, followed by injecting drug use (10%), Perinatal (10%) and blood and blood products (5%).

B: Indian Scenario

- First case of HIV detected among sex workers in Chennai in 1986.
- Nationally, there were an estimated 23.49 lakh (17.98 lakh – 30.98 lakh) PLHIV in 2019, with an adult (15–49 years) HIV prevalence of 0.22% (0.17–0.29%). This includes around 79 thousand CLHIV accounting for 3.4% of the total PLHIV estimates.
- 9.94 lakh women living with HIV (15+ years) constituting around 44% of the total estimated 15+ years PLHIV.
- 69.22 thousand (37.03 thousand – 121.50 thousand) new HIV infections in 2019, which has declined by 37% since 2010 and by 86% since attaining the peak in 1997.
- Overall, the estimated adult (15–49 years) HIV prevalence trend has been declining in India since the epidemic's peak in the year 2000 and has been stabilizing in recent years. The estimate for this indicator was 0.22% (0.17–0.29%) in 2019 (see Figure 4). In the same year, HIV prevalence among adult males (15–49 years) was estimated at 0.24% (0.18–0.32%) and among adult females at 0.20% (0.15–0.26%).
- 58.96 thousand (33.61 thousand – 102.16 thousand) AIDS-related deaths in the year 2019, which has declined by 66% since 2010 and by 78% since attaining its peak in 2005.
- HIV incidence was estimated at 0.05 per 1,000 uninfected population in 2019.
- Around 20.52 thousand (14.98 thousand – 28.13 thousand) pregnant women were estimated to be in need of PMTCT
- At the sub-national level, three States with the highest adult HIV prevalence were from the north-eastern part of the country, namely Mizoram (2.32% [1.85–2.84%]), Nagaland (1.45% [1.15–1.78%]), and Manipur (1.18% [0.97–1.46%]). Other States/UTs estimated to have adult HIV prevalence higher than the national average were Andhra Pradesh (0.69% [0.54–0.89%]), Meghalaya (0.54% [0.46–0.63%]), Telangana (0.49% [0.35–0.66%]), Karnataka (0.47% [0.37–0.59%]), Delhi (0.41% [0.33–0.50%]), Maharashtra (0.36% [0.25–0.53%]), Puducherry (0.35% [0.20–0.58%]), Goa (0.27% [0.19–0.46%]), Punjab (0.27% [0.22–0.35%]), Dadra and Nagar Haveli (0.23% [0.14–0.37%]), and Tamil Nadu (0.23% [0.16–0.29%]).
- A decline in HIV prevalence, similar to the national trend, has been noted in the southern States of Andhra Pradesh, Karnataka, Tamil Nadu and Telangana, the western States of Maharashtra, Goa and Gujarat, the northern States of Punjab and Haryana, and the north-eastern State of Manipur. In the rest of the States/ UTs, HIV prevalence appeared to range from being stable to rising. Particularly, adult prevalence has been rising in Mizoram and was stable in Nagaland at a very high level. The rising HIV prevalence was noted in the rest of the north-eastern States.
- Nationally, the annual new HIV infections has decreased by 37% since 2010. The decline in annual new HIV infections has been noted in all States/UTs except for Tripura, Arunachal Pradesh, Chhattisgarh and Chandigarh. The highest decline has been noted in Karnataka (75%), followed by Himachal Pradesh (74%) and Andhra Pradesh (65%). Annual new HIV infections are estimated to have increased in Tripura, Arunachal Pradesh and Chhattisgarh; while they have stabilized in Mizoram and West Bengal.

C: Goan Scenario

- First case of HIV+ detected in 1987.
 - 1987- First Case detected in a Foreigner.
 - 1988- An Indian but a non Goan
 - 1989- First Case detected in a Goan Student.

- Total number of HIV+ cases detected in Goa since 1987 till October 2020 is 17,530

- Total AIDS cases reported to Goa SACS up to October 2020 is 1,850.

- AIDS related deaths reported to Goa SACS up to August 2020 is 1,213.

- HIV infection is prevalent in all parts of Goa and majority of the cases are reported in the four coastal talukas viz. Salcete (16.3%), Mormugao (16.3%) in South Goa District and Tiswadi (5.6%) and Bardez (12.8%) in North Goa District during 2019. Out of 293 cases reported in Goa during the year 2019, 30.6 % belong to other States /foreigners/not specified.

- 72.6% of the cases detected in Goa during 2019 belonged to the age group 15-49 years.

- During 2019, out of the total female infected cases nearly 29.5% belong to the age group 15-34 years whereas around 30.3% of the infected males belonged to this age group, out of the total male infected.

- In the age group 35-49, over 41 % males and about 53% females were found infected out of the total male and female cases detected during 2019.

- During 1999-2019, Sexual route is the predominant mode of transmission in the range of 83 to 96% followed by Perinatal 4 to 8%. Transmission through blood and blood products and infected syringes and needles is negligible in Goa.

Total number of tests conducted for HIV/AIDS in Goa from 1986 to 2020 (Oct)

Year	No. of Blood Samples tested			HIV+ cases			Positivity Rate (%)	No. of AIDS Cases		
	Gen	ANC	Total	Gen	ANC	Total		M	F	T
1986	229	-	229	-	-	-	-	-	-	-
1987	1,255	-	1,255	3	-	3	0.24	-	-	-
1988	3,822	-	3,822	6	-	6	0.16	-	-	-
1989	10,210	-	10,210	18	-	18	0.18	1	-	1
1990	10,071	-	10,071	18	-	18	0.18	1	-	1
1991	8,603	-	8,603	30	-	30	0.35	2	-	2
1992	8,690	-	8,690	144	-	144	1.66	3	1	4
1993	7,978	-	7,978	123	-	123	1.54	3	0	3
1994	4,533	-	4,533	195	-	195	4.30	3	1	4
1995	2,279	-	2,279	203	-	203	8.91	4	2	6
1996	2,959	-	2,959	327	-	327	11.05	11	3	14
1997	3,526	-	3,526	473	-	473	13.41	12	2	14
1998	4,903	-	4,903	522	-	522	10.65	11	4	15
1999	7,804	-	7,804	750	-	750	9.61	12	2	14
2000	7,813	-	7,813	807	-	807	10.33	11	2	13
2001	7,216	-	7,216	801	-	801	11.10	39	9	48
2002	13,848	-	13,848	999	-	999	7.21	51	17	68
2003	11,682	2,567	14,249	1,016	38	1,054	7.40	105	57	162
2004	11,221	3,717	14,938	956	47	1,003	6.71	139	54	193
2005	11,814	3,068	14,882	1,029	41	1,070	7.19	119	61	180
2006	11,023	7,357	18,380	940	75	1,015	5.52	58	23	81
2007	12,485	10,432	22,917	1,029	65	1,094	4.77	79	38	117
2008	15,684	11,053	26,737	954	65	1,019	3.81	74	31	105
2009	21,220	12,253	33,473	901	58	959	2.86	120	64	184
2010	21,627	11,802	33,429	769	52	821	2.46	102	52	154
2011	25,532	14,609	40,141	630	35	665	1.66	68	38	106
2012	30,500	14,053	44,553	532	22	554	1.24	52	26	78
2013	40,827	16,353	57,180	505	27	532	0.93	34	17	51
2014	47,003	15,818	62,821	449	26	475	0.75	28	19	47
2015	47,035	15,622	62,657	329	16	345	0.55	15	14	29
2016	48,517	15,563	64,080	360	18	378	0.59	24	6	30
2017	52,854	19,929	72,783	366	24	390	0.54	35	20	55
2018	60,863	19,037	79,900	269	11	280	0.35	17	12	29
2019	63,183	23,186	86,369	281	12	293	0.34	19	10	29
2020	35,024	15,507	50,531	158	6	164	0.32	10	3	13
Total	673,833	231,926	905,759	16,892	638	17,530	1.94	1262	588	1850

