	Census2001 (April)	.05-06	.06-07	.07-08	.08-09	.09-10	10-11	11-12	12-13
Population(April) Mid year population(Oct)	26945829	29511690	30190459	30884840	31595191	32321880	33065284	33825785	34603778
		29849145	30535676	31237996	31956470	32691469	33443373	34212570	34999459

झारखण्ड सरकार

TARGET AND ESTIMATION OF VACCINE REQUIREMENT FOR IMMUNIZATION PROGRAM FOR 2009 - 10 FOR JHARKHAND

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	21
Sl No	District	Mid year Population of Districts 08 -09	Mid year Population of Districts 09 -10	RIOUNDED TO NEAREST THOUSAND	Birth Rate	IMR	PW	Live birth	Infant(0-1)	CH(5)	CH(10)	CH(16)	TT(PW)	TT(CH)	TT(Total)	OPV (Routine)	Measles	DPT	BCG
	Formulae				26.2/ 1000 of population	49 /1000 Live Birth	POP* BR *1.1	POP* BR	POP* BR* (1-IMR)	CH(1) *0.984	CH(5) *0.966	CH(5) *0.954	PW*2* 1.33	(CH(10)+ CH(16))* 1.33	Total of Col 13 + col 14	INFANT *4*1.33	INFANT* 1.33	INFANT *4*1.33+CH(5)*1.33	INFANT*1.33
1	Bokaro	2027823	2074463	2,074,000	0.0262	0.049	59773	54339	51676	50849	49121	46861	158995	127655	286651	274917	68729	342547	68729
2	Chatra	927993	949337	949,000	0.0262	0.049	27350	24864	23645	23267	22476	21442	72751	58411	131163	125794	31448	156739	31448
3	Deoghar	1352167	1383267	1,383,000	0.0262	0.049	39858	36235	34459	33908	32755	31248	106022	85124	191147	183322	45831	228420	45831
4	Dhanbad	2772852	2836627	2,837,000	0.0262	0.049	81762	74329	70687	69556	67191	64101	217488	174618	392106	376056	94014	468566	94014
5	Dumka	1388035	1419960	1,420,000	0.0262	0.049	40924	37204	35381	34815	33631	32084	108859	87401	196260	188227	47057	234531	47057
6	E. Singhbhum	2351730	2405819	2,406,000	0.0262	0.049	69341	63037	59948	58989	56984	54362	184447	148090	332537	318925	79731	397381	79731
7	Garhwa	1209622	1237443	1,237,000	0.0262	0.049	35650	32409	30821	30328	29297	27949	94830	76138	170968	163970	40992	204306	40992
8	Giridih	2268157	2320325	2,320,000	0.0262	0.049	66862	60784	57806	56881	54947	52419	177854	142797	320651	307526	76881	383177	76881
9	Godda	1242144	1270714	1,271,000	0.0262	0.049	36630	33300	31668	31162	30102	28718	97436	78230	175667	168476	42119	209922	42119
10	Gumla	939986	961606	962,000	0.0262	0.049	27725	25204	23969	23586	22784	21736	73748	59211	132959	127517	31879	158886	31879
11	Hazaribagh	1690905	1729795	1,730,000	0.0262	0.049	49859	45326	43105	42415	40973	39088	132624	106482	239106	229319	57330	285731	57330
12	Jamtara	698410	714473	714,000	0.0262	0.049	20577	18707	17790	17506	16910	16132	54736	43947	98683	94644	23661	117926	23661
	Khunti	525952	538049	538,000	0.0262	0.049	15505	14096	13405	13190	12742	12156	41244	33114	74358	71314	17829	88857	17829
13	Koderma	597704	611451	611,000	0.0262	0.049	17609	16008	15224	14980	14471	13805	46840	37607	84447	80991	20248	100914	20248
14	Latehar	695870	711875	712,000	0.0262	0.049	20520	18654	17740	17456	16863	16087	54583	43824	98407	94379	23595	117596	23595
15	Lohardaga	432450	442397	442,000	0.0262	0.049	12738	11580	11013	10837	10468	9987	33884	27205	61089	58589	14647	73002	14647
16	Pakur	832140	851280	851,000	0.0262	0.049	24526	22296.2	21204	20864	20155	19228	65239	52379	117618	112804	28201	140553	28201
17	Palamau	1771743	1812493	1,812,000	0.0262	0.049	52222	47474	45148	44426	42915	40941	138910	111529	250439	240188	60047	299274	60047
	Ramgarh	984330	1006970	1,007,000	0.0262	0.049	29022	26383	25091	24689	23850	22753	77198	61981	139179	133482	33371	166319	33371
18	Ranchi	2728669	2791429	2,791,000	0.0262	0.049	80437	73124.2	69541	68428	66102	63061	213961	171787	385748	369959	92490	460969	92490
19	Sahebganj	1087729	1112747	1,113,000	0.0262	0.049	32077	29161	27732	27288	26360	25148	85324	68505	153829	147533	36883	183826	36883
20	Saraikela	908778	929680	930,000	0.0262	0.049	26803	24366	23172	22801	22026	21013	71295	57242	128537	123275	30819	153601	30819
21	Simdega	578384	591687	592,000	0.0262	0.049	17061	15510	14750	14514	14021	13376	45383	36438	81821	78472	19618	97776	19618
22	W. Singhbhum	1383965	1415796	1,416,000	0.0262	0.049	40809	37099	35281	34717	33536	31994	108552	87155	195707	187697	46924	233870	46924
	TOTAL	31,397,538	32119681	32,120,000	0.0262	0.049	925641	841492	800259	787454	760681	725690	2462204	1976873	4439077	4257375	1064344	5304690	1064344

