

**Percentage distribution of public and private facilities offering abortion-related services, according to urban or rural location, Assam, 2015**

Facilities	Offering induced abortion			Offering postabortion care			Offering any abortion-related services		
	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
<b>All</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Public	55.2	32.1	100.0	59.5	28.7	100.0	61.1	29.0	100.0
Private	44.8	67.9	0.0	40.5	71.3	0.0	38.9	71.0	0.0
No. (weighted)	410	271	139	566	321	244	588	323	265
<b>Public</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Hospitals	29.6	63.1	8.6	19.8	59.4	4.9	19.0	60.0	4.5
CHCs	33.4	24.8	38.7	27.2	29.2	26.5	25.5	28.8	24.4
PHCs	37.1	12.1	52.7	52.9	11.4	68.6	55.5	11.2	71.1
No. (weighted)	226	87	139	337	92	244	359	94	265
<b>Private</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>
Hospitals	27.9	27.9	0.0	32.3	32.3	0.0	32.3	32.3	0.0
Nursing and maternity homes	61.0	61.0	0.0	58.8	58.8	0.0	58.8	58.8	0.0
Clinics	11.1	11.1	0.0	8.9	8.9	0.0	8.9	8.9	0.0
No. (weighted)	184	184	0	229	229	0	229	229	0

*Notes:* Postabortion care refers to care for complications resulting from either induced abortion or miscarriage. CHC=community health centre. PHC=primary health centre. Proportions presented in the text, figures and tables may differ slightly because of rounding. *Source:* Health Facilities Survey.

**Among facilities providing induced abortion, percentage distribution by method offered and facility type, Assam, 2015**

Facilities	Weighted no. offering abortion	% distribution of facilities by method category			
		Only MMA	Only surgical abortion	Both MMA and surgical abortion	Total
<b>All</b>	<b>410</b>	<b>2.6</b>	<b>16.3</b>	<b>81.2</b>	<b>100.0</b>
<b>Public</b>	<b>226</b>	<b>4.6</b>	<b>19.4</b>	<b>75.9</b>	<b>100.0</b>
Hospitals	67	0.0	10.2	89.8	100.0
CHCs	75	0.0	21.4	78.6	100.0
PHCs	84	12.5	25.0	62.5	100.0
<b>Private</b>	<b>184</b>	<b>0.0</b>	<b>12.4</b>	<b>87.6</b>	<b>100.0</b>
Hospitals	51	0.0	0.0	100.0	100.0
Nursing and maternity homes	112	0.0	20.3	79.7	100.0
Clinics	20	0.0	0.0	100.0	100.0

*Notes:* MMA=medical methods of abortion. Surgical abortion=dilatation and curettage, dilatation and evacuation, and vacuum aspiration. CHC=community health centre. PHC=primary health centre. Proportions presented in the text, figures and tables may differ slightly because of rounding. *Source:* Health Facilities Survey.

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**Number of facilities providing postabortion care and proportion offering these services 24 hours a day, seven days a week, by facility type and location, Assam, 2015**


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<b>Facilities</b>	<b>Weighted no. of facilities offering PAC</b>	<b>% of facilities offering PAC that offer it 24-7</b>
<b>ALL</b>	<b>566</b>	<b>81.7</b>
OWNERSHIP		
<b>Public</b>	<b>337</b>	<b>78.1</b>
Hospitals	67	100.0
CHCs	92	88.2
PHCs	178	64.7
<b>Private</b>	<b>229</b>	<b>87.0</b>
Hospitals	74	100.0
Nursing and maternity homes	135	93.1
Clinics	20	0.0
LOCATION		
<b>Urban</b>	<b>321</b>	<b>90.7</b>
Public	92	100.0
Private	229	87.0
<b>Rural</b>	<b>244</b>	<b>69.9</b>
Public	244	69.9
Private	0	0.0

*Notes:* PAC=postabortion care; refers to care for complications resulting from either induced abortion or miscarriage. CHC=community health centre. PHC=primary health centre. Proportions presented in the text, figures and tables may differ slightly because of rounding. *Source:* Health Facilities Survey.