Gen = General

ANC =Antenatal Clinic

*** includes tests conducted in FICTCs, CBT (Community based testing)**

**Sex-wise HIV/ AIDS cases detected/ reported in General population,
1986 to 2020 (Oct)**

Year	No. of Blood samples Tested	HIV+ cases				Positivity Rate (%)	No. of AIDS Cases		
		Male	Female	TS/TG	Total		Male	Female	Total
1986	229	-	-	-	-	-	-	-	-
1987	1,255	3	0	-	3	0.24	-	-	-
1988	3,822	5	1	-	6	0.16	-	-	-
1989	10,210	13	5	-	18	0.18	1	-	1
1990	10,071	12	6	-	18	0.18	1	-	1
1991	8,603	16	14	-	30	0.35	2	-	2
1992	8,690	53	91	-	144	1.66	3	1	4
1993	7,978	54	69	-	123	1.54	3	0	3
1994	4,533	138	57	-	195	4.30	3	1	4
1995	2,279	178	25	-	203	8.91	4	2	6
1996	2,959	294	33	-	327	11.05	11	3	14
1997	3,526	420	53	-	473	13.41	12	2	14
1998	4,903	459	63	-	522	10.65	11	4	15
1999	7,804	492	258	-	750	9.61	12	2	14
2000	7,813	559	248	-	807	10.33	11	2	13
2001	7,216	538	263	-	801	11.10	39	9	48
2002	13,848	652	347	-	999	7.21	51	17	68
2003	11,682	646	370	-	1,016	8.70	105	57	162
2004	11,221	623	333	-	956	8.52	139	54	193
2005	11,814	634	395	-	1,029	8.71	119	61	180
2006	11,023	595	345	-	940	8.53	58	23	81
2007	12,485	662	367	-	1,029	8.24	79	38	117
2008	15,684	582	371	1	954	6.10	74	31	105
2009	21,220	534	367	0	901	4.25	120	64	184
2010	21,627	499	269	1	769	3.55	102	52	154
2011	25,532	375	253	2	630	2.46	68	38	106
2012	30,500	336	194	2	532	1.74	52	26	78
2013	40,827	308	197	0	505	1.24	34	17	51
2014	47,003	258	190	1	449	0.98	28	19	47
2015	47,035	188	141	0	329	0.70	15	14	29
2016	48,517	204	151	5	360	0.80	24	6	30
2017	52,854	221	145	0	366	0.70	35	20	55
2018	60,863	161	108	0	269	0.48	17	12	29
2019	63,183	165	115	1	281	0.44	19	10	29
2020	35,024	99	59	0	158	0.45	10	3	13
Total	673,833	10976	5903	13	16,892	2.5	1262	588	1850

Sex-wise reported number of AIDS Deaths, 1993-2020 (Aug)

Year	Male	Female	TS/TG	Total
Cumulative figures (1993-2000)	11	3	0	14
2001	11	4	0	15
2002	12	2	0	14
2003	21	11	0	32
2004	23	9	0	32
2005	67	24	0	91
2006	75	33	0	108
2007	67	42	0	109
2008	88	27	0	115
2009	91	49	0	140
2010	60	29	0	89
2011	55	35	0	90
2012	67	34	1	102
2013	34	27	0	61
2014	28	11	0	39
2015	19	20	0	39
2016	18	13	0	31
2017	22	9	0	31
2018	18	3	0	21
2019	6	14	0	20
2020 (Aug)	11	9	0	20
Total	804	408	1	1213

Taluka-wise percentage distribution of HIV+ cases detected in General population in Goa, 2000 to 2020 (Oct)

Taluka	Proportion (%) of HIV positive cases detected																				
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Tiswadi	15.8	14.4	14.7	13.1	17.4	15.7	11.8	11.0	12.6	11.5	8.9	9.4	7.7	11.4	4.7	8.5	9.2	6.8	7.8	5.6	7.5
Bardez	13.9	14.5	11.1	12.8	15.7	12.3	14.2	14.5	14.0	15.5	15.2	14.6	16.2	14.9	15.4	11.9	15.0	14.7	7.8	12.8	14.5
Pernem	1.2	2.9	2.2	1.6	2.1	1.2	3.5	2.4	1.7	1.6	1.3	1.7	1.3	2.5	1.6	1.8	2.2	2.1	2.2	3.2	2.5
Bicholim	2.7	2.2	3.2	2.8	2.7	2.8	3.7	3.4	2.6	3.3	2.2	2.9	3.4	2.0	1.3	2.4	3.6	2.1	3.3	2.1	2.5
Satari	0.4	0.6	1.1	0.8	0.7	1.7	1.0	1.1	1.3	2.1	2.1	2.4	3.2	2.8	2.5	3.3	1.1	0.8	0.7	1.4	1.9
Ponda	4.8	6.0	3.9	7.2	5.0	6.0	5.8	4.7	5.8	4.8	4.4	4.1	5.6	5.9	8.7	5.8	3.3	6.8	4.8	4.6	5.7
Salcete	18.5	21.6	19.1	18.9	20.4	18.7	18.6	17.8	18.0	17.1	13.8	13.7	11.1	18.4	14.0	9.7	13.1	14.2	12.2	16.3	14.5
Mormugao	19.3	23.0	26.4	21.4	19.0	19.2	19.5	14.4	16.1	16.5	19.9	18.1	16.6	12.9	12.5	22.2	21.7	16.3	21.1	16.3	17
Sanguem	1.4	2.2	1.9	2.9	1.3	3.5	1.6	2.5	1.3	3.3	3.0	2.5	2.6	1.6	1.3	4.6	2.5	2.7	2.2	3.5	1.9
Quepem	2.7	3.1	3.0	2.5	2.4	2.2	1.5	3.8	2.2	2.5	3.0	3.0	1.9	2.4	2.7	2.1	2.5	2.1	2.9	1.7	2.5
Canacona	0.7	1.1	1.7	1.1	1.8	1.9	2.3	2.8	2.4	1.2	3.5	0.6	2.8	1.6	1.1	0.9	2.5	1.6	0.7	1	2.5
Dharbandora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0	0.2	1.0	1.1	0.3	0.0
Others #	18.6	8.4	11.7	14.9	11.5	14.8	16.5	21.6	22.0	20.8	22.7	27.0	27.6	23.2	33.8	26.8	23.1	28.1	32.7	30.6	26.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100	100.0	100.0

Others include those belonging to other States, foreigners as also those not specified.

Taluka-wise distribution of HIV+ cases detected in General population in Goa, 2000 to 2020 (Oct)

Taluka	Number of HIV positive cases detected																				
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Tiswadi	127	115	147	133	166	161	111	113	122	104	68	59	41	58	21	28	33	25	21	16	12
Bardez	112	116	111	130	150	127	133	149	133	140	117	92	86	75	69	39	54	54	21	36	23
Pernem	10	23	22	16	20	12	33	24	16	14	10	11	7	13	7	6	8	8	6	9	4
Bicholim	22	18	32	29	26	29	35	35	25	30	17	18	18	10	6	8	13	8	9	6	4
Satari	3	5	11	8	7	17	9	12	12	19	16	15	17	14	11	11	4	3	2	4	3
Ponda	39	48	39	73	48	62	55	48	55	41	34	26	30	30	39	19	12	25	13	13	9
Salcete	149	173	191	192	195	198	175	183	172	154	106	86	59	93	63	32	47	52	33	46	23
Mormugao	156	184	263	218	182	192	183	148	154	149	153	114	88	65	56	73	78	60	57	46	27
Sanguem	11	18	19	30	12	36	15	26	12	30	23	16	14	8	6	15	9	10	6	10	3
Quepem	22	25	30	25	23	23	14	39	21	22	23	19	10	12	12	7	9	8	8	5	4
Canacona	6	9	17	11	17	20	22	29	23	11	27	4	15	8	5	3	9	6	2	3	4
Dharbandora	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	1	4	3	1	0
Others #	150	67	117	151	110	152	155	223	209	187	175	170	147	117	152	88	83	103	88	86	42
Total	807	801	999	1016	956	1029	940	1029	954	901	769	630	532	505	449	329	360	366	269	281	158

Others include those belonging to other States, foreigners as also those not specified.