1	22	23	24	25	27
Sl No	TT	OPV	Measles	DPT	BCG
Formulae	With 25% Buffer stock				
1	358313	343647	85912	428184	85912
2	163953	157242	39311	195924	39311
3	238933	229153	57288	285525	57288
4	490133	470070	117518	585708	117518
5	245325	235284	58821	293163	58821
6	415671	398657	99664	496726	99664
7	213710	204962	51240	255383	51240
8	400813	384407	96102	478971	96102
9	219584	210595	52649	262402	52649
10	166199	159396	39849	198608	39849
11	298882	286648	71662	357164	71662
12	123354	118305	29576	147408	29576
	92947	89143	22286	111072	22286
13	105559	101238	25310	126143	25310
14	123008	117973	29493	146995	29493
15	76362	73236	18309	91252	18309
16	147022	141005	35251	175692	35251
17	313049	300235	75059	374093	75059
	173974	166853	41713	207898	41713
18	482185	462448	115612	576211	115612
19	192287	184416	46104	229782	46104
20	160671	154094	38524	192001	38524
21	102277	98090	24523	122220	24523
22	244634	234621	58655	292338	58655
TOTAL	5,548,847	5,321,719	1,330,430	6,630,862	1,330,430

1	Yearly req.							Monthly Req.						
Sl No	AD(0.1)	AD(0.5)	5ml Disposable	Safety box	JB card (0-3)	JB card (3-6)	Hub Cutter	AD(0.1)	AD(0.5)	5ml Disposable	Safety box	JB card (0-3)	JB card (3-6)	TT
Formulae	AD syringe 0.1 ml=Bene of BCG*1.1*1.25	AD syringe 0.5 ml= Bene of[DPT(In*4+DT(CH5*1)+TT(PW*1+CH10*1+CH15*1)+MEASLES(In*1))*1.11*1.25	5ml disposable syringe=(Measles doses/5+BCG doses/10)	(ADt0.5)+ADt0.1)+5ml)/10 0*1.1	PW*1.1*1.25	Infant*1.1*1.25	(No of subcenter+no of phc+SDH+Ref Hosp+Dist Hosp+Medical coll)*1.1	AD syringe 0.1 ml=Bene of BCG*1.1*1.25	AD syringe 0.5 ml= Bene of[DPT(In*4+DT(CH5*1)+TT(PW*1+CH10*1+CH15*1)+MEASLES(In*1))*1.11*1.25	5ml disposable syringe=(Measles doses/5+BCG doses/10)	(ADt0.5)+ADt0.1)+5ml)/10 0*1.1	PW*1.1*1.25	Infant*1.1*1.25	With 25% Buffer stock
1	71701	728101	25774	9081	82187	71055	189	5975	60675	2148	757	6849	5921	29859
2	32808	333157	11793	4155	37606	32513	136	2734	27763	983	346	3134	2709	13663
3	47812	485517	17186	6056	54805	47381	256	3984	40460	1432	505	4567	3948	19911
4	98079	995960	35255	12422	112423	97195	229	8173	82997	2938	1035	9369	8100	40844
5	49091	498507	17646	6218	56271	48649	378	4091	41542	1471	518	4689	4054	20444
6	83178	844653	29899	10535	95344	82429	332	6932	70388	2492	878	7945	6869	34639
7	42765	434263	15372	5416	49019	42379	160	3564	36189	1281	451	4085	3532	17809
8	80205	814462	28831	10158	91936	79483	297	6684	67872	2403	847	7661	6624	33401
9	43940	446199	15795	5565	50367	43544	232	3662	37183	1316	464	4197	3629	18299
10	33258	337721	11955	4212	38122	32958	306	2771	28143	996	351	3177	2746	13850
11	59808	607336	21499	7575	68556	59269	286	4984	50611	1792	631	5713	4939	24907
12	24684	250658	8873	3126	28294	24461	182	2057	20888	739	261	2358	2038	10279
	18599	188871	6686	2356	21320	18432		1550	15739	557	196	1777	1536	7746
13	21123	214498	7593	2675	24212	20933	97	1760	17875	633	223	2018	1744	8797
14	24615	249955	8848	3118	28215	24393	145	2051	20830	737	260	2351	2033	10251
15	15280	155169	5493	1935	17515	15143	112	1273	12931	458	161	1460	1262	6363
16	29420	298753	10575	3726	33723	29155	165	2452	24896	881	311	2810	2430	12252
17	62643	636123	22518	7934	71805	62079	241	5220	53010	1876	661	5984	5173	26087
	34813	353518	12514	4409	39905	34500		2901	29460	1043	367	3325	2875	14498
18	96488	979811	34684	12221	110600	95619	653	8041	81651	2890	1018	9217	7968	40182
19	38478	390731	13831	4873	44105	38131	210	3206	32561	1153	406	3675	3178	16024
20	32151	326487	11557	4072	36854	31862	248	2679	27207	963	339	3071	2655	13389
21	20466	207828	7357	2592	23459	20282	198	1706	17319	613	216	1955	1690	8523
22	48953	497102	17597	6200	56113	48512	458	4079	41425	1466	517	4676	4043	20386
TOTAL	1,110,359	11,275,379	399,129	140,634	1,272,756	1,100,355	5,510	92,530	939,615	33,261	11,719	106,063	91,696	462,404

