

B I B L I O G R A P H Y

1. Akhtar, R. and Learmonth, A.T.A. (1986) : Geographical aspects of health and diseases in India. Datta M.K. (1973), 'The diffusion and ecology of cholera in India', Concept Publishing Company, New Delhi, p.91.
2. Akhtar, R. (1983) : Scope of geography of health and geo-medical research in India. Annals of the National Association of Geographers, India, Vol.III, No.2 (Dec.1983), pp.66-83.
3. Arunachalam, B. (1967) : Maharashtra - A study in physical and regional setting and resource development. A.R. Sheth and Co., 133, Princess Stree, Bombay 2, p.10.
4. Bannerjee, B. and Hazra (1974) : Geo-ecology of cholera in West Bengal : A study in Medical Geography; Publishing Jayanti Hazra, Calcutta.
5. Bedi, Y.P. (1980) : A handbook of social and preventive medicine. Anand Publishing Co., Amritsar 143001.
6. Bhagwat, S.Y. and Sathe, P.V. (Ed.) (1975) : Rog pratibandhak and samajik aushad vaidak shashtra (Marathi), M.V.G.N., Poona, p.666.
7. Bhave, V.N. and Deodhar, N.S. (Ed.) (1967) : You and your health. G.Y.Rane Prakashan, Pune.
8. Choubey, K. (1971) : Diseases of Sagar city in the light of environment and nutritional deficiency factors - A case study in Medical Geography. Geographical Review of India, Vol.33, No.2, pp.88-120.

9. Datta, M.K. (1973) : The diffusion and Ecology of cholera in India. Geographical Review of India, 35, pp.245-246.
10. Dubos, R. (1968) : Man, medicine and environment. Pall Mali Pr. London.
11. Experienced Professor (1976) : Preventive and social medicine, Current Publishers, Calcutta.
12. Ghei, Amarnath (1968) : Text-book of public health and social medicine. Sagar Publication, New Delhi.
13. Ghai, Y.P. (1980) : A handbook of social and preventive medicine. Anand Publishing Co., Amritsar, p.9,48.
14. Howe, G.M. (1972) : Man environment and diseases in G.B. - A Medical Geography through the Ages. David Charles, Newton, London.
15. Howe, G.M. (1977) : A World Geography of Human diseases. Academic Press, London, pp.7, 148, 168-173.
16. Mahajan, B.K. (1972) : Preventive and social medicine in India. Jaypee Brothers, Kamalanagar, Delhi 7, pp.295-296.
17. Mathur, J.S. (1971) : Introduction to social and preventive medicine. Oxford and IBH Publishing Co., New Delhi, pp.31, 52, 384.
18. May, J.M. (1958) : Ecology of human diseases. M.D.Publication, New York.
19. McGlashan, N.D. (Ed.) (1972) : Medical Geography techniques and field studies. Matheu and Co., London.

20. Misra, R.P. (1970) : Medical Geography of India. Book Trust of India, New Delhi, pp.7, 20, 40, 43, 97, 100, 143-147.
21. Mulik, J.D. (1987) : Spatial analysis of communicable diseases in Konkan division of Maharashtra State. Unpublished M.Phil.Thesis, Shivaji University, Kolhapur, p.16.
22. Pandurkar, R.G. (1981) : Spatial distribution of some diseases in Maharashtra - A study in medical geography. Unpublished Ph.D. Thesis, Shivaji University, Kolhapur.
23. Pandurkar, R.G. (1979) : Cholera in Maharashtra : A spatio-temporal perspective. Published by the Geographical Survey of India, Calcutta, Vol.41, No.3, Sept.1979, pp.277-283.
24. Park, J.E. and Park, K. (1979) : Text-book of preventive and social medicine. M/S. Banarashidas Bhanot, Jabalpur.
25. Pyle, G.F. (1979) : Applied medical geography. V.N. Winston and Sons, New York.
26. Rao, K.N. (1966) : The national health. The publication Division, Delhi.
27. Swaroop (1951) : Endemicity of cholera in India. Indian Jour. Med. Res., 39, p.141.
28. Vakil, R.J. (Ed.) (1973) : Textbook of medicine, Association of Physicians of India, pp.56, 92.

Census Reports and Vital Statistics :

29. Govt. of Maharashtra (1965-83) : Public Health Dept.
Annual Public Health Report of M.S. Vital and
Health Statistics 1965 to 1983 (19 Reports).
30. _____ (1971-83) : Statistical Abstract
of M.S. Bureau of Economics and Statistics.