Age / Sex-wise distribution of HIV+ cases detected in General population in Goa, 2009-2014

Age group	2009			2010				2011				2012				2013				2014			
	M	F	T	M	F	TS/TG	T	M	F	TS/TG	T	M	F	TS/TG	T	M	F	TS/TG	T	M	F	TS/TG	T
<14	20 (3.7)	20 (5.4)	40 (4.4)	24 (4.8)	20 (7.4)	0 (0.0)	44 (5.7)	24 (6.4)	17 (6.7)	0 (0.0)	41 (6.5)	14 (4.2)	16 (8.3)	0 (0.0)	30 (5.6)	8 (2.6)	10 (5.1)	0	18 (3.6)	13 (5.0)	14 (7.4)	0	27 (6.0)
15-24	27 (5.1)	31 (8.5)	58 (6.4)	28 (5.6)	19 (7.1)	0 (0.0)	47 (6.1)	30 (8.0)	20 (7.9)	1 (50.0)	51 (8.1)	22 (6.5)	13 (6.7)	1 (50.0)	36 (6.7)	26 (8.5)	9 (4.6)	0	35 (6.9)	16 (6.2)	17 (8.9)	0 (0.0)	33 (7.3)
25-34	171 (32.0)	137 (37.3)	308 (34.2)	136 (27.3)	100 (37.2)	1 (100.0)	237 (30.8)	105 (28.0)	80 (31.6)	1 (50.0)	186 (29.5)	85 (25.3)	60 (30.9)	0 (0.0)	145 (27.3)	68 (22.1)	65 (33.0)	0	133 (26.4)	52 (21.1)	50 (26.3)	1 (100.0)	103 (23.0)
35-49	270 (50.6)	149 (40.6)	419 (46.5)	263 (52.7)	104 (38.7)	0 (0.0)	333 (47.8)	177 (47.1)	105 (41.5)	0 (0.0)	282 (44.8)	168 (50.0)	82 (42.3)	1 (50.0)	251 (47.2)	152 (49.3)	83 (42.1)	0	235 (46.5)	130 (50.4)	68 (35.8)	0 (0.0)	198 (44.1)
>50	46 (8.6)	30 (8.2)	76 (8.5)	48 (9.6)	26 (9.6)	0 (0.0)	74 (9.6)	39 (10.4)	30 (11.9)	0 (0.0)	69 (10.9)	47 (14.0)	23 (11.8)	0 (0.0)	70 (13.2)	54 (17.5)	30 (15.2)	0	84 (16.6)	47 (18.2)	41 (21.6)	0 (0.0)	88 (20.)
Not specified	-	-	-	-	-	-	-	-	1 (0.4)	-	1 (0.2)	-	-	-	-	-	-	-	-	-	-	-	-
Total	534 (100.0)	367 (100.0)	901 (100.0)	499 (100.0)	269 (100.0)	1 (100.0)	769 (100.0)	375 (100.0)	253 (100.0)	2 (100.0)	630 (100.0)	336 (100.0)	194 (100.0)	2 (100.0)	532 (100.0)	308 (100.0)	197 (100.0)	0 (0.0)	505 (100.0)	258 (100.0)	190 (100.0)	1 (100.0)	449 (100.0)

Age / Sex-wise distribution of HIV+ cases detected in General population in Goa, 2015-2018

Age group	2015				2016				2017				2018			
	M	F	TS/TG	T	M	F	TS/TG	T	M	F	TS/TG	T	M	F	TS/TG	T
<14	9 (4.8)	5 (3.5)	0	14 (4.3)	5 (2.5)	7 (4.6)	0	12 (3.3)	4 (1.8)	8 (5.5)	0	12 (3.3)	6 (3.7)	3 (2.8)	0	9 (3.3)
15-24	18 (9.6)	6 (4.3)	0	24 (7.3)	11 (5.3)	8 (5.3)	2 (40.0)	21 (5.8)	22 (10.0)	11 (7.6)	0	33 (9.0)	14 (8.7)	11 (10.2)	0	25 (9.3)
25-34	51 (27.1)	38 (26.9)	0	89 (27.1)	47 (23.1)	37 (24.6)	2 (40.0)	86 (23.9)	58 (26.2)	21 (14.5)	0	79 (21.6)	31 (19.3)	17 (15.7)	0	48 (17.8)
35-49	81 (43.1)	71 (50.4)	0	152 (46.2)	102 (50.0)	64 (42.3)	0	166 (46.1)	93 (42.1)	73 (50.3)	0	166 (45.4)	66 (41.0)	54 (50.0)	0	120 (44.6)
>50	29 (15.4)	21 (14.9)	0	50 (15.1)	39 (19.1)	35 (23.2)	1 (20.0)	75 (20.9)	44 (19.9)	32 (22.1)	0	76 (20.8)	44 (27.3)	23 (21.3)	0	67 (24.9)
Not specified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	188 (100.0)	141 (100.0)	0	329 (100.0)	204 (100.0)	151 (100.0)	5 (100.0)	360 (100.0)	221 (100.0)	145 (100.0)	0 (100.0)	366 (100.0)	161 (100.0)	108 (100.0)	0 (0.0)	269 (100.0)

Age / Sex-wise distribution of HIV+ cases detected in General population in Goa, 2019-2020 (Oct)

Age group	2019				2020			
	M	F	TS/ TG	T	M	F	TS/ TG	T
<14	6 (3.6)	1 (0.9)	0	7 (2.5)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
15-24	9 (5.5)	6 (5.2)	1 (100)	16 (5.7)	3 (3.0)	3 (5.1)	0 (0.0)	6 (3.8)
25-34	41 (24.8)	18 (15.7)	0	59 (21.0)	27 (27.3)	10 (16.9)	0 (0.0)	37 (23.4)
35-49	68 (41.2)	61 (53.0)	0	129 (45.9)	38 (38.4)	32 (54.2)	0 (0.0)	70 (44.3)
>50	41 (24.8)	29 (25.2)	0	70 (24.9)	31 (31.3)	14 (23.7)	0 (0.0)	45 (28.5)
Not specified	0	0	0	0	0	0	0	0
Total	165 (100.0)	115 (100.0)	1 (100.0)	281 (100.0)	99 (100.0)	59 (100.0)	0 (100.0)	158 (100.0)

Proportion (%) of HIV+ cases by sex in different age groups, 2009 to 2020

Age group	2009			2010				2011				2012				2013				2014			
	M	F	T	M	F	TS/TG	T	M	F	TS/TG	T	M	F	TS/TG	T	M	F	TS/TG	T	M	F	TS/TG	T
<14	50.0	50.0	100.0	54.5	45.5	0.0	100.0	58.5	41.5	0	100.0	46.7	53.3	0	100.0	44.4	56.6	0	100.0	48.1	51.9	0.0	100.0
15-24	46.6	53.4	100.0	59.6	40.4	0.0	100.0	58.8	39.2	2.0	100.0	61.1	36.1	2.8	100.0	74.3	25.7	0	100.0	48.5	51.5	0.0	100.0
25-34	55.5	44.5	100.0	57.4	42.2	0.4	100.0	56.5	43.0	0.5	100.0	58.6	43.4	0	100.0	51.1	48.9	0	100.0	50.5	48.5	1.0	100.0
35-49	64.4	35.6	100.0	71.7	28.3	0.0	100.0	62.8	37.2	0	100.0	66.9	32.7	0.4	100.0	64.7	35.3	0	100.0	65.7	34.3	0.0	100.0
>50	66.5	39.5	100.0	64.9	35.1	0.0	100.0	56.5	43.5	0	100.0	67.1	32.9	0	100.0	64.3	35.7	0	100.0	53.4	46.6	0.0	100.0
Not specified	-	-	-	-	-	-	-	-	100.0	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Total	59.3	40.7	100.0	64.9	35.0	0.1	100.0	59.5	40.1	0.4	100.0	63.2	36.5	0.3	100.0	61.0	39.0	0	100.0	57.5	42.3	0.2	100.0

Age group	2015				2016				2017				2018				2019				2020			
	M	F	TS/TG	Total	M	F	TS/TG	Total	M	F	TS/TG	Total	M	F	TS/TG	Total	M	F	TS/TG	Total	M	F	TS/TG	Total
<14	64.3	35.7	0.0	100.0	41.7	58.3	0	100	33.3	66.7	0.0	100.0	66.7	33.3	0	100	85.7	14.3	0.0	100.0	0.0	0	0.0	0.0
15-24	75.0	25.0	0.0	100.0	52.4	38.1	9.5	100	66.7	33.3	0.0	100.0	56.0	44.0	0	100	56.3	37.5	6.3	100.0	60.0	40.0		100
25-34	57.3	42.7	0.0	100.0	54.7	37.0	2.3	100	73.4	26.6	0.0	100.0	64.6	35.4	0	100	69.5	30.5	0	100.0	77.4	22.6		100
35-49	53.3	46.7	0.0	100.0	61.4	38.6	0	100	56.0	44.0	0.0	100.0	55.0	45.0	0	100	52.7	47.3	0	100.0	54.0	46.0		100
>50	58.0	42.0	0.0	100.0	52.0	46.7	1.3	100	57.9	42.1	0.0	100.0	65.7	34.3	0	100	58.6	41.4	0	100.0	69.0	31.0		100
Not specified	0.0	0.0	0.0	0.0	0	0	0	0	0.0	0.0	0.0	0.0	0	0	0	0	0.0	0.0	0.0	0.0	0	0	0	0
Total	57.1	42.9	0.0	100.0	56.7	42.0	1.3	100.0	60.4	39.6	0.0	100.0	60.7	39.3	0	100	58.7	40.9	0.4	100.0	63.8	36.2	0	100.0

