

## HEALTH

A healthy population is an important factor for economic progress and development. As healthy population lives longer, they are more productive and save more. Therefore, it is essential to explore the various health indicators concerning women in the state. The following parameters have been examined in this chapter:

- 2.1 *Infant Mortality Rates by Sex in Nagaland (CRS Rates) from 2009-2015*
- 2.2 *Comparison of Infant Mortality Rates by Sex in Nagaland with India (CRS Rates)*
- 2.3 *Infant Mortality Rate of States and All India Level 2013.*
- 2.4 *Registration of Live Births From 2011 to 2015*
- 2.5 *Registration of Deaths From 2011 to 2015*
- 2.6 *Year-wise Maternal Deaths Registered from 2011 to 2015 in Nagaland.*
- 2.7 *District-wise Births to women aged 15-19 years out of total births in percent(%).*
- 2.8 *District-wise Mean number of children ever born to women aged 40-49 years.*
- 2.9 *District-wise Institutional deliveries in percent(%)*
- 2.10 *District-wise Deliveries at home conducted by skilled health personnel in percent(%)*
- 2.11 *District-wise Prevalence of Anaemia in pregnant women aged 15-49 years in percent(%).*
- 2.12 *District-wise Prevalence of Severe Anaemia in pregnant women aged 15-49 years in percent(%).*
- 2.13 *District-wise Prevalence of Anaemia in women aged 15-49 years in percent(%).*
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- 2.15 *District-wise Mean age at marriage for girls.*
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- 2.17 *Districtwise Currently married women below 18 years of aged in percent(%).*
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- 2.19 *Family Planning Aceptors by Method in Nagaland from 2008-09 to 2014-15*
- 2.20 *District wise Mothers and Births assisted by Medical Convenience in Nagaland as per District Level House Hold Survey by percentage in 2014-15.*

- 2.21 *Gender-wise number of Clients Tested for HIV at ICTC Centers in Nagaland from 2006-07 to 2015-16.*
- 2.22 *Nagaland/India as per National Family Health Surveys.*

### **Total Fertility Rate (TFR)**

As per the National Family Health Survey (NFHS) – IV conducted during 2015-16, the Total Fertility Rate (TFR) for Nagaland was 2.7 as compared to NFHS –III which was 3.7 in 2005-06. The TFR in Urban areas was 1.8 which is lower than the Rural TFR of 3.4. Statistics reveal that improvement in educational level lowers the TFR.

### **Infant Mortality Rate (IMR)**

In NFHS – IV (2015-16), the Infant Mortality (per 1000 live births) was 29 a decline from NFHS –III (2005-06) of 38. The IMR in urban areas was 21 and the IMR in rural areas was 33 due to lesser medical facilities in rural areas.

### **Under Five Mortality Rate**

Under five mortality rate in NFHS –III was 65 which has significantly declined to 37 during NFHS-IV.

### **Registration of Live Births and Deaths.**

In 2011, live birth registered for male and female was 24387 and 21282 respectively as compared to 41921 male and 37618 female in 2015. This shows that live birth for male is higher than female.

Registration of death for male and female in 2011 was 3822 and 3134 as compared to 1527 male and 542 female in 2015.

**Table-2.1: Infant Mortality Rates by Sex in Nagaland (CRS Rates) from 2009 to 2015**

Year	Total			Rural			Urban		
	Female	Male	Total	Female	Male	Total	Female	Male	Total
1	2	3	4	5	6	7	8	9	10
2009	1.70	1.63	1.66	1.58	1.56	1.57	1.83	1.72	1.77
2010	1.85	1.53	1.68	1.75	1.56	1.65	1.98	1.49	1.72
2011	1.55	1.60	1.58	1.49	1.55	1.52	1.63	1.66	1.65
2012	2.39	2.66	2.54	2.89	2.87	2.88	1.74	2.40	2.10
2013	1.59	1.56	1.57	1.49	1.54	1.52	1.74	1.57	1.65
2014	0.15	0.19	0.17	0.17	0.25	0.21	0.11	0.08	0.09
2015	0.05	0.00	0.03	0.07	0.00	0.03	0.04	0.00	0.02