A P P E N D I X - I

Mid year estimated population of the districts (population in 000's).

Sr. No.	Districts	1965			1966			1967			1968			1969			1970			1971		
		R	U	T	R	U	T	R	U	T	R	U	T	R	U	T	R	U	T	R	U	T
1.	Gr. Bombay	-	4654	4654	-	4784	4784	-	4903	4903	-	5368	5368	-	5534	5534	-	5700	5700	-	6033	6033
2.	Thana	1249	568	1812	1270	580	1850	1292	595	1887	1398	605	2003	1507	611	2118	1554	627	2181	1463	832	2295
3.	Kulaba	1012	112	1124	1026	113	1139	1039	114	1153	1067	120	1187	1125	1147	1244	1148	122	1270	1111	153	1264
4.	Ratnagiri	1722	156	1878	1731	158	1889	1740	160	1900	1762	155	1917	1840	154	1904	1864	155	2019	1818	167	1985
5.	Nasik	1633	407	2040	1528	554	2082	1555	569	2140	1681	578	2259	1808	584	2392	1863	600	2464	1697	681	2378
6.	Dhulia	1239	238	1477	1264	243	1567	1288	248	1536	1364	259	1623	1453	262	1715	1496	268	1764	1375	289	1668
7.	Jalgaon	1471	421	1892	1495	427	1922	1519	432	1951	1569	455	2024	1670	457	1827	1711	466	2177	1626	504	2130
8.	Ahmednagar	1733	201	1934	1767	204	1971	1800	207	2007	1890	223	2113	2007	224	1231	2062	230	2292	2026	251	2277
9.	Poona	1666	1024	2690	1702	1040	2742	1735	1058	2793	1823	1122	2945	1978	1132	3110	2039	1159	3198	1854	1334	3188
10.	Satara	1368	172	1540	1390	175	1565	1413	178	1591	1472	183	1655	1558	184	1742	1596	189	1785	1497	228	1723
11.	Sangli	1116	215	1331	1135	220	1355	1153	223	1378	1216	225	1441	1292	226	1518	1325	232	1557	1255	288	1543
12.	Solapur	1455	559	2014	1481	568	2049	1508	577	2085	1572	610	2182	1685	614	2299	1732	627	2359	1640	613	2258
13.	Kolhapur	1377	344	1721	1398	352	1750	1416	361	1779	1498	358	1856	1593	360	1553	1634	367	2301	1613	442	2055
14.	Aurangabad	1428	238	1686	1478	243	1721	1507	248	1755	1604	264	1868	1711	267	1978	1763	274	2037	1637	331	1968
15.	Parbhani	1117	174	1291	1137	174	1311	1155	175	1330	1187	190	1377	1256	191	1447	1285	195	1480	1267	243	1510
16.	Bhir	972	105	1077	988	107	1095	1004	109	1113	1043	114	1151	1103	115	1218	1130	117	1247	1142	150	1292
17.	Nanded	998	166	1164	1016	168	1184	1034	170	1204	1047	181	1258	1138	183	1321	1168	187	1355	1175	229	1404
18.	Osmanabad	1448	146	1594	1451	169	1620	1476	172	1648	1555	182	1717	1625	183	1808	1666	187	1853	1664	238	1902
19.	Buldhana	953	189	1142	969	192	1161	984	196	1180	1026	204	1230	1089	204	1293	1117	208	1325	1042	222	1264
20.	Akola	1005	288	1293	1022	294	1316	1041	299	1340	1097	311	1408	1174	312	1486	1205	221	1526	1152	355	1507
21.	Yeotmal	1021	150	1171	986	354	1340	786	903	1689	1041	369	1410	934	923	1857	1173	160	1333	1233	195	1428
22.	Wardha	514	162	676	1334	153	1487	1048	155	1203	1086	157	1243	1147	157	1304	995	137	732	589	192	781
23.	Nagpur	753	881	1634	520	165	685	527	168	695	547	169	717	582	170	752	910	943	1803	890	1061	1957
24.	Amraoti	972	348	1320	777	884	1661	1001	360	1361	845	918	1762	1112	370	1482	1139	377	1516	1125	426	1551
25.	Bhandara	1201	152	1353	1217	156	1373	1233	107	1303	1284	154	1438	1355	155	1510	1386	158	1544	1484	191	1675
26.	Chandrapur	1218	100	1318	1219	108	1337	1245	110	1355	1290	108	1398	1368	108	1466	1388	110	1498	1477	168	1645
27.	Total State	90656	12170	42826	31010	12585	43581	31501	12852	44353	32971	13582	46553	35100	13799	48899	35999	14153	50152	34856	15821	50677

Appendix - I Conti..

