

3.2-Fulton PHD Physician Standard Report

Included Counties: Fulton

		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Allergy & Immunology		818,322	20	2.4	820,384	21
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	1.4	11	Surplus: 9	11	Surplus: 10	
Two Mature HMO	1.5	12	Surplus: 8	12	Surplus: 9	
Adjusted FTE	1.4	11	Surplus: 9	11	Surplus: 10	
GMENAC	0.8	7	Surplus: 13	7	Surplus: 14	
Kaiser Portland	1.7	14	Surplus: 6	14	Surplus: 7	
7 Kaiser Plans	1.2	10	Surplus: 10	10	Surplus: 11	
GMH Seattle	1.1	9	Surplus: 11	9	Surplus: 12	
Three HMOs						
Average Requirement	1.3	11	Surplus: 9	11	Surplus: 10	
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Anesthesiology		818,322	209	25.5	820,384	273
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	13.2	108	Surplus: 101	108	Surplus: 165	
Two Mature HMO	9.7	79	Surplus: 130	80	Surplus: 193	
Adjusted FTE	9.1	74	Surplus: 135	75	Surplus: 198	
GMENAC	8.9	73	Surplus: 136	73	Surplus: 200	
Kaiser Portland	5.9	48	Surplus: 161	48	Surplus: 225	
7 Kaiser Plans	3.9	32	Surplus: 177	32	Surplus: 241	
GMH Seattle	9.0	74	Surplus: 135	74	Surplus: 199	
Three HMOs						
Average Requirement	7.8	64	Surplus: 145	64	Surplus: 209	
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Cardiovascular Diseases		818,322	124	15.2	820,384	169
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	7.5	61	Surplus: 63	62	Surplus: 107	
Two Mature HMO	5.4	44	Surplus: 80	44	Surplus: 125	
Adjusted FTE	5.0	41	Surplus: 83	41	Surplus: 128	
GMENAC	3.1	25	Surplus: 99	25	Surplus: 144	
Kaiser Portland	3.0	25	Surplus: 99	25	Surplus: 144	
7 Kaiser Plans	1.8	15	Surplus: 109	15	Surplus: 154	
GMH Seattle	2.9	24	Surplus: 100	24	Surplus: 145	
Three HMOs						
Average Requirement	3.5	29	Surplus: 95	29	Surplus: 140	

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		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Dermatology		818,322	69	8.4	820,384	87
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	3.6	29	Surplus: 40	30	Surplus: 57	
Two Mature HMO	2.8	23	Surplus: 46	23	Surplus: 64	
Adjusted FTE	2.6	21	Surplus: 48	21	Surplus: 66	
GMENAC	2.8	23	Surplus: 46	23	Surplus: 64	
Kaiser Portland	2.5	20	Surplus: 49	21	Surplus: 66	
7 Kaiser Plans	2.4	20	Surplus: 49	20	Surplus: 67	
GMH Seattle	2.6	21	Surplus: 48	21	Surplus: 66	
Three HMOs	1.6	13	Surplus: 56	13	Surplus: 74	
Average Requirement	2.5	20	Surplus: 49	21	Surplus: 66	
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Diagnostic Radiology		818,322	68	8.3	820,384	102
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	8.1	66	Surplus: 2	66	Surplus: 36	
Two Mature HMO						
Adjusted FTE						
GMENAC						
Kaiser Portland						
7 Kaiser Plans						
GMH Seattle						
Three HMOs						
Average Requirement						
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Emergency Medicine		818,322	162	19.8	820,384	237
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	9.5	78	Surplus: 84	78	Surplus: 159	
Two Mature HMO	5.5	45	Surplus: 117	45	Surplus: 192	
Adjusted FTE	5.2	43	Surplus: 119	43	Surplus: 194	
GMENAC	5.4	44	Surplus: 118	44	Surplus: 193	
Kaiser Portland	6.7	55	Surplus: 107	55	Surplus: 182	
7 Kaiser Plans	5.3	43	Surplus: 119	43	Surplus: 194	
GMH Seattle						
Three HMOs						
Average Requirement	5.6	46	Surplus: 116	46	Surplus: 191	