Source: 1.Vital Statistics of India Based on The Civil Registration System(2009-2013), ORGI. 2.RBD (DES), Nagaland (2014-2015)

**Table-2.2: Comparison of Infant Mortality Rates by Sex in Nagaland with India (CRS Rates) from 2009 to 2015**

Year	Nagaland			India		
	Female	Male	Total	Female	Male	Total
1	2	3	4	5	6	7
2009	1.70	1.63	1.66	8.97	9.38	9.19
2010	1.85	1.53	1.68	8.95	9.38	9.18
2011	1.55	1.60	1.58	8.77	10.14	9.49
2012	2.39	2.66	2.54	7.27	8.65	8.00
2013	1.59	1.56	1.57	7.57	9.03	8.34
2014	0.15	0.19	0.17	N.A	N.A	N.A
2015	0.05	0.00	0.03	N.A	N.A	N.A

Source: 1.Vital Statistics of India Based on The Civil Registration System(2009-2013), ORGI.  
2. RBD (DES), Nagaland (2014-2015)

Table-2.3: Infant Mortality Rate of States and All India Level 2013.

Sl. No.	India/States/ Union Territories	Rural			Urban			Person		
		Infant Mortality Rate			Infant Mortality Rate			Infant Mortality Rate		
		Male	Female	Person	Male	Female	Person	Male	Female	Person
1	2	3	4	5	6	7	8	9	10	11
	<b>India</b>	<b>5.76</b>	<b>5.47</b>	<b>5.62</b>	<b>12.11</b>	<b>9.56</b>	<b>10.90</b>	<b>9.03</b>	<b>7.57</b>	<b>8.34</b>
<b>States</b>										
1	Andhra Pradesh	0.24	0.20	0.22	4.61	4.37	4.50	3.02	2.87	2.95
2	Arunachal Pradesh	0.31	0.22	0.27	0.26	0.00	0.13	0.28	0.10	0.19
3	Assam	14.50	16.27	15.34	30.96	19.88	25.77	17.36	16.88	17.13
4	Bihar	1.08	0.76	0.92	1.58	1.33	1.46	1.24	0.93	1.09
5	Chhatisgarh	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
6	Goa	22.02	16.06	19.05	0.96	0.59	0.78	8.17	6.17	7.20
7	Gujarat	6.18	4.91	5.58	14.30	9.58	12.06	11.53	7.98	9.84
8	Haryana	13.83	20.86	17.03	8.18	6.09	7.22	10.17	11.27	10.67
9	Himachal Pradesh	8.51	8.62	8.56	12.68	9.46	11.15	10.11	8.94	9.55
10	Jammu & Kashmir	4.59	6.77	5.54	12.96	15.59	14.31	8.96	12.03	10.43
11	Jharkhand	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
12	Karnataka	9.19	8.24	8.73	18.76	13.51	16.21	16.23	12.14	14.24
13	Kerala	6.35	6.25	6.30	8.29	7.10	7.71	7.58	6.79	7.20
14	Madhya Pradesh	5.65	5.53	5.59	9.28	8.26	8.80	8.06	7.33	7.71
15	Maharashtra	2.89	2.64	2.77	28.23	14.14	19.57	11.67	10.36	11.05
16	Manipur	0.18	0.00	0.10	5.12	4.96	5.05	3.11	3.01	3.07
17	Meghalaya	29.25	24.47	26.88	41.31	39.38	40.38	31.37	26.98	29.20
18	Mizoram	30.23	29.14	29.70	46.78	44.42	45.62	39.82	38.00	38.93
19	<b>Nagaland</b>	<b>1.54</b>	<b>1.49</b>	<b>1.52</b>	<b>1.57</b>	<b>1.74</b>	<b>1.65</b>	<b>1.56</b>	<b>1.59</b>	<b>1.57</b>
20	Odisha	20.10	20.08	20.09	22.24	15.97	19.28	21.14	18.07	19.70
21	Punjab	11.41	12.51	11.93	5.81	4.54	5.22	7.22	6.59	6.93
22	Rajasthan	2.32	1.75	2.06	12.48	9.59	11.13	8.11	6.28	7.27
23	Sikkim	19.19	15.86	17.55	17.93	16.32	17.14	18.23	16.21	17.24
24	Tamil Nadu	5.08	5.75	5.37	15.19	12.20	13.78	11.89	10.27	11.14
25	Tripura	8.26	12.19	10.28	N.A	N.A	N.A	8.26	12.19	10.28
26	Telangana	8.40	8.20	8.30	4.22	4.37	4.29	5.67	5.76	5.72
27	Uttar Pradesh	4.57	3.58	4.10	7.56	6.15	6.92	5.35	4.21	4.82
28	Uttarakhand	3.90	4.08	3.98	3.84	3.05	3.48	3.86	6.25	4.61
29	West Bengal	8.56	7.28	7.95	15.38	11.54	13.54	11.44	9.09	10.32
<b>Union Territories</b>										
1	A & N Islands	26.48	33.21	29.83	15.63	15.71	15.66	18.12	22.97	20.48
2	Chandigarh	N.A	N.A	N.A	93.19	50.40	72.88	138.17	50.17	96.39
3	D & N Haveli	11.42	9.22	10.34	0.92	1.14	1.02	1.07	4.89	2.85
4	Daman & Diu	1.75	0.00	0.93	13.04	10.65	11.85	17.41	8.11	12.85
5	Delhi	11.96	7.58	9.92	26.69	19.46	23.27	41.14	18.67	30.52
6	Lakshadweep	5.68	5.87	5.77	N.A	N.A	N.A	N.A	5.87	2.89
7	puducherry	10.15	7.43	8.87	22.23	16.71	19.59	33.93	15.85	25.32