Sr. No.	Districts	Population in 000.																			
		1972			1973			1974			1975			1976			1977				
		R	U	T	R	U	T	R	U	T	R	U	T	R	U	T	R	U	T		
1.	Gr. Bombay	-	6297	6297	-	6569	6569	6820	6820	7082	7082	-	7344	7344	-	7344	7344	-	6755	6755	6755
2.	Thana	1524	865	2389	1578	896	2474	1632	923	2560	2645	1741	989	2730	1741	989	2730	1646	935	2581	2581
3.	Kulaba	1137	156	1293	1157	159	1316	1178	162	1340	1364	1219	168	1387	1219	168	1387	1256	173	1429	1429
4.	Ratnagiri	1843	169	2012	1858	170	2028	1873	172	2045	2062	1889	173	2079	1904	175	2079	2063	189	2252	2252
5.	Nasik	1748	702	2450	1794	720	2514	1840	738	2578	2643	1886	757	2707	1932	775	2707	1913	768	2681	2681
6.	Dhulia	1413	269	1709	1444	302	1746	1475	309	1784	1821	1506	315	1821	1538	322	1858	1555	326	1881	1881
7.	Jalgaon	1661	515	2176	1693	524	2217	1725	534	2259	2301	1757	544	2343	1789	554	2343	1834	568	2402	2402
8.	Ahmednagar	2086	280	2346	2141	267	2408	2196	274	2470	2531	2251	280	2593	2306	287	2593	2283	284	2567	2567
9.	Poona	1913	1377	3290	1966	1414	3380	2018	1452	3470	3560	2070	1490	3650	2123	1527	3650	2091	1505	3596	3596
10.	Satara	1538	233	1771	1568	238	1806	1599	242	1841	1876	1624	247	1876	1660	251	1911	1697	257	1954	1954
11.	Sangli	1291	296	1587	1322	303	1625	1353	310	1663	1701	1384	310	1701	1415	324	1739	1417	325	1742	1742
12.	Solapur	1679	633	2312	1713	646	2359	1747	658	2405	2452	1781	671	2498	1814	684	2498	1852	698	2550	2550
13.	Kolhapur	1663	455	2119	1708	468	2176	1753	480	2233	2289	1797	492	2346	1842	504	2346	1819	498	2317	2317
14.	Aurangabad	1690	341	2040	1745	350	2095	1792	359	2157	2206	1837	369	2261	1883	378	2261	1857	373	2230	2230
15.	Parbhani	1304	249	1553	1334	255	1589	1365	261	1626	1663	1396	267	1663	1427	273	1700	1431	274	1705	1705
16.	Bhir	1176	155	1331	1208	159	1367	1240	163	1403	1438	1271	167	1474	1303	171	1474	1286	159	1455	1455
17.	Nanded	1212	236	1448	1246	243	1489	1279	250	1529	1569	1313	256	1610	1347	263	1610	1323	258	1581	1581
18.	Osmanabad	1718	245	1963	1767	251	2015	1810	258	2068	2121	1856	265	2121	1902	271	2173	1878	268	2146	2146
19.	Buldhana	1065	227	1292	1085	231	1316	1104	235	1339	1363	1124	239	1387	1143	244	1387	1178	251	1429	1429
20.	Akola	1185	365	1550	1215	374	1589	1244	383	1627	1665	1273	392	1704	1303	401	1704	1299	400	1699	1699
21.	Yeotmal	1157	438	1589	1178	448	1626	1205	459	1664	1702	1233	469	1739	1266	479	1739	1263	481	1744	1744
22.	Wardha	1274	201	1475	1310	207	1517	1346	212	1558	1599	1381	218	1641	1417	224	1641	1391	220	1611	1611
23.	Nagpur	605	196	801	618	201	819	631	205	836	854	645	209	871	658	213	871	666	216	882	882
24.	Amraoti	919	1092	2011	944	1122	2066	969	1152	214	2176	994	1182	2231	1019	1212	2231	1004	1194	2198	2198
25.	Bhandara	1447	186	1633	1481	191	1672	1515	195	1710	1748	1549	199	1786	1583	203	1786	1590	204	1784	1784
26.	Chandrapur	1531	174	1705	1519	179	1758	1626	184	1810	1863	1673	190	1915	1720	195	1915	1666	190	1856	1856
27.	Total State	35182	16360	52142	36649	16877	53526	37515	17395	54910	56294	38381	17913	57677	39246	18431	57677	39258	17770	57037	57037

Conti..