**Weighted total number of facility-based abortions, average annual number of abortions provided by facilities and percentage distribution of abortions, by facility type, Assam, 2015**

Facilities	Annual no. of facility-based abortions	No. of facilities offering abortion	Average annual no. of abortion cases per facility	% distribution of abortions by facility type	
				Within ownership categories	Overall
<b>All</b>	<b>122,300</b>	<b>410</b>	<b>300</b>	<b>100.0</b>	<b>100.0</b>
<b>Public</b>	<b>89,800</b>	<b>226</b>	<b>400</b>	<b>100.0</b>	<b>73.4</b>
Hospitals	40,500	67	610	45.1	33.1
CHCs	27,300	75	360	30.5	22.4
PHCs	21,900	84	260	24.4	17.9
<b>Private</b>	<b>32,500</b>	<b>184</b>	<b>180</b>	<b>100.0</b>	<b>26.6</b>
Hospitals	10,700	51	210	32.9	8.7
Nursing and maternity homes	19,700	112	180	60.7	16.1
Clinics	2,100	20	100	6.4	1.7
<b>Private registered</b>	<b>21,000</b>	<b>120</b>	<b>170</b>	<b>100.0</b>	<b>17.2</b>
Hospitals	10,700	48	220	50.7	8.7
Nursing and maternity homes	10,400	72	140	49.3	8.5
Clinics	0	0	0	0.0	0.0
<b>Private unregistered</b>	<b>11,500</b>	<b>63</b>	<b>180</b>	<b>100.0</b>	<b>9.4</b>
Hospitals	20	3	10	0.2	0.0
Nursing and maternity homes	9,400	40	240	81.7	7.7
Clinics	2,100	20	100	18.1	1.7

*Notes:* CHC=community health centre. PHC=primary health centre. Numbers may not add to totals because of rounding. Values lower than 50 have been rounded to the tens. Proportions presented in the text, figures and tables may differ slightly because of rounding. *Source:* Health Facilities Survey.

**Percentage distribution of facility-based abortions by gestational duration and by trimester, according to facility type, Assam, 2015**

Facilities	Annual no. of facility-based abortions	% distribution by gestational duration					% distribution by trimester		
		<8 weeks	8–12 weeks	13–20 weeks	>20 weeks	Total	First	Second	Total
<b>All</b>	<b>122,300</b>	<b>65.1</b>	<b>28.6</b>	<b>6.3</b>	<b>0.0</b>	<b>100.0</b>	<b>93.7</b>	<b>6.3</b>	<b>100.0</b>
<b>Public</b>	<b>89,800</b>	<b>60.8</b>	<b>31.6</b>	<b>7.6</b>	<b>0.0</b>	<b>100.0</b>	<b>92.4</b>	<b>7.6</b>	<b>100.0</b>
Hospitals	40,500	53.6	34.9	11.6	0.0	100.0	88.4	11.6	100.0
CHCs	27,300	64.2	29.9	5.9	0.0	100.0	94.1	5.9	100.0
PHCs	21,900	70.0	27.7	2.4	0.0	100.0	97.6	2.4	100.0
<b>Private</b>	<b>32,500</b>	<b>77.1</b>	<b>20.3</b>	<b>2.6</b>	<b>0.0</b>	<b>100.0</b>	<b>97.4</b>	<b>2.6</b>	<b>100.0</b>
Hospitals	10,700	69.8	27.7	2.6	0.0	100.0	97.4	2.6	100.0
Nursing and maternity homes	19,700	87.1	10.1	2.8	0.0	100.0	97.2	2.8	100.0
Clinics	2,100	20.0	80.0	0.0	0.0	100.0	100.0	0.0	100.0
<b>Private registered</b>	<b>21,000</b>	<b>74.9</b>	<b>23.2</b>	<b>1.9</b>	<b>0.0</b>	<b>100.0</b>	<b>98.1</b>	<b>1.9</b>	<b>100.0</b>
Hospitals	10,700	69.8	27.7	2.6	0.0	100.0	97.4	2.6	100.0
Nursing and maternity homes	10,400	80.1	18.7	1.2	0.0	100.0	98.8	1.2	100.0
Clinics	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Private unregistered</b>	<b>11,500</b>	<b>81.2</b>	<b>15.0</b>	<b>3.8</b>	<b>0.0</b>	<b>100.0</b>	<b>96.2</b>	<b>3.8</b>	<b>100.0</b>
Hospitals	20	66.7	33.3	0.0	0.0	100.0	100.0	0.0	100.0
Nursing and maternity homes	9,400	94.8	0.5	4.6	0.0	100.0	95.4	4.6	100.0
Clinics	2,100	20.0	80.0	0.0	0.0	100.0	100.0	0.0	100.0

Notes: CHC=community health centre. PHC=primary health centre. Numbers may not add to totals because of rounding. Values lower than 50 have been rounded to the tens. Proportions presented in the text, figures and tables may differ slightly because of rounding. Source: Health Facilities Survey.