Source: Vital Statistics of India Based on The Civil Registration System, ORGI.



Table-2.4 : Registration of Live Births From 2011 to 2015

Sl. No	District	2011			2012			2013			2014			2015		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Kohima	4769	4292	9061	4771	4294	9065	4773	4292	9065	3876	3760	7636	3605	3592	7197
2	Phek	1536	1443	2979	1538	1443	2981	1542	1327	2869	2626	1997	4623	2115	1740	3855
3	Mokokchung	3421	3091	6512	3422	3093	6515	3425	3078	6503	1868	1983	3851	1000	1046	2046
4	Wokha	1712	1501	3213	1714	1503	3217	1718	1494	3212	889	718	1607	1163	768	1931
5	Zunheboto	1641	1422	3063	1642	1424	3066	1645	1419	3064	1704	1441	3145	1808	1605	3413
6	Tuensang	1627	1561	3188	1629	1563	3192	1632	1558	3190	5638	4667	10305	4120	3305	7425
7	Mon	1907	1742	3649	1909	1743	3652	1911	1743	3654	3879	3291	7170	1829	1597	3426
8	Dimapur	4956	4361	9317	4958	4363	9321	4960	4357	9317	6577	5220	11797	21200	19583	40783
9	Peren	879	677	1556	881	679	1560	883	667	1550	2596	2366	4962	2668	2416	5084
10	Longleng	943	717	1660	945	719	1664	947	804	1751	1219	1139	2358	1699	1445	3144
11	Kiphire	996	475	1471	998	478	1476	1001	593	1594	823	673	1496	714	521	1235
	Total	24387	21282	45669	24407	21302	45709	24437	21332	45769	31695	27255	58950	41921	37618	79539

Source: RB&amp;D Section, DES, Nagaland: Kohima.

Table-2.5 : Registration of Deaths From 2011 to 2015

Sl.No	District	2011			2012			2013			2014			2015		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Kohima	699	488	1187	698	490	1188	702	493	1195	220	70	290	183	64	247
2	Phek	345	308	653	347	310	657	349	313	662	88	29	117	114	33	147
3	Mokokchung	533	508	1041	535	508	1043	539	511	1050	183	50	233	58	36	94
4	Wokha	322	293	615	324	295	619	326	297	623	67	21	88	28	21	49
5	Zunheboto	209	191	400	211	193	404	213	196	409	101	38	139	68	36	104
6	Tuensang	269	238	507	270	240	510	272	242	514	120	29	149	85	32	117
7	Mon	318	159	477	320	161	481	322	163	485	120	35	155	56	15	71
8	Dimapur	831	706	1537	838	708	1546	842	711	1553	523	166	689	814	251	1065
9	Peren	102	81	183	103	83	186	105	85	190	35	6	41	24	10	34
10	Longleng	95	75	170	96	77	173	98	79	177	30	7	37	37	16	53
11	Kiphire	99	87	186	100	89	189	104	94	198	32	5	37	60	28	88
	<b>Total</b>	<b>3822</b>	<b>3134</b>	<b>6956</b>	<b>3842</b>	<b>3154</b>	<b>6996</b>	<b>3872</b>	<b>3184</b>	<b>7056</b>	<b>1519</b>	<b>456</b>	<b>1975</b>	<b>1527</b>	<b>542</b>	<b>2069</b>