Appendix - I Conti..

Sr. No.	Districts	Population in 000'																	
		1978			1979			1980			1981			1982			1983		
		R	U	T	R	U	T	R	U	T	R	U	T	R	U	T	R	U	T
1.	Gr. Bombay	-	6878	6878	-	7001	7001	-	8033	8033	-	8314	8314	-	8527	8527	-	8755	8755
2.	Thana	1676	952	2828	1706	970	2676	1797	1449	3246	1881	1501	3382	1944	1541	3485	1459	2133	3592
3.	Kulaba	1279	176	1455	1302	179	1481	1557	209	1766	1280	211	1491	1303	211	1514	1314	223	1537
4.	Ratnagiri	2100	193	2293	2137	196	2333	1930	170	2100	1974	174	2148	2659	171	2168	2006	176	2182
5.	Nasik	1948	782	2730	1982	795	2777	2118	917	2935	2073	935	3008	2123	947	3070	2011	1121	3132
6.	Dhulia	1683	331	1914	1611	338	1949	1624	396	2020	1662	403	2065	1693	406	2099	1712	426	2138
7.	Jalgaon	1867	578	2445	1900	589	2489	1927	651	2578	1974	663	2637	2011	669	2680	2036	694	2730
8.	Ahmednagar	2324	290	2614	2365	295	2660	2327	349	2676	2373	354	2727	2411	352	2763	2433	374	2807
9.	Poona	2129	1532	3661	2167	1559	3726	2139	1941	4080	2212	1987	4199	2263	2025	4288	2220	2166	4386
10.	Satara	1728	262	1990	1758	266	2024	1752	264	2016	1785	268	2053	1811	267	2078	1834	275	2109
11.	Sangli	1443	331	1774	1469	336	1805	1412	391	1303	1440	396	1836	1469	399	1868	1479	418	1897
12.	Solapur	1886	710	2596	1919	723	2642	1816	763	2579	1849	771	2620	1864	772	2636	1876	795	2671
13.	Kolhapur	1852	507	2359	1885	516	2401	1847	616	2463	1865	617	2482	1898	623	2521	1914	652	2566
14.	Aurangabad	1891	379	2270	1925	386	2311	1870	532	2402	2062	582	2644	2104	586	1680	2073	658	2729
15.	Parbhani	1457	279	1736	1483	284	1767	1461	340	1801	1341	310	1651	1370	311	1681	1381	330	1711
16.	Bhir	1309	172	1481	1333	175	1508	1240	229	1469	1260	231	1491	1218	220	1438	1221	237	1458
17.	Nanded	1347	263	1610	1317	267	1638	1395	324	1719	1430	330	1760	1460	333	1793	1478	350	1828
18.	Osmanabad	1912	273	2185	1946	278	2224	1861	341	2202	1895	345	2240	2063	362	2365	2016	382	2398
19.	Suldhana	1199	256	1455	1220	260	1480	1210	277	1487	1235	281	1516	1257	282	1539	1272	292	1564
20.	Akola	1322	407	1729	1346	414	1760	1348	451	1799	1379	457	1836	1406	462	1868	1423	477	1900
21.	Yeotmal	1286	489	1775	1309	498	1807	1293	540	1833	1322	548	1870	1512	265	1777	1531	277	1808
22.	Wardha	1416	223	1639	1442	228	1670	1450	260	1710	1483	264	1747	711	234	945	719	241	980
23.	Nagpur	678	220	898	690	224	914	685	230	915	699	233	932	1158	1512	2670	1172	1512	2734
24.	Anraoti	1022	1216	2238	1040	1237	2270	1086	1442	2529	1127	1479	2606	1348	553	1901	1362	571	1933
25.	Bhandara	1618	208	1826	1647	212	1859	1577	239	1816	1603	242	1845	1628	241	1869	1640	254	1894
26.	Chandrapur	1697	144	1840	1727	196	1923	1762	259	2020	1807	263	2070	1844	264	2108	2866	286	2952
27.	Total State	30669	14100	44769	40680	18422	59102	40084	21612	61696	41011	22159	63170	41796	22535	64331	41448	24120	65568

N.B. : R = Rural, U = Urban, T = Total.