Age / Sex-wise distribution of HIV+ cases detected in Goa, 2000 to 2007

Age group	2000			2001			2002			2003			2004			2005			2006			2007		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
0-14	17 (3.0)	16 (6.5)	33 (4.1)	30 (5.6)	15 (5.7)	45 (5.6)	32 (4.9)	10 (2.9)	42 (4.2)	27 (4.2)	19 (5.1)	46 (4.5)	38 (6.1)	25 (7.5)	63 (6.6)	37 (5.8)	29 (7.3)	66 (6.4)	32 (5.4)	24 (7.0)	56 (6.0)	39 (5.9)	25 (6.8)	64 (6.2)
15-29	154 (27.6)	123 (49.6)	277 (34.3)	143 (26.6)	123 (46.8)	266 (33.2)	176 (27.0)	181 (52.2)	357 (35.7)	148 (22.9)	187 (50.6)	335 (33.0)	130 (20.9)	124 (37.2)	254 (26.6)	120 (18.9)	133 (33.7)	253 (24.6)	93 (15.6)	118 (34.2)	211 (22.4)	119 (18.0)	119 (32.4)	238 (23.1)
30-49*	298 (53.3)	97 (39.1)	395 (49.0)	279 (51.9)	93 (35.4)	372 (46.4)	394 (60.4)	140 (40.3)	534 (53.5)	387 (59.9)	147 (39.7)	534 (52.6)	384 (61.6)	157 (47.1)	541 (56.5)	425 (67.1)	208 (52.7)	633 (61.5)	408 (68.6)	184 (53.3)	592 (63.0)	424 (64.0)	196 (53.4)	620 (60.3)
49+*	83 (14.8)	11 (4.4)	94 (11.6)	82 (15.2)	29 (11.0)	111 (13.9)	39 (6.0)	16 (4.6)	55 (5.5)	60 (9.3)	14 (3.8)	74 (7.3)	61 (9.8)	24 (7.3)	85 (8.9)	52 (8.2)	25 (6.3)	77 (7.5)	62 (10.4)	19 (5.5)	81 (8.6)	80 (12.1)	27 (7.4)	107 (10.4)
Not specified	7 (1.3)	1 (0.4)	8 (1.0)	4 (0.7)	3 (1.1)	7 (0.9)	11 (1.7)	0 (0)	11 (1.1)	24 (3.7)	3 (0.8)	27 (2.6)	10 (1.6)	3 (0.9)	13 (1.4)	-	-	-	-	-	-	-	-	-
Total	559 (100.0)	248 (100.0)	807 (100.0)	538 (100.0)	263 (100.0)	801 (100.0)	652 (100.0)	347 (100.0)	999 (100.0)	646 (100.0)	370 (100.0)	1016 (100.0)	623 (100.0)	333 (100.0)	956 (100.0)	634 (100.0)	395 (100.0)	1029 (100.0)	595 (100.0)	345 (100.0)	940 (100.0)	662 (100.0)	367 (100.0)	1029 (100.0)

* The age group was 30-44 and 45+ for the year 1999 to 2001 and as such not strictly comparable for the later years

Note: Figures within brackets indicate percentage to total

Proportion (%) of HIV cases by sex in different age groups, 2000 to 2007

Age group	2000			2001			2002			2003			2004			2005			2006			2007		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
0-14	51.5	48.5	100.0	66.7	33.3	100.0	76.2	23.8	100.0	58.7	41.3	100.0	60.3	39.7	100.0	56.1	43.9	100.0	57.1	42.9	100.0	61.0	39.0	100.0
15-29	55.6	44.4	100.0	53.8	46.2	100.0	49.3	50.7	100.0	44.2	55.8	100.0	51.2	48.8	100.0	47.4	52.6	100.0	44.0	56.0	100.0	50.0	50.0	100.0
30-49*	75.4	24.6	100.0	75.0	25.0	100.0	73.8	26.2	100.0	72.5	27.5	100.0	71.0	29.0	100.0	75.0	25.0	100.0	69.0	31.0	100.0	68.4	31.6	100.0
49+*	88.3	21.7	100.0	73.9	26.1	100.0	70.9	29.1	100.0	81.1	18.9	100.0	71.8	28.2	100.0	67.5	22.5	100.0	76.5	23.5	100.0	74.8	25.2	100.0
Not specified	87.5	22.5	100.0	57.1	42.9	100.0	100.0	0.0	100.0	88.9	11.1	100.0	76.9	23.1	100.0	-	-	-	-	-	-	-	-	-
Total	69.3	30.7	100.0	67.2	32.8	100.0	65.3	34.7	100.0	63.6	36.4	100.0	65.2	34.8	100.0	61.6	38.4	100.0	63.3	36.7	100.0	64.3	35.7	100.0

* The age group was 30-44 and 45+ for the year 1999 to 2001 and as such not strictly comparable for the later years

Route of transmission of sero-positive cases detected in Goa, 2001 to 2020 (Oct)

Route of transmission	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Sexual	666 (83.2)	903 (90.4)	968 (95.3)	894 (93.5)	952 (92.5)	868 (92.3)	966 (93.9)	882 (92.4)	856 (95.1)	711 (92.5)	587 93.2)	498 (93.6)	478 (94.7)	416 (92.7)	311 (94.5)	333 (92.5)	332 (90.7)	242 (90.0)	257 (91.4)	153 (96.8)
Infected syringes and needles	-	6 (0.6)	-	4 (0.4)	7 (0.7)	5 (0.5)	-	-	3 (0.3)	5 (0.7)	1 (0.2)	0 (0.0)	2 (0.3)	1 (0.2)	2 (0.6)	0	4 (1.1)	2 (0.7)	1 (0.4)	1 (0.6)
Blood & blood Products	-	3 (0.3)	-	3 (0.3)	5 (0.5)	1 (0.1)	2 (0.2)	-	2 (0.2)	3 (0.3)	0 (0)	0 (0.0)	0 (0.0)	1 (0.2)	1 (0.3)	1 (0.3)	1 (0.2)	1 (0.4)	3 (1.1)	0
Parent to child	45 (5.6)	41 (4.1)	47 (4.6)	55 (5.8)	65 (6.3)	54 (5.8)	58 (5.6)	72 (7.6)	37 (4.1)	44 (5.7)	39 (6.2)	30 (5.6)	19 (3.8)	26 (5.8)	14 (4.3)	15 (4.7)	12 (3.3)	17 (6.3)	7 (2.5)	0
Others / not specified	90 (11.2)	46 (4.6)	1 (0.1)	-	-	12 (1.3)	3 (0.3)	-	3 (0.3)	6 (0.8)	3 (0.4)	4 (0.8)	6 (1.2)	5 (1.1)	1 (0.3)	11 (3.2)	17 (4.7)	7 (2.6)	13 (4.6)	4 (2.5)
Total	801 (100.0)	999 (100.0)	1016 (100.0)	956 (100.0)	1029 (100.0)	940 (100.0)	1029 (100.0)	954 (100.0)	901 (100.0)	769 (100.0)	630 (100.0)	532 (100.0)	505 (100.0)	449 (100.0)	329 (100.0)	360 (100.0)	366 (100.0)	269 (100.0)	281 (100.0)	158 (100.0)

**Proportion of females infected to total HIV+ cases detected in Goa,
1987 to 2020 (Oct)**

Year	Proportion of females to total HIV cases detected (%)
1987	0.0
1988	16.7
1989	27.8
1990	33.3
1991	46.7
1992	63.2
1993	56.1
1994	29.2
1995	12.3
1996	10.1
1997	11.2
1998	12.1
1999	34.4
2000	30.7
2001	32.8
2002	34.7
2003	38.7
2004	37.9
2005	40.7
2006	41.4
2007	39.5
2008	42.8
2009	40.7
2010	39.0
2011	43.3
2012	38.9
2013	42.1
2014	45.4
2015	45.5
2016	44.7
2017	43.3
2018	42.4
2019	43.3
2020	39.6

Sentinel Surveillance for HIV infection in Goa

Year	No. of sentinel sites	HIV prevalence (%)
2019	ANC-3	0.08
2017	ANC-3	0.08
	MSM-2 FSW-2	0.60 0.80
2015	ANC-3	0.08
2012	ANC-3	0.25
2010	ANC-3	0.33
	MSM-1	4.53
	FSW-1	2.70
2008	STD-2	4.80
	ANC-3	0.68
	MSM-1	6.40
	FSW-1	6.40
2007	STD-2	5.60
	ANC-2	0.18
	MSM-1	7.93
2006	STD-2	8.60
	ANC-2	0.50
	MSM-1	4.80
2005	STD-2	14.01
	ANC-2	0.00
	MSM-1	4.90
2004	STD-2	16.02
	ANC-2	1.13
	MSM-1	1.68
2003	SW-1	30.14
	STD-2	14.7
	ANC-4	0.34
	MSM-1	9.1
2002	SW-1	24.00
	STD-2	13.15
	ANC-2	1.38
2001	SW -1	50.79
	STD -2	14.23
	ANC -2	0.50
2000	SW -1	53.20
	STD -2	12.02
	ANC -2	1.17
1999	STD -2	13.47
	ANC -2	0.75
1998	STD -2	19.61
	ANC -2	1.25
1997	STD -1	15.79
	ANC -2	0.67
	TB - 1	10.17
1996	STD -1	20.27
	ANC -1	0.68
1995	STD -1	21.65
1994	STD -1	12.64
1993	ANC -1	0.00