Source: RB&amp;D Section, DES, Nagaland: Kohima.

Table-2.6 : Year-wise Maternal Deaths Registered from 2011 to 2015 in Nagaland.

Sl.No	Year	Rural	Urban	Total
1	2011	13	12	25
2	2012	15	13	28
3	2013	12	12	24
4	2014	N.A	N.A	N.A
5	2015	N.A	N.A	N.A

Source: RB&amp;D Section, DES, Nagaland: Kohima.

**Table-2.7 : District-wise Births to women aged 15-19 years out of total births in percent(%).**

Sl. No.	District	Source	Periodicity(and latest available)	Total	Rural	Urban
1	2	3	4	5	6	7
1	Kohima	DLHS-4	Approximately every five years(2012-13)	5.9	7.0	Not available
2	Dimapur	DLHS-4	Approximately every five years(2012-13)	7.7	5.0	Not available
3	Peren	DLHS-4	Approximately every five years(2012-13)	0.0	0.0	Not available
4	Phek	DLHS-4	Approximately every five years(2012-13)	0.0	0.0	Not available
5	Mokokchung	DLHS-4	Approximately every five years(2012-13)	1.0	1.2	Not available
6	Wokha	DLHS-4	Approximately every five years(2012-13)	4.0	5.8	Not available
7	Zunheboto	DLHS-4	Approximately every five years(2012-13)	0.0	0.0	Not available
8	Tuensang	DLHS-4	Approximately every five years(2012-13)	2.2	2.1	Not available
9	Kiphire	DLHS-4	Approximately every five years(2012-13)	0.0	0.0	Not available
10	Longleng	DLHS-4	Approximately every five years(2012-13)	0.0	0.0	Not available
11	Mon	DLHS-4	Approximately every five years(2012-13)	1.3	0.0	Not available

Source: [www.niti.gov.in](http://www.niti.gov.in)

**Table-2.8 : District-wise Mean number of children ever born to women aged 40-49 years.**

Sl. No.	District	Source	Periodicity(and latest available)	Total	Rural	Urban
1	2	3	4	5	6	7
1	Kohima	DLHS-4	Approximately every five years(2012-13)	2.9	3.3	Not available
2	Dimapur	DLHS-4	Approximately every five years(2012-13)	3.6	3.9	Not available
3	Peren	DLHS-4	Approximately every five years(2012-13)	2.9	2.7	Not available
4	Phek	DLHS-4	Approximately every five years(2012-13)	3.5	3.6	Not available
5	Mokokchung	DLHS-4	Approximately every five years(2012-13)	2.9	3.1	Not available
6	Wokha	DLHS-4	Approximately every five years(2012-13)	3.3	3.2	Not available
7	Zunheboto	DLHS-4	Approximately every five years(2012-13)	3.1	2.9	Not available
8	Tuensang	DLHS-4	Approximately every five years(2012-13)	2.7	2.7	Not available
9	Kiphire	DLHS-4	Approximately every five years(2012-13)	2.5	2.8	Not available
10	Longleng	DLHS-4	Approximately every five years(2012-13)	3.5	3.6	Not available
11	Mon	DLHS-4	Approximately every five years(2012-13)	3.7	3.8	Not available

Source: [www.niti.gov.in](http://www.niti.gov.in)

