

House of Representatives - Analysis of Apportionment Models (Using 2000 Apportionment Census Data)

State	Population	Current Apportionment			Plan A					Plan B				
		House Reprs	Pop. per Rep	Percent Deviation from Avg	Unadj. Reprs	Geometric Mean	Reps (Hill)	Pop. per Rep	% from Avg.	Unadj. Reprs	Geometric Mean	Reps (Hill)	Pop. per Rep	% from Avg.
Montana	905,316	1	905,316	-39.94%	5.66	5.48	6	150,886	5.6%	2.99	2.45	3	301,772	0.1%
Delaware	785,068	1	785,068	-21.35%	4.91	4.47	5	157,014	1.7%	2.59	2.45	3	261,689	13.3%
South Dakota	756,874	1	756,874	-16.99%	4.73	4.47	5	151,375	5.3%	2.50	2.45	3	252,291	16.4%
Utah	2,236,714	3	745,571	-15.24%	13.98	13.49	14	159,765	0.0%	7.38	7.48	7	319,531	-5.8%
Mississippi	2,852,927	4	713,232	-10.24%	17.83	17.49	18	158,496	0.8%	9.42	9.49	9	316,992	-5.0%
Oklahoma	3,458,819	5	691,764	-6.93%	21.62	21.49	22	157,219	1.6%	11.42	11.49	11	314,438	-4.1%
Oregon	3,428,543	5	685,709	-5.99%	21.43	21.49	21	163,264	-2.2%	11.32	11.49	11	311,686	-3.2%
Connecticut	3,409,535	5	681,907	-5.40%	21.31	21.49	21	162,359	-1.6%	11.25	11.49	11	309,958	-2.6%
Indiana	6,090,782	9	676,754	-4.61%	38.07	38.50	38	160,284	-0.3%	20.10	20.49	20	304,539	-0.9%
Kentucky	4,049,431	6	674,905	-4.32%	25.31	25.50	25	161,977	-1.4%	13.36	13.49	13	311,495	-3.2%
Kansas	2,693,824	4	673,456	-4.10%	16.84	16.49	17	158,460	0.8%	8.89	8.49	9	299,314	0.9%
Wisconsin	5,371,210	8	671,401	-3.78%	33.57	33.50	34	157,977	1.1%	17.73	17.49	18	298,401	1.2%
South Carolina	4,025,061	6	670,844	-3.69%	25.16	25.50	25	161,002	-0.7%	13.28	13.49	13	309,620	-2.5%
Arkansas	2,679,733	4	669,933	-3.55%	16.75	16.49	17	157,631	1.4%	8.84	8.49	9	297,748	1.4%
Nevada	2,002,032	3	667,344	-3.15%	12.51	12.49	13	154,002	3.6%	6.61	6.48	7	286,005	5.3%
Michigan	9,955,829	15	663,722	-2.59%	62.22	62.50	62	160,578	-0.5%	32.86	32.50	33	301,692	0.1%
Maryland	5,307,886	8	663,486	-2.56%	33.17	33.50	33	160,845	-0.6%	17.52	17.49	18	294,883	2.3%
Washington	5,908,684	9	656,520	-1.48%	36.93	36.50	37	159,694	0.1%	19.50	19.49	20	295,434	2.2%
New York	19,004,973	29	655,344	-1.30%	118.78	118.50	119	159,706	0.1%	62.72	62.50	63	301,666	0.1%
Illinois	12,439,042	19	654,686	-1.20%	77.74	77.50	78	159,475	0.2%	41.05	41.50	41	303,391	-0.5%
Texas	20,903,994	32	653,250	-0.97%	130.65	130.50	131	159,572	0.1%	68.99	68.50	69	302,956	-0.3%
Idaho	1,297,274	2	648,637	-0.26%	8.11	8.49	8	162,159	-1.5%	4.28	4.47	4	324,319	-7.4%
New Jersey	8,424,354	13	648,027	-0.17%	52.65	52.50	53	158,950	0.5%	27.80	27.50	28	300,870	0.4%
Pennsylvania	12,300,670	19	647,404	-0.07%	76.88	76.50	77	159,749	0.0%	40.60	40.50	41	300,016	0.6%
Virginia	7,100,702	11	645,518	0.22%	44.38	44.50	44	161,380	-1.0%	23.43	23.49	23	308,726	-2.2%
North Dakota	643,756	1	643,756	0.49%	4.02	4.47	4	160,939	-0.7%	2.12	2.45	2	321,878	-6.6%