Data on PPTCT programme in Goa, April 2003 to 2020 (Oct)

No. of PPTCT Centres: 14

Item	2003 (w.e.f. April)	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1.1 Total number of new ANC registered	2,903	3,755	3,208	8,139	12,758	12,705	12,981	13,743	17,328	16,242	17,381	17,246	16,987	17,201	16,144	16,150	17143	11620	233,634
1.2 Total number of women counseled	2,707	3,714	3,073	7,387	10,489	11,117	12,355	11,847	14,625	14,054	14,558	13,344	12,995	12,968	13,969	13,172	14213	9870	196,457
1.3 %age of women counseled among new ANC registered	93.2	98.9	95.8	90.8	82.2	87.5	95.1	86.2	84.4	86.5	83.8	77.4	76.5	75.4	86.7	81.6	82.9	85.0	84.1
1.4 Total number of women who accepted HIV test	2,567	3,717	3,068	7,357	10,432	11,053	12,253	11,802	14,490	14,053	14,555	13,344	12,989	12,968	13,969	13,168	14213	9868	195,866
1.5 Proportion of women accepting HIV test among those counseled	94.8	100.1	99.8	99.6	99.5	99.4	99.1	99.6	99.0	99.9	99.9	100.0	99.9	100.0	100.0	99.9	100.0	99.9	99.6
1.6 Total number of women found HIV positive	38	47	41	75	65	65	58	52	35	22	27	26	16	18	24	11	12	6	638
1.7 HIV prevalence rate (%)	1.48	1.26	1.34	1.02	0.62	0.59	0.47	0.44	0.24	0.16	0.18	0.19	0.12	0.14	0.17	0.08	0.08	0.06	0.32
1.8 Total number of women who received post test counseling	2,411	3,373	2,631	6,049	8,602	9,938	11,599	11,202	13,710	13,213	14,061	12,967	12,571	11,478	13,045	12,605	13019	8848	181,322
1.9 %age of women who received post test counselling among those tested	93.9	90.7	85.8	82.2	82.5	89.9	94.7	94.9	94.6	94.0	96.6	97.2	96.8	88.5	93.4	95.7	91.6	89.7	92.6
1.12 Total number of HIV positive women who collected HIV results	37	44	33	60	50	50	39	32	27	14	18	21	11	16	21	11	10	4	498
1.13 Percentage of HIV+ve women who collected the result	97.4	93.6	80.5	80.0	76.9	76.9	67.2	61.5	77.1	63.6	66.7	80.1	68.7	88.8	87.5	100.0	83.3	66.6	78.1

2.1 Number of spouses/ partners of HIV positive women counseled	31	44	25	50	46	30	19	13	10	10	10	10	2	9	19	7	9	3	347
2.2 %age of partners of +ve women counseled among those collected the report	83.8	100.0	75.8	83.3	92.0	60.0	48.7	40.6	37.0	71.4	55.6	47.6	18.2	56.2	90.4	63.6	90.0	75.0	69.7
2.3 %age of partners of +ve women counseled to all +ve women	81.6	93.6	61.0	66.7	70.8	46.2	32.8	25.0	28.6	45.5	37.0	38.5	12.5	50.0	79.1	63.6	75.0	50.0	54.4
2.4 Number of spouses/ partners of HIV positive women accepted HIV test	29	44	25	50	46	30	19	13	10	10	10	10	2	9	19	7	9	3	345
2.5 %age of partners of +ve women counseled accepting the test	93.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4
2.6 Number of spouses/ partners detected HIV positive	19	35	21	44	46	30	19	13	10	10	10	10	2	6	8	3	5	2	293
2.7 HIV prevalence rate (%) of partners	65.5	79.5	84.0	88.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	66.7	42.1	42.8	55.5	66.6	84.9
3.1 Number of Women directly in labour without ANC registration	147	1,257	1,857	2,526	2,822	2,657	2,792	601	1,207	826	542	327	325	202	112	21	0	0	18,221
3.2 Number of women counseled who arrived in labour without ANC	122	1,201	1,772	2,239	2,423	2,285	2,473	601	1,207	826	542	327	325	202	112	21	0	0	16,678
3.3 %age of women counseled who arrived in labour without ANC	83.0	95.5	95.4	88.6	85.9	86.0	88.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	91.5
3.4 Number of women accepted HIV test (out of 3.2)	122	1,201	1,772	2,239	2,423	2,285	2,473	601	1,207	826	542	327	325	202	112	21	0	0	16,678

3.5 %age pf women (without ANC) accepting the test among those counseled	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	100.0
3.6 Number of women detected HIV positive (out of 3.4)	3	11	11	8	12	1	3	0	0	0	0	0	0	0	0	0	0	0	0	49
3.7 HIV prevalence rate (%)	2.46	0.92	0.62	0.36	0.49	0.04	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0.31
4.1 Total number of live births to positive women (out of 1.6and 3.6)	24	43	25	51	62	46	58	27	17	22	29	22	15	15	14	16	13	9	508	
4.2 Total number of mother-baby pair received NVP	18	40	21	46	65	53	64	27	17	22	29	9	15	15	14	16	13	9	493	
4.3Number of mother-baby pairs received NVP who were registered for ANC (out of 1.6)	16	29	10	40	47	44	56	27	17	22	29	9	0	0	0	0	0	0	346	
4.4 Number of mother-baby pairs received NVP who come directly in labour without ANC (out of 3.6)	2	11	11	6	11	1	2	0	0	0	0	0	0	0	0	0	0	0	44	
4.5 Proportion of mother-baby pairs receiving NVP among live births to +ve women	75.0	93.0	84.0	90.2	104.8	115.2	110.3	100.0	100.0	100.0	100.0	100.0	0	0	0	0	0	0	97.0	
Number of babies received NVP (out of 4.1)	20	41	19	40	49	41	56	27	17	22	29	19	15	15	14	16	13	7	460	

Year-wise cases of CD4/ CD8 Count, 2001 to 2020(Oct)

Activity	2001 (From March)	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1. No. of New cases	100	98	91	112	587	717	708	818	696	627	495	426	405	401	275	250	219	197	205	106	7533
2. No. of Old cases for repeat of counts	8	34	30	35	187	650	999	1468	1980	2754	3199	3343	4182	4365	4688	4126	5058	5325	5437	1323	49191
3. No. of cases performed within 6 months of previous estimation.	7	4	2	1	28	22	20	63	45	21	6	4	0	0	0	0	0	0	0	0	223
4. No. of tests performed free of charge	-	1	-	5	660	1358	1537	2276	2414	3307	3689	3768	4579	4082	4889	4368	5246	5519	5629	1427	54753
5. No. of tests performed on payment	108	131	121	142	54	9	168	12	8	6	8	4	11	8	6	8	11	3	2	2	822

Number of patients screened/treated at ART Centre (April 2005 to Oct 2020)

S. No:		
1.	Number of patients screened for ARV eligibility	
	1.1 Adult males	4001
	1.2 Adult Females	2911
	1.3.TG	15
	1.4 Children (<14 years)	347
	1.5 Total	7274
2.	Number of patients enrolled for ARV treatment	
	2.1 Males	2643
	2.2 Females	2082
	2.3 Children (<14 years)	236
	2.4 TG	5
	2.5 Total	4966
3.	Number of patients who discontinued	
	3.1 Died	1325
	3.3 Stopped treatment	24
	3.4 Lost to follow-up	355
	3.5 MIS during the month	102
	3.6 Opted Out	88
	3.7 Total	1811
4.	Total number of patients alive and on ART	2979

Details of Sexually Transmitted Diseases detected in Government STD Clinics from 2001 to 2007