**Table-2.9 : District-wise Institutional deliveries in percent(%).**

Sl. No.	District	Source	Periodicity(and latest available)	Total	Rural	Urban
1	2	3	4	5	6	7
1	Kohima	DLHS-4	Approximately every five years(2012-13)	44.4	44.1	Not available
2	Dimapur	DLHS-4	Approximately every five years(2012-13)	52.0	46.0	Not available
3	Peren	DLHS-4	Approximately every five years(2012-13)	21.2	20.0	Not available
4	Phek	DLHS-4	Approximately every five years(2012-13)	33.3	30.8	Not available
5	Mokokchung	DLHS-4	Approximately every five years(2012-13)	42.9	35.0	Not available
6	Wokha	DLHS-4	Approximately every five years(2012-13)	18.2	17.0	Not available
7	Zunheboto	DLHS-4	Approximately every five years(2012-13)	20.7	17.9	Not available
8	Tuensang	DLHS-4	Approximately every five years(2012-13)	10.5	7.5	Not available
9	Kiphire	DLHS-4	Approximately every five years(2012-13)	32.4	31.3	Not available
10	Longleng	DLHS-4	Approximately every five years(2012-13)	17.4	17.2	Not available
11	Mon	DLHS-4	Approximately every five years(2012-13)	16.0	6.2	Not available

Source: [www.niti.gov.in](http://www.niti.gov.in)**Table-2.10 : District-wise Deliveries at home conducted by skilled health personnel in percent(%).**

Sl. No.	District	Source	Periodicity(and latest available)	Total	Rural	Urban
1	2	3	4	5	6	7
1	Kohima	DLHS-4	Approximately every five years(2012-13)	15.3	14.7	Not available
2	Dimapur	DLHS-4	Approximately every five years(2012-13)	13.6	14.5	Not available
3	Peren	DLHS-4	Approximately every five years(2012-13)	12.2	10.6	Not available
4	Phek	DLHS-4	Approximately every five years(2012-13)	29.6	30.8	Not available
5	Mokokchung	DLHS-4	Approximately every five years(2012-13)	35.8	40.4	Not available
6	Wokha	DLHS-4	Approximately every five years(2012-13)	35.3	26.6	Not available
7	Zunheboto	DLHS-4	Approximately every five years(2012-13)	27.3	25.0	Not available
8	Tuensang	DLHS-4	Approximately every five years(2012-13)	3.9	4.0	Not available
9	Kiphire	DLHS-4	Approximately every five years(2012-13)	2.9	3.1	Not available
10	Longleng	DLHS-4	Approximately every five years(2012-13)	12.9	14.1	Not available
11	Mon	DLHS-4	Approximately every five years(2012-13)	24.0	26.0	Not available

Source: [www.niti.gov.in](http://www.niti.gov.in)

**Table-2.11 : District-wise Prevalence of Anaemia in pregnant women aged 15-49 years in percent(%).**

Sl. No.	District	Source	Periodicity(and latest available)	Total	Rural	Urban
1	2	3	4	5	6	7
1	Kohima	DLHS-4	Approximately every five years(2012-13)	40.0	58.3	Not available
2	Dimapur	DLHS-4	Approximately every five years(2012-13)	81.5	80.5	Not available
3	Peren	DLHS-4	Approximately every five years(2012-13)	66.7	71.4	Not available
4	Phek	DLHS-4	Approximately every five years(2012-13)	47.8	52.4	Not available
5	Mokokchung	DLHS-4	Approximately every five years(2012-13)	48.1	53.3	Not available
6	Wokha	DLHS-4	Approximately every five years(2012-13)	49.0	53.3	Not available
7	Zunheboto	DLHS-4	Approximately every five years(2012-13)	33.3	30.3	Not available
8	Tuensang	DLHS-4	Approximately every five years(2012-13)	48.6	41.9	Not available
9	Kiphire	DLHS-4	Approximately every five years(2012-13)	100.0	100.0	Not available
10	Longleng	DLHS-4	Approximately every five years(2012-13)	36.1	38.2	Not available
11	Mon	DLHS-4	Approximately every five years(2012-13)	56.1	55.9	Not available

Source: [www.niti.gov.in](http://www.niti.gov.in)