Arizona	5,140,683	8	642,585	0.67%	32.13	32.50	32	160,646	-0.5%	16.97	16.49	17	302,393	-0.1%
Florida	16,028,890	25	641,156	0.90%	100.18	100.50	100	160,289	-0.3%	52.90	52.50	53	302,432	-0.2%
California	33,930,798	53	640,204	1.04%	212.07	212.50	212	160,051	-0.2%	111.98	111.50	112	302,954	-0.3%
Louisiana	4,480,271	7	640,039	1.07%	28.00	28.50	28	160,010	-0.1%	14.79	14.49	15	298,685	1.1%
Maine	1,277,731	2	638,866	1.25%	7.99	7.48	8	159,716	0.1%	4.22	4.47	4	319,433	-5.8%
Alabama	4,461,130	7	637,304	1.49%	27.88	27.50	28	159,326	0.3%	14.72	14.49	15	297,409	1.5%
Massachusetts	6,355,568	10	635,557	1.76%	39.72	39.50	40	158,889	0.6%	20.98	20.49	21	302,646	-0.2%
Tennessee	5,700,037	9	633,337	2.10%	35.63	35.50	36	158,334	0.9%	18.81	18.49	19	300,002	0.6%
Ohio	11,374,540	18	631,919	2.32%	71.09	71.50	71	160,205	-0.2%	37.54	37.50	38	299,330	0.9%
Georgia	8,206,975	13	631,306	2.42%	51.29	51.50	51	160,921	-0.7%	27.09	27.50	27	303,962	-0.7%
Alaska	628,933	1	628,933	2.79%	3.93	3.46	4	157,233	1.6%	2.08	2.45	2	314,467	-4.1%
Missouri	5,606,260	9	622,918	3.72%	35.04	35.50	35	160,179	-0.2%	18.50	18.49	19	295,066	2.3%
North Carolina	8,067,673	13	620,590	4.07%	50.42	50.50	50	161,353	-1.0%	26.63	26.50	27	298,803	1.0%
New Hampshire	1,238,415	2	619,208	4.29%	7.74	7.48	8	154,802	3.1%	4.09	4.47	4	309,604	-2.5%
Colorado	4,311,882	7	615,983	4.79%	26.95	26.50	27	159,699	0.1%	14.23	14.49	14	307,992	-2.0%
Minnesota	4,925,670	8	615,709	4.83%	30.79	30.50	31	158,893	0.6%	16.26	16.49	16	307,854	-2.0%
Vermont	609,890	1	609,890	5.73%	3.81	3.46	4	152,473	4.6%	2.01	2.45	2	304,945	-1.0%
Hawaii	1,216,642	2	608,321	5.97%	7.60	7.48	8	152,080	4.8%	4.02	4.47	4	304,161	-0.7%
New Mexico	1,823,821	3	607,940	6.03%	11.40	11.49	11	165,802	-3.7%	6.02	6.48	6	303,970	-0.7%
West Virginia	1,813,077	3	604,359	6.58%	11.33	11.49	11	164,825	-3.1%	5.98	5.48	6	302,180	-0.1%
Iowa	2,931,923	5	586,385	9.36%	18.32	18.49	18	162,885	-1.9%	9.68	9.49	10	293,192	2.9%
Nebraska	1,715,369	3	571,790	11.62%	10.72	10.49	11	155,943	2.4%	5.66	5.48	6	285,895	5.3%
Rhode Island	1,049,662	2	524,831	18.88%	6.56	6.48	7	149,952	6.2%	3.46	3.46	4	262,416	13.1%
Wyoming	495,304	1	495,304	23.44%	3.10	3.46	3	165,101	-3.3%	1.63	1.41	2	247,652	18.0%
Subtotals	281,424,177	435	646,952		1,758.9		1,761	159,809		928.8		932	301,957	
D of C	572,059	None												
TOTALS	281,996,236	435			One Rep for Every 160,000					One Rep for Every 303,000				
		Largest head-to-head variance			Largest head-to-head variance					Largest head-to-head variance				
		WY	495,304	410,012	Best		149,952	15,850	Best			247,652	76,667	
		MT	905,316		Worst		165,802		Worst			324,319		
			Head-to-Head=	82.78%			Head-to-Head=	10.57%				Head-to-Head=	30.96%	
			Karcher=	63.38%			Karcher=	9.92%				Karcher=	25.39%	
			Avg Dev=	5.75%			Avg Dev=	1.48%				Avg Dev=	3.12%	
			Avg Dev=	37,227			Avg Dev=	2,372				Avg Dev=	9,409	