S. No	Type of Diseases	2001			2002			2003			2004			2005			2006			2007		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1.1	Syphilis (early Primary)	35	60	95	53	56	109	35	68	103	13	8	21	7	3	10	10	3	13	8	4	12
1.2	Chancroid	71	24	95	61	20	81	67	28	95	51	10	61	20	4	24	11	6	17	15	4	19
1.3	Herpes genitalis	50	29	79	19	15	34	23	15	38	25	13	38	24	13	37	23	5	28	33	13	46
1.4	Donovanosis	4	1	5							2	1	3	-	-	-	-	-	-	-	-	-
1.5	Other unclassified genital ulcers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	5	28	14	8	22
	Sub. Total	160	114	274	133	91	224	125	111	236	91	32	123	51	20	71	67	19	86	70	29	99
2.	Inguinal swelling (Bubo) – LGV	15	14	29	17	7	24	23	7	30	26	6	32	9	5	14	8	2	10	13	3	16
3. Urethral discharge																						
3.1	Gonorrhoea	59		59	72		72	43		43	24		24	4	2	6	4		4	7		7
3.2	Nongonococcal Urethritis	113		113	111		111	94		94	107		107	46	8	54	80		80	27		27
	Sub. Total	172		172	183		183	137		137	131		131	50	10	60	84		84	34		34
4. Vaginal discharge																						
4.1	Vaginitis		159	159		97	97		84	84		48	48		63	63		27	27		19	19
4.2	Bacterial vaginosis		0	0		7	7		2	2		1	1		1	1					5	5
4.3	Trichomoniasis		64	64		31	31		12	12		7	7		4	4		7	7		14	14
4.4	Candidiasis		274	274		294	294		223	223		197	197		175	175	5	391	396		178	178
4.5	Cervicitis		99	99		76	76		63	63		45	45		14	14		25	25		17	17
4.6	Gonococcal		31	31		4	4								-	-		2	2		-	-
4.7	Chlamydial		40	40		6	6					1	1		1	1		-	-		-	-
4.8	Other unclassified vaginal discharge																	40	40		17	17
	Sub. Total		667	667		515	515		384	384		299	299		258	258	5	492	497		250	250
5.	Balanoposthitis	44		44																		
6.	Genital warts	50	47	97	49	19	68	31	17	48	17	5	22	11	1	12	14	2	16	13	5	18
7.	Other types of syphilis	22	51	73	33	41	74	32	37	69	14	19	33	6	2	8	-	1	1	-	-	-
	1. Secondary	5	4	9	1	1	2				2	0	2		4	4	1	0	1	-	-	-
	2. Late	0	0	0	1	1	2													-	-	-
	3. Cong.							1	1													
8.	Scrotal swelling (epididymoorchitis)/ Gonococcal and Chlamydial	13	0	13	33		33	24	0	24	39	0	39	32	-	32	29	-	29	10	-	10
9.	Others	424	350	774	652	243	895	631	539	1170	562	311	873	121	63	184	132	65	197	139	63	202
10.	Total	905	1251	2156	1102	918	2020	1019	1080	2099	858	692	1550	280	363	643	340	581	921	279	350	629

Details of Sexually Transmitted Diseases detected in Government STD Clinics in Goa, 2008 to 2014

Type of Diseases	2008				2009				2010				2011				2012				2013				2014			
	M	F	O	T	M	F	O	T	M	F	O	T	M	F	O	T	M	F	O	T	M	F	O	T	M	F	O	T
1.Vaginal/ Cervical Discharge(VCD)		267	0	257		303	0	303		518	0	518		865	0	865	0	1064	0	1064		982	0	982		850	0	850
2.Genital Ulcer (GUD)-non herpetic	54	19	0	73	24	17	0	41	31	17	0	48	18	17	0	35	15	3	0	18	14	4	0	18	65	11	0	76
3.Genital ulcer(GUD) – herpetic	23	24	0	47	22	10	0	32	27	11	0	38	38	17	0	55	43	27	0	70	40	15	0	55	41	25	0	66
4.Lower abdominal pain(LAP)		44	0	44		66	0	66		87	0	87		170	0	170		154	0	154		188	0	188		191	0	191
5.Urethral discharge(UD)	243			243	80			80	79			79	95			95	123			123	141			141	79			79
6.Ano-rectal discharge (ARD)	12	0	1	13	1	0	0	1	3	0	0	3	1	0	0	1	0	0	0	0	1	1	0	2	4	0	0	4
7.Inguinal Bubo(IB)	20	0	0	20	7	2	0	9	2	1	0	3	13	3	0	16	20	3	0	23	8	1	0	9	8	1	0	9
8.Painful scrotal swelling (SS)	21		0	21	15		0	15	21		0	21	37		0	37	28		0	28	37		0	37	38		0	38
9.Genital warts	13	8	1	22	15	14	0	29	12	9	0	21	9	7	0	16	7	13	0	20	14	2	0	16	12	5	0	17
10.Other STIs	163	56	2	221	184	88	0	272	201	103	0	304	135	98	0	233	250	57	0	307	421	84	0	505	370	83	0	453
11. Asymptomatic STI treatment	46	31	0	77	114	92	0	206	338	116	0	454	160	60	0	220	24	14	0	38	74	47	0	121	56	72	0	128
12 No of people living with HIV/AIDS (PLHAs) attended with STI/RTI during the month	13	11	0	24	13	18	0	31	12	14	0	26	5	9	0	14	6	15	0	21	6	11	0	16	4	8	0	12
Total No of cases	608	460	4	1072	475	610	0	1085	726	876	0	1602	511	1246	0	1757	516	1350	0	1866	756	1335	0	2091	677	1246	0	1923

Details of Sexually Transmitted Diseases detected in Government STD Clinics in Goa, 2015 -2019

Type of Diseases	2015				2016				2017				2018				2019			
	M	F	O	T	M	F	O	T	M	F	O	T	M	F	O	T	M	F	O	T
1.Vaginal/ Cervical Discharge(VCD)		724	0	724		623	0	623		574	0	574		488	0	488		441	0	441
2.Genital Ulcer (GUD)-non herpetic	23	11	0	34	14	6	0	20	13	8	0	21	21	4	0	25	30	11	0	41
3.Genital ulcer(GUD) – herpetic	41	24	0	65	20	12	0	32	22	17	0	39	30	4	0	34	49	31	0	80
4.Lower abdominal pain(LAP)		165	0	165		218	0	218		142	0	142		187	0	187		217	0	217
5.Urethral discharge(UD)	98			98	88			88	64			64	56			56	57	0	0	57
6.Ano-rectal discharge (ARD)	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
7.Inguinal Bubo(IB)	6	2	0	8	4	6	0	10	3	1	0	4	0	0	0	0	4	0	0	4
8.Painful scrotal swelling (SS)	34		0	34	6		0	6	7		0	7	15		0	15	7	0	0	7
9.Genital warts	21	8	0	29	16	3	1	20	15	8	0	23	13	3	0	16	10	3	0	13
10.Other STIs	270	136	0	406	236	138	1	375	199	163	1	363	291	134	2	427	217	73	0	290
11. Asymptomatic STI treatment	6	18	0	24	19	8	0	27	14	4	0	18	5	2	0	7	4	1	0	5
12 No of people living with HIV/AIDS (PLHAs) attended with STI/RTI during the month	1	8	0	9	7	4	1	12	13	7	0	20	18	20	1	39	23	14	0	37
Total No of cases	501	1096	0	1597	410	1018	3	1431	350	924	1	1275	469	842	3	1314	405	791	0	1196

Details of Sexually Transmitted Diseases detected in Government STD Clinics in Goa, 2020 (Oct)

Type of Diseases	2020			
	M	F	O	T
1.Vaginal/ Cervical Discharge(VCD)		304	0	304
2.Genital Ulcer (GUD)-non herpetic	23	2	0	25
3.Genital ulcer(GUD) – herpetic	16	13	0	29
4.Lower abdominal pain(LAP)		94	0	94
5.Urethral discharge(UD)	22			22
6.Ano-rectal discharge (ARD)	0	0	0	0
7.Inguinal Bubo(IB)	3	0	0	3
8.Painful scrotal swelling (SS)	4		0	4
9.Genital warts	2	1	0	3
10.Other STIs	194	1018	0	1212
11. Asymptomatic STI treatment	2	3	0	5
12 No of people living with HIV/AIDS (PLHAs) attended with STI/RTI during the month	7	5	0	12
Total No of cases	273	1440	0	1713

Number of blood units screened for HIV in State Government Blood Banks 2000 to 2020 (Oct)