**Table-2.12 : District-wise Prevalence of Severe Anaemia in pregnant women aged 15-49 years in percent(%).**

Sl. No.	District	Source	Periodicity(and latest available)	Total	Rural	Urban
1	2	3	4	5	6	7
1	Kohima	DLHS-4	Approximately every five years(2012-13)	3.8	0.0	Not available
2	Dimapur	DLHS-4	Approximately every five years(2012-13)	1.3	2.5	Not available
3	Peren	DLHS-4	Approximately every five years(2012-13)	40.0	37.5	Not available
4	Phek	DLHS-4	Approximately every five years(2012-13)	8.7	9.5	Not available
5	Mokokchung	DLHS-4	Approximately every five years(2012-13)	11.1	13.3	Not available
6	Wokha	DLHS-4	Approximately every five years(2012-13)	6.0	3.2	Not available
7	Zunheboto	DLHS-4	Approximately every five years(2012-13)	0.0	0.0	Not available
8	Tuensang	DLHS-4	Approximately every five years(2012-13)	4.3	4.8	Not available
9	Kiphire	DLHS-4	Approximately every five years(2012-13)	100.0	100.0	Not available
10	Longleng	DLHS-4	Approximately every five years(2012-13)	8.1	8.6	Not available
11	Mon	DLHS-4	Approximately every five years(2012-13)	12.2	14.7	Not available

Source: [www.niti.gov.in](http://www.niti.gov.in)

**Table-2.13 : District-wise Prevalence of Anaemia in women aged 15-49 years in percent(%).**

Sl. No.	District	Source	Periodicity(and latest available)	Total	Rural	Urban
1	2	3	4	5	6	7
1	Kohima	DLHS-4	Approximately every five years(2012-13)	41.7	42.7	Not available
2	Dimapur	DLHS-4	Approximately every five years(2012-13)	71.9	75.4	Not available
3	Peren	DLHS-4	Approximately every five years(2012-13)	47.7	50.0	Not available
4	Phek	DLHS-4	Approximately every five years(2012-13)	53.2	53.4	Not available
5	Mokokchung	DLHS-4	Approximately every five years(2012-13)	51.3	51.1	Not available
6	Wokha	DLHS-4	Approximately every five years(2012-13)	42.4	45.3	Not available
7	Zunheboto	DLHS-4	Approximately every five years(2012-13)	43.5	42.9	Not available
8	Tuensang	DLHS-4	Approximately every five years(2012-13)	45.2	44.4	Not available
9	Kiphire	DLHS-4	Approximately every five years(2012-13)	61.8	61.8	Not available
10	Longleng	DLHS-4	Approximately every five years(2012-13)	34.3	31.9	Not available
11	Mon	DLHS-4	Approximately every five years(2012-13)	54.4	56.6	Not available

Source: [www.niti.gov.in](http://www.niti.gov.in)**Table-2.14 : District-wise Prevalence of Severe Anaemia in women aged 15-49 years in percent(%).**

Sl. No.	District	Source	Periodicity(and latest available)	Total	Rural	Urban
1	2	3	4	5	6	7
1	Kohima	DLHS-4	Approximately every five years(2012-13)	4.7	3.8	Not available
2	Dimapur	DLHS-4	Approximately every five years(2012-13)	3.5	3.9	Not available
3	Peren	DLHS-4	Approximately every five years(2012-13)	18.5	18.2	Not available
4	Phek	DLHS-4	Approximately every five years(2012-13)	13.9	13.1	Not available
5	Mokokchung	DLHS-4	Approximately every five years(2012-13)	6.0	3.9	Not available
6	Wokha	DLHS-4	Approximately every five years(2012-13)	1.7	1.7	Not available
7	Zunheboto	DLHS-4	Approximately every five years(2012-13)	5.2	5.3	Not available
8	Tuensang	DLHS-4	Approximately every five years(2012-13)	3.0	3.1	Not available
9	Kiphire	DLHS-4	Approximately every five years(2012-13)	12.0	12.0	Not available
10	Longleng	DLHS-4	Approximately every five years(2012-13)	2.4	2.3	Not available
11	Mon	DLHS-4	Approximately every five years(2012-13)	3.2	3.7	Not available

Source: [www.niti.gov.in](http://www.niti.gov.in)