**Percentage distribution of facility-based abortions by method, according to facility type, Assam, 2015**

Facilities	Annual no. of facility-based abortions	% distributions of abortions by method					Total
		MMA	Surgical			D&C or D&E	
			All	MVA	EVA		
<b>All</b>	<b>122,300</b>	<b>12.6</b>	<b>87.4</b>	<b>19.2</b>	<b>37.4</b>	<b>29.9</b>	<b>100.0</b>
<b>Public</b>	<b>89,800</b>	<b>10.4</b>	<b>89.6</b>	<b>21.2</b>	<b>35.5</b>	<b>32.3</b>	<b>100.0</b>
Hospitals	40,500	15.6	84.4	18.9	39.4	25.0	100.0
CHCs	27,300	6.8	93.2	35.5	30.4	27.2	100.0
PHCs	21,900	5.5	94.5	7.5	34.7	52.4	100.0
<b>Private</b>	<b>32,500</b>	<b>18.6</b>	<b>81.4</b>	<b>13.8</b>	<b>42.5</b>	<b>23.3</b>	<b>100.0</b>
Hospitals	10,700	34.4	65.6	1.4	22.2	39.0	100.0
Nursing and maternity homes	19,700	7.9	92.1	21.9	54.8	14.1	100.0
Clinics	2,100	40.0	60.0	0.0	30.0	30.0	100.0
<b>Private registered</b>	<b>21,000</b>	<b>19.5</b>	<b>80.5</b>	<b>0.7</b>	<b>49.2</b>	<b>27.9</b>	<b>100.0</b>
Hospitals	10,700	34.4	65.6	1.4	22.0	39.1	100.0
Nursing and maternity homes	10,400	4.1	95.9	0.0	77.1	16.4	100.0
Clinics	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Private unregistered</b>	<b>11,500</b>	<b>17.2</b>	<b>82.8</b>	<b>37.8</b>	<b>30.2</b>	<b>14.9</b>	<b>100.0</b>
Hospitals	20	0.0	100.0	0.0	100.0	0.0	100.0
Nursing and maternity homes	9,400	12.1	87.9	46.2	30.1	11.6	100.0
Clinics	2,100	40.0	60.0	0.0	30.0	30.0	100.0

Notes: MMA=medical methods of abortion. MVA>manual vacuum aspiration. EVA=electric vacuum aspiration. D&C=dilatation and curettage. D&E=dilatation and evacuation. CHC=community health centre. PHC=primary health centre. Numbers may not add to totals because of rounding. Values lower than 50 have been rounded to the tens. Proportions presented in the text, figures and tables may differ slightly because of rounding. Source: Health Facilities Survey.

**Weighted total number of treated cases of complications related to induced abortion or miscarriage, and proportion of cases by complication diagnosis, Assam, 2015**

Facilities	Annual no. of complication cases	% of cases, by type of complication						
		Incomplete abortion from MMA	Incomplete abortion from any other method	Prolonged or abnormal bleeding	Infection of the uterus/ surrounding areas	Injury/ perforation/ laceration	Sepsis	Shock
All	66,600	64.7	16.5	15.5	4.1	1.6	2.6	1.3
Public	35,700	56.8	17.8	21.4	5.4	1.9	3.6	1.9
Private	30,900	73.8	15.0	8.7	2.6	1.2	1.5	0.5

*Notes:* More than one type of complication may be reported per case. Proportions presented in the text, figures and tables may differ slightly because of rounding. *Source:* Health Facilities Survey.

**Profile of married women aged 15–49\* and of those who had an abortion in the three years preceding the survey, Assam, 2015–2016**

Characteristic	All women 15–49			Women 15–49 who had an abortion		
	% distribution	Weighted no.	Unweighted no.	% distribution	Weighted no.	Unweighted no.
<b>Residence</b>						
Urban	15.0	4,264	3,811	16.1	67	61
Rural	85.0	24,183	24,636	83.9	349	378
<b>Caste/tribe</b>						
Scheduled caste	11.1	3,153	3,071	12.6	52	51
Scheduled tribe	13.0	3,705	5,153	22.1	92	123
Other Backward Class	27.9	7,926	7,682	28.6	119	127
Other/none	48.0	13,663	12,541	36.2	150	135
<b>Age-group</b>						
<20	16.5	4,693	4,671	3.5	15	16
20–24	17.4	4,960	4,963	24.2	100	108
25–29	17.0	4,839	4,871	30.7	128	136
30–34	13.9	3,960	3,964	27.3	113	114
≥35	35.1	9,995	9,978	14.4	60	65
<b>Births</b>						
0	30.2	8,583	8,525	6.1	25	29
1	18.9	5,374	5,346	44.7	186	186
2	21.2	6,030	6,054	28.2	117	126
≥3	29.7	8,460	8,522	21.1	88	98
<b>Marital duration (in years)</b>						
0–2	12.2	2,516	2,568	10.0	41	47
3–5	13.6	2,802	2,835	27.3	113	119
6–15	36.9	7,582	7,649	50.8	210	220
≥16	37.3	7,662	7,600	11.9	49	51
<b>Education (in years)</b>						
0	23.0	6,536	6,598	13.2	55	59
1–5	13.7	3,909	3,841	11.0	46	48
6–11	48.2	13,722	13,840	59.9	249	261
≥12	15.1	4,281	4,168	15.9	66	71
<b>Total</b>	<b>100.0</b>	<b>28,447</b>	<b>28,447</b>	<b>100.0</b>	<b>416</b>	<b>439</b>

\*Three unmarried women were included in the survey. They were excluded from the “marital duration” measure. *Note:* Proportions presented in the text, figures and tables may differ slightly because of rounding. *Source:* reference 30.