Year	No. of blood units collected			HIV reactive			%age reactive		
	Voluntary	Replacement	Total	Voluntary	Replacement	Total	Voluntary	Replacement	Total
2000	2,292 (28.7)	5,699 (71.3)	7,991 (100.0)	22	93	115	0.96	1.63	1.44
2001	2,720 (30.9)	6,088 (69.1)	8,808 (100.0)	35	82	117	1.29	1.35	1.33
2002	3,120 (33.3)	6,254 (66.7)	9,374 (100.0)	47	120	167	1.51	1.92	1.78
2003	4,453 (45.3)	5,373 (54.7)	9,826 (100.0)	25	77	102	0.56	1.43	1.04
2004	6,105 (55.8)	4,837 (44.2)	10,942 (100.0)	52	55	107	0.85	1.14	0.98
2005	6,231 (53.4)	5,440 (46.6)	11,671 (100.0)	27	58	85	0.43	1.07	0.73
2006	6,777 (58.6)	4,781 (41.4)	11,558 (100.0)	8	23	31	0.11	0.48	0.26
2007	7,764 (62.6)	4,632 (37.4)	12,396 (100.0)	26	21	47	0.34	0.45	0.38
2008	8,512 (61.4)	5,350 (38.2)	13,862 (100.0)	24	35	59	0.28	0.65	0.42
2009	9,910 (65.8)	4,266 (34.2)	14,176 (100.0)	19	15	34	0.19	0.35	0.23
2010	12,053 (76.5)	3,706 (23.5)	15,759 (100.0)	29	16	45	0.24	0.43	0.29
2011	11,612 (76.5)	3,571 (23.5)	15,183 (100.0)	23	7	30	0.20	0.20	0.20
2012	12,937 (85.8)	2,141 (14.2)	15,078 (100.0)	13	3	16	0.10	0.14	0.11
2013	13,885 (84.3)	2,578 (15.7)	16,463 (100.0)	12	1	13	0.08	0.04	0.08
2014	15,745 (82.7)	3,274 (17.3)	19,019 (100.0)	18	4	22	0.11	0.12	0.11
2015	15,265 (78.3)	4,166 (21.7)	19,431 (100.0)	17	2	19	0.09	0.04	0.09
2016	15,297 (79.7)	3,906 (20.3)	19,203 (100.0)	16	2	18	0.12	0.06	0.10
2017	15,419 (79.1)	4,063 (20.9)	19,482 (100.0)	26	2	29	0.17	0.04	0.15
2018	17,196 (78.7)	4,653 (21.3)	21,849 (100.0)	20	7	27	0.12	0.15	0.12
2019	16,483 (76.0)	5,197 (24.0)	21,680 (100.0)	23	5	28	0.14	0.09	0.13
2020	9,597 (63.3)	5,543 (36.7)	15,140 (100.0)	9	7	16	0.09	0.13	0.10

*Covers three Blood banks under Goa Government only.

Number of blood units screened for other transfusion related diseases in State Government Blood Banks 2000 to 2020 (Oct)

Year	No. Tested	Reactive				%age reactive			
		Hep. B	Hep. C	VDRL	Malaria	Hep. B	Hep. C	VDRL	Malaria
2000	7,490	99	N.A.	14	0	1.32	N.A.	0.19	0.00
2001	8,726	142	N.A.	33	0	1.63	N.A.	0.38	0.00
2002	9,429	109	20	13	0	1.16	0.21	0.14	0.00
2003	9,826	101	125	10	1	1.03	1.27	0.10	0.01
2004	10,942	102	92	14	0	0.93	0.84	0.13	0.00
2005	11,671	92	57	22	0	0.79	0.49	0.19	0.00
2006	11,558	78	54	21	0	0.67	0.46	0.18	0.00
2007	12,396	84	56	19	0	0.68	0.45	0.15	0.00
2008	13,862	106	60	18	0	0.76	0.43	0.13	0.00
2009	14,176	108	27	11	0	0.76	0.19	0.08	0.00
2010	15,759	114	31	17	0	0.72	0.20	0.10	0.00
2011	15,183	106	26	5	0	0.70	0.17	0.03	0.00
2012	15,078	70	13	15	0	0.46	0.09	0.10	0.00
2013	16,463	91	15	4	0	0.55	0.09	0.02	0.00
2014	19,019	112	33	10	0	0.58	0.17	0.05	0
2015	19,431	82	25	1	1	0.42	0.12	0.005	0.005
2016	19,337	69	27	0	0	0.35	0.13	0.0	0.0
2017	19,482	80	28	2	0	0.41	0.14	0.001	0.0
2018	21,849	111	71	71	1	0.50	0.32	0.32	0.004
2019	21,680	73	63	70	0	0.33	0.29	0.32	0.0
2020	15140	56	53	58	0	0.37	0.35	0.38	0.0

*Covers three Blood banks under Goa Government only

Age group/ sex-wise direct walk-in persons undergoing testing, 1999-2007

Age group	1999			2000			2001			2002			2003			2004			2005			2006			2007		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
0-14	2	7	9	2	1	3	1	5	6	15	22	37	20	31	51	49	37	86	84	75	159	99	118	217	129	94	223
15-29	70	37	107	51	29	80	123	84	207	1095	2258	3353	252	1599	1851	283	1983	2267	320	2245	2565	443	674	1117	692	432	1124
30-44*	76	29	105	43	16	59	134	81	215	940	1200	2140	254	681	935	286	796	1082	455	942	1397	487	389	876	626	383	1009
45+*	25	15	40	32	19	51	43	25	68	161	127	288	34	60	94	56	95	151	74	116	190	49	37	86	89	55	144
Not specified	2	1	3	2	0	2	5	5	10	14	25	39	10	7	17	3	1	4	1	0	1	0	0	0	0	0	0
Total	175	89	264	130	65	195	306	200	506	2225	3632	5857	570	2378	2948	677	2912	3590	934	3378	4312	1078	1218	2296	1536	964	2500

* The age group was 30-44 and 45+ for the year 1999 to 2001 and as such not strictly comparable for the later years

Proportion of direct walk-in to total persons tested at ICTCs, 1999-2020(Oct)

Year	No. of persons tested for HIV	No. of direct walk-in persons tested	Proportion of direct walk-in to total persons tested (%)	Total persons tested positive		Direct walk-in persons tested positive	
				Number	%	Number	%
1999	7,804	264	3.4	750	9.6	78	10.6
2000	7,813	195	2.5	807	10.3	19	9.7
2001	7,216	506	7.0	801	11.1	83	16.4
2002	13,848	5,857	42.3	999	7.2	230	3.9
2003	11,682	2,948	25.2	1,016	8.7	179	6.1
2004	10,221	3,590	35.1	956	8.5	179	5.0
2005	11,814	4,312	36.4	1,029	8.7	372	8.6
2006	11,023	2,296	20.8	940	8.5	332	14.5
2007	12,485	2,500	20.0	1,029	8.3	391	15.6
2008	15,684	3,260	20.8	953	6.1	365	11.2
2009	21,220	6,362	30.0	901	4.2	401	6.3
2010	21,627	6,455	29.9	769	3.6	328	5.1
2011	25,532	11,917	46.7	630	2.5	282	2.4
2012	30,500	16,755	54.9	532	1.8	228	1.4
2013	38,482*	19,364	50.3	505	1.3	242	1.2
2014	41,685*	13,283	31.8	449	1.1	183	1.4
2015	42,160*	13,964	33.1	329	0.8	111	0.8
2016	43,286*	7,691	18.0	360	0.83	142	1.8
2017	45,789*	6,449	14.0	366	0.80	139	2.2
2018	50,090*	4,316	8.6	269	0.54	94	2.2
2019	45,590*	3,307	7.3	281	0.62	95	2.9
2020	18,144*	2221	12.2	158	0.87	48	2.2

Number of persons counseled at ICTCs, 2002 to 2019

	2002			2003			2004			2005			2006			2007			2008		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1. Number of persons counseled																					
1.1 Pre-test	6111	5793	11904	6519	5115	11634	5509	5215	10724	5967	5803	11770	5837	5142	10979	7775	4782	12557	9727	6200	15929*
1.2 Post-test	619	843	1462	633	1764	2397	759	2419	3378	844	2762	3606	4892	4155	9047	6934	3996	10930	9556	6049	15607*
1.3 Follow-up	99	71	170	76	65	141	136	114	250	61	67	128	59	44	103	58	46	104	163	158	322
2. Proportion of persons Counseled (%)																					
2.1 Pretest	82.2	90.3	86.0	99.7	99.4	99.6	92.2	99.4	95.6	99.7	99.4	99.6	99.6	99.6	99.6	99.6	99.8	100.0	100.0	100.0	100.0
2.2 Post-test	8.3	13.1	10.6	9.7	34.3	20.5	12.7	46.1	30.1	14.1	47.3	30.5	83.5	80.5	82.1	88.8	85.4	87.5	95.0	97.0	95.5
2.3 Follow-up	15.2	20.5	17.0	11.8	17.6	13.9	21.8	34.2	26.2	1.0	1.1	1.0	1.0	0.9	0.9	0.7	0.9	0.8	0.7	1.6	1.0