1	22	23	24	25	27	1	22	23	24	25	27
Sl No	TT	OPV	Measles	DPT	BCG	Sl No	TT	OPV	Measles	DPT	BCG
	Yearly req.						Monthly Req.				
1	443,477	110,869	552,572	#REF!	110,869						

	Jacha Bacha card 0-3 yrs(PW*1.1*1.25).	1272756			AD syringe 0.1 ml=Bene of BCG*1.1*1.25	1,110,359		5ml disposable syringe=(Measles doses/5+BCG doses/10)					Yearly req.					Yearly req.					Monthly Req.				
	Jacha Bacha card 4-6 yrs(Infant*1.1*1.25).	1100355			AD syringe 0.5 ml= Bene of(DPT(In*4)+DT(CH5*1)+TT(PW*1+CH10*1+CH15*1)+MEASLES(In*1))*1.11*1.25	11,275,379																					

		No. of PHCs	No. of APHCs	No. of HSCs	No. of Sub.Divisional Hospital	No. of District Hospital	No. of Urban Wards	No. of Medical Colleges	No. of Notified Area	Total FOR hub cutter		
		1	2	3	4	5	6	7	8	9		
1	Bokaro	8	15	116	2	0	30	0	1	189	66688	66688
2	Chatra	6	8	97	1	0	12	0	0	136		133376
3	Deoghar	8	5	181	0	1	36	0	2	256		200065
4	Dhanbad	8	28	135	0	0	32	1	4	229		266753
5	Dumka	10	58	258	0	1	16	0	1	378		333441
6	E. Singhbhum	9	16	244	0	0	30	1	2	332		400129
7	Garhwa	8	10	111	1	0	14	0	1	160		466817
8	Giridih	12	15	221	0	1	19	0	2	297		533506
9	Godda	7	9	180	1	1	12	0	1	232		600194
10	Gumla	11	13	242	1	1	10	0	0	306		666882
11	Hazaribagh	14	19	203	0	1	21	0	2	286		733570
12	Jamtara	4	15	132	1	0	11	0	2	182		800259
13	Koderma	4	5	62	1	0	12	0	4	97		
14	Latehar	7	7	100	1	0	17	0	0	145		
15	Lohardaga	5	10	73	1	1	11	0	1	112		
16	Pakur	6	9	121	1	1	12	0	0	165		
17	Palamau	10	21	170	0	1	17	0	0	241		
18	Ranchi	20	30	502	1	1	37	1	2	653		
19	Sahebganj	7	10	141	1	1	31	0	0	210		
20	Saraikela	8	10	194	1	0	10	0	2	248		
21	Simdega	7	7	155	1	0	9	0	1	198		
22	W. Singhbhum	15	25	342	1	1	32	0	0	458		
	TOTAL	194	345	3980	16	12	431	3	28	5510		