**Calculations for the medium, low and high estimates from the sensitivity analysis of the total incidence and rate of induced abortion, Assam, 2015**

<b>Data inputs</b>	<b>Medium</b>	<b>Low</b>	<b>High</b>
<b>Total for-profit MMA sales (after applying grouped rates)*</b>	<b>310,200</b>	<b>300,000</b>	<b>321,800</b>
No. of combipacks and mifepristone pills sold in for-profit setting†	337,600	330,000	347,100
Reduced to account for illegal export to Bangladesh‡	60,900	76,100	45,700
Grouped states MMA rate§	35.40	34.24	36.73
<b>Total nonprofit MMA sales**</b>	<b>184,300</b>	<b>184,300</b>	<b>184,300</b>
<b>Total adjusted sum of for-profit and nonprofit MMA sales</b>	<b>438,900</b>	<b>413,300</b>	<b>467,800</b>
Adjustment to account for wastage††	49,450	48,430	50,610
Adjustment to exclude women who used MMA unsuccessfully outside a facility and then had a facility-based abortion‡‡	6,100	8,000	2,900
<b>TOTAL NONFACILITY MMA</b>	<b>427,800</b>	<b>402,200</b>	<b>456,700</b>
Adjustment to exclude MMA in private and NGO facilities (from HFS and NGO service statistics) from adjusted total sales	6,100	6,100	6,100
Adjustment to exclude MMA given by prescription in public facilities from adjusted total sales	5,100	5,100	5,100
<b>TOTAL FACILITY-BASED ABORTIONS (MMA AND SURGICAL)</b>	<b>122,300</b>	<b>100,600</b>	<b>144,000</b>
<b>TOTAL NONFACILITY ABORTIONS USING METHODS OTHER THAN MMA§§</b>	<b>29,900</b>	<b>15,500</b>	<b>45,200</b>
<b>TOTAL INDUCED ABORTIONS</b>	<b>580,100</b>	<b>518,300</b>	<b>646,000</b>
Induced abortion rate (abortions per 1,000 women aged 15–49)	66.20	59.15	73.72

\*For-profit drug sales come from IMS Health. The estimated total count for each state was increased by 5% to account for incomplete coverage (applied to low, medium and high estimates). †Medium estimate assumes (based on expert opinion and literature) that 80% of women using MMA to induce abortion use one mifepristone pill, 10% use two and 10% use three; low estimate assumes ratio of 70%/15%/15%; high estimate assumes ratio of 90%/5%/5%. ‡Medium estimate reduces for-profit MMA sales in Assam and West Bengal by 10% of illegal MMA in border divisions of Bangladesh, to account for black market export, based on expert opinion of in-country abortion researchers and 2014 Bangladesh HFS results. Low estimate assumes a reduction by 13%; high estimate assumes a reduction by 7%. §Assam was grouped with Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura and West Bengal, and we calculated a rate (for-profit MMA sales per 1,000 women aged 15–49) for the group of states. The group rate was then applied to population numbers of each state in the group to obtain the number of for-profit MMA sales in each state. \*\*Data primarily from Marie Stopes International and DKT International. Count is comprehensive, with no range around the medium estimate. ††On the basis of available literature sources, we estimate drug wastage to reduce the number of MMA drugs by 10% (medium estimate), 13% (low) or 7% (high). ‡‡On the basis of a study of abortion seekers in two states, we estimate the proportion of all facility-based abortion clients who attempted an MMA outside a facility before obtaining an abortion in a facility to be 5% (medium estimate), 8% (low) or 2% (high). §§On the basis of community-based studies in two states and national data on the increase in MMA sales between 2009 and 2015, we estimate the proportion of abortions in this category to be 5% (medium estimate), 3% (low) or 7% (high). *Notes:* See Incidence Methodology and online methodology (“supplementary materials” at [https://www.thelancet.com/journals/langlo/article/PIIS2214-109X\(17\)30453-9/fulltext](https://www.thelancet.com/journals/langlo/article/PIIS2214-109X(17)30453-9/fulltext)) for sources and more details. Calculations based on a projected 2015 female population aged 15–49 of 8,762,698 from Census data. MMA=medical methods of abortion. Numbers may not add to totals because of rounding.