	2009			2010			2011				2012				2013				2014			
	Male	Female	Total	Male	Female	Total	Male	Female	TS/TG	Total	Male	Female	TS/TG	Total	Male	Female	TS/TG	Total	Male	Female	TS/TG	Total
1. Number of persons counseled																						
1.1 Pre-test	15007	6235	21245*	15038	6591	21639*	16124	9422	7	25553	19124	11374	7	30505	23467	15019	0	38486	25576	16107	2	41685
1.2 Posttest	13286	5501	18790*	14531	6356	20897*	15557	9049	7	24613	18840	11093	6	29939	23122	14708	0	37830	25161	15738	2	40901
1.3 Follow-up	149	119	268	254	218	472	278	236	0	514	379	243	5	627	394	315	0	709	349	316	1	666
2. Proportion of persons Counseled (%)																						
2.1 Pre-test	99.9	99.9	99.9	99.9	99.9	100.0	99.8	99.9	100.0	99.8	99.9	99.9	100.0	99.9	100.0	99.9	0	99.9	100.0	100.0	100.0	100.0
2.2 Post test	88.6	88.3	88.5	96.6	96.5	96.6	96.6	96.1	100.0	96.2	98.5	97.5	100.0	98.1	98.5	98.0	0	98.3	98.4	97.7	100.0	98.0
2.3 Follow-up	1.0	1.9	1.3	1.7	3.3	2.2	1.7	2.5	0	1.9	2.0	2.1	71.4	2.1	1.7	2.1	0	1.8	1.4	1.9	50.0	1.6

	2015				2016				2017				2018				2019			
	Male	Female	TS/TG	Total	Male	Female	TS/TG	Total	Male	Female	TS/TG	Total	Male	Female	TS/TG	Total	Male	Female	TS/TG	Total
1. Number of persons counseled																				
1.1 Pre-test	25056	17098	6	42160	24480	18837	10	43327	25647	20274	3	45924	28,300	21,782	10	50,092	24114	21547	11	45672
1.2 Post-test	24826	16900	5	41731	23840	18425	10	42275	25403	20073	2	45478	28,152	21,617	9	49,778	23398	20917	10	44325
1.3 Follow-up	318	257	0	575	564	659	1	1224	2471	2185	0	4656	1251	1246	1	2498	462	274	0	736
2. Proportion of persons Counseled (%)																				
2.1 Pre-test	100.0	100.0	100.0	100.0	99.8	99.9	100.0	99.9	99.4	100.0	100.0	99.7	99.9	100.0	100.0	99.9	99.6	99.9	100.0	99.8
2.2 Post-test	99.0	98.8	83.3	99.0	97.5	97.8	100.0	97.6	99.5	99.0	50.0	99.3	99.4	99.2	90	99.3	97.3	97.1	90.9	97.2
2.3 Follow-up	1.2	1.5	0	1.3	2.3	2.9	10.0	2.8	9.6	10.8	0.0	10.1	4.0	4.4	10.0	4.9	1.9	1.3	0	1.6

*includes 2 TS/TG in 2008, 3 in 2009 & 10 in 2010

Number of persons counseled at ICTCs, 2020 (Oct)

	2020			
	Male	Female	TS/TG	Total
1. Number of persons counseled				
1.1 Pre-test	10559	7583	2	18144
1.2 Post-test	9936	7206	2	17144
1.3 Follow-up	42	26	0	68
2. Proportion of persons Counseled (%)				
2.1 Pre-test	100.0	100.0	100.0	100.0
2.2 Post-test	94.1	95.0	100.0	94.4
2.3 Follow-up	0.40	0.34	0	0.37

Sex-wise particulars of number of persons tested at ICTCs, 2002 to 2018

S. No.	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1. Total number of persons tested																	
1.1 Male	7,434	6,538	5,974	5,980	5,860	7,806	11,215	14,988	15,031	16,107	19,121	23,467	25,576	25,056	24,438	25,512	28,298
1.2 Female	6,414	5,144	5,245	5,834	5,163	4,679	4,467	6,229	6,586	9,418	11,372	15,015	16,107	17,098	18,838	20,274	21,782
1.3 TS/TG	0	0	0	0	0	0	2	3	10	7	7	0	2	6	10	3	10
1.4 Total	13,848	11,682	11,221	11,814	11,023	12,485	15,684	21,220	21,627	25,532	30,500	38,482	41,685	42,160	43,286	45,789	50,090
2. Number tested positive																	
2.1 Male	652	646	623	634	595	662	582	534	499	375	336	308	258	188	204	221	161
2.2 Female	347	370	333	395	345	367	371	367	269	253	194	197	190	141	151	145	108
2.3 TS/TG	0	0	0	0	0	0	1	0	1	2	2	0	1	0	5	0	0
2.4 Total	999	1,016	956	1,029	940	1,029	954	901	769	630	532	505	449	329	360	366	269
3. Proportion tested positive																	
3.1 Male	8.8	9.9	10.4	10.6	10.15	8.5	5.2	3.6	3.3	2.3	1.8	1.3	1.0	0.8	0.8	0.9	0.6
3.2 Female	5.4	7.2	6.3	6.7	6.7	7.8	8.3	5.9	4.1	2.7	1.7	1.3	1.2	0.8	0.8	0.7	0.5
3.3 TS/TG	0	0	0	0	0	0	0	0	10.0	28.5	28.5	0	50.0	0.0	50.0	0	0
3.4 Total	7.2	8.7	8.5	8.7	8.5	8.3	6.1	4.2	3.6	2.5	1.8	1.3	1.1	0.8	0.8	0.8	0.5
4. Total number of walk-in clients tested																	
4.1 Male	2,225	570	677	934	1,078	1,536	2,231	4,616	4,321	7,581	10,630	12,060	7,323	6,694	4,241	3,586	2613
4.2 Female	3,632	2,378	2,912	3,378	1,218	964	1,032	1,746	2,125	4,330	6,119	7,304	5,958	7,268	3,446	2,861	1701
4.3 TS/TG	0	0	0	0	0	0	0	0	9	7	6	0	2	2	4	2	3
4.4 Total	5,857	2,948	3,590	4,312	2,296	2,500	3,263	6,362	6,455	11,912	16,755	19,364	13,283	13,964	7,691	6,449	4317
5. Number tested positive among walk-in clients																	
5.1 Male	132	107	92	192	191	228	186	209	181	162	131	156	98	58	80	76	72
5.2 Female	98	78	87	180	141	163	179	192	146	120	96	86	84	53	61	63	43
5.3 TS/TG	0	0	0	0	0	0	0	0	1	2	1	0	1	0	1	0	0
5.4 Total	230	265	179	372	332	391	365	401	328	284	228	242	183	111	142	139	115
6. Proportion tested positive among walk-in clients																	
6.1 Male	5.9	18.8	13.6	20.5	17.7	14.8	8.3	4.5	4.2	2.1	1.2	1.3	1.3	0.8	1.8	2.1	2.7
6.2 Female	2.7	3.3	3.0	5.3	11.5	16.9	17.3	11.0	6.9	2.8	1.6	1.1	1.4	0.7	1.7	2.2	2.5
6.3 TS/TG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	28.5	16.7	0	50.0	0	25.0	0	0
6.4 Total	3.9	9.0	5.0	8.6	14.4	15.6	11.2	6.3	5.1	2.4	1.4	1.2	1.4	0.8	1.8	2.2	2.7

Sex-wise particulars of number of persons tested at ICTCs, 2020 (Oct)

S. No.	2019	2020
1. Total number of persons tested		
1.1 Male	24040	10559
1.2 Female	21539	7583
1.3 TS/TG	11	2
1.4 Total	45590	18144
2. Number tested positive		
2.1 Male	165	99
2.2 Female	115	59
2.3 TS/TG	1	0
2.4 Total	281	158
3. Proportion tested positive		
3.1 Male	0.7	0.9
3.2 Female	0.5	0.7
3.3 TS/TG	9.0	0
3.4 Total	0.6	0.8
4. Total number of walk-in clients tested		
4.1 Male	2254	1751
4.2 Female	1052	470
4.3 TS/TG	1	0
4.4 Total	3307	2221
5. Number tested positive among walk-in clients		
5.1 Male	54	29
5.2 Female	41	19
5.3 TS/TG	0	0
5.4 Total	95	48
6. Proportion tested positive among walk-in clients		
6.1 Male	2.4	1.6
6.2 Female	3.9	4.0
6.3 TS/TG	0	0
6.4 Total	2.9	2.2