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		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Hematology/Oncology		818,322	39	4.8	820,384	55
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	3.1	25	Surplus: 14	25	Surplus: 30	
Two Mature HMO	2.5	20	Surplus: 19	21	Surplus: 34	
Adjusted FTE	2.4	20	Surplus: 19	20	Surplus: 35	
GMENAC	3.6	29	Surplus: 10	30	Surplus: 25	
Kaiser Portland	2.3	19	Surplus: 20	19	Surplus: 36	
7 Kaiser Plans	1.8	15	Surplus: 24	15	Surplus: 40	
GMH Seattle	1.6	13	Surplus: 26	13	Surplus: 42	
Three HMOs	2.6	21	Surplus: 18	21	Surplus: 34	
Average Requirement	2.4	20	Surplus: 19	20	Surplus: 35	
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Infectious Disease		818,322	55	6.7	820,384	77
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	2.1	17	Surplus: 38	17	Surplus: 60	
Two Mature HMO	0.7	6	Surplus: 49	6	Surplus: 71	
Adjusted FTE	0.6	5	Surplus: 50	5	Surplus: 72	
GMENAC	0.9	7	Surplus: 48	7	Surplus: 70	
Kaiser Portland	1.2	10	Surplus: 45	10	Surplus: 67	
7 Kaiser Plans	0.7	6	Surplus: 49	6	Surplus: 71	
GMH Seattle	0.6	5	Surplus: 50	5	Surplus: 72	
Three HMOs						
Average Requirement	0.8	7	Surplus: 48	7	Surplus: 70	
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Internal Medicine		818,322	602	73.6	820,384	824
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	51.4	421	Surplus: 181	422	Surplus: 402	
Two Mature HMO	21.4	175	Surplus: 427	176	Surplus: 648	
Adjusted FTE	20.0	164	Surplus: 438	164	Surplus: 660	
GMENAC	28.8	236	Surplus: 366	236	Surplus: 588	
Kaiser Portland	28.1	230	Surplus: 372	231	Surplus: 593	
7 Kaiser Plans	30.3	248	Surplus: 354	249	Surplus: 575	
GMH Seattle						
Three HMOs	16.7	137	Surplus: 465	137	Surplus: 687	
Average Requirement	24.2	198	Surplus: 404	199	Surplus: 625	

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		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Nephrology		818,322	36	4.4	820,384	53
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	2.3	19	Surplus: 17		19	Surplus: 34
Two Mature HMO	1.4	11	Surplus: 25		11	Surplus: 42
Adjusted FTE	1.3	11	Surplus: 25		11	Surplus: 42
GMENAC	1.1	9	Surplus: 27		9	Surplus: 44
Kaiser Portland	0.8	7	Surplus: 29		7	Surplus: 46
7 Kaiser Plans	0.7	6	Surplus: 30		6	Surplus: 47
GMH Seattle	0.9	7	Surplus: 29		7	Surplus: 46
Three HMOs						
Average Requirement	1.0	8	Surplus: 28		8	Surplus: 45
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Neurological Surgery		818,322	33	4.0	820,384	49
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	1.8	15	Surplus: 18		15	Surplus: 34
Two Mature HMO	1.1	9	Surplus: 24		9	Surplus: 40
Adjusted FTE	1.0	8	Surplus: 25		8	Surplus: 41
GMENAC	1.1	9	Surplus: 24		9	Surplus: 40
Kaiser Portland	1.4	11	Surplus: 22		11	Surplus: 38
7 Kaiser Plans						
GMH Seattle	0.4	3	Surplus: 30		3	Surplus: 46
Three HMOs						
Average Requirement	1.0	8	Surplus: 25		8	Surplus: 41
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Neurology		818,322	59	7.2	820,384	78
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	4.7	38	Surplus: 21		39	Surplus: 39
Two Mature HMO	2.4	20	Surplus: 39		20	Surplus: 58
Adjusted FTE	2.3	19	Surplus: 40		19	Surplus: 59
GMENAC	3.3	27	Surplus: 32		27	Surplus: 51
Kaiser Portland	1.3	11	Surplus: 48		11	Surplus: 67
7 Kaiser Plans	1.7	14	Surplus: 45		14	Surplus: 64
GMH Seattle	1.2	10	Surplus: 49		10	Surplus: 68
Three HMOs						
Average Requirement	2.0	16	Surplus: 43		16	Surplus: 62

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		2004 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
OB/GYN		818,322	278	34.0	820,384	380	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	14.3	117	Surplus:	161	117	Surplus:	263
Two Mature HMO	12.1	99	Surplus:	179	99	Surplus:	281
Adjusted FTE	11.3	92	Surplus:	186	93	Surplus:	287
GMENAC	9.9	81	Surplus:	197	81	Surplus:	299
Kaiser Portland	11.6	95	Surplus:	183	95	Surplus:	285
7 Kaiser Plans	11.1	91	Surplus:	187	91	Surplus:	289
GMH Seattle	10.0	82	Surplus:	196	82	Surplus:	298
Three HMOs	8.8	72	Surplus:	206	72	Surplus:	308
Average Requirement	10.7	88	Surplus:	190	88	Surplus:	292
		2004 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
Ophthalmology		818,322	89	10.9	820,384	110	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	6.4	52	Surplus:	37	53	Surplus:	57
Two Mature HMO	5.9	48	Surplus:	41	48	Surplus:	62
Adjusted FTE	5.5	45	Surplus:	44	45	Surplus:	65
GMENAC	4.6	38	Surplus:	51	38	Surplus:	72
Kaiser Portland	2.4	20	Surplus:	69	20	Surplus:	90
7 Kaiser Plans	3.1	25	Surplus:	64	25	Surplus:	85
GMH Seattle	5.0	41	Surplus:	48	41	Surplus:	69
Three HMOs							
Average Requirement	4.4	36	Surplus:	53	36	Surplus:	74
		2004 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
Orthopedic Surgery		818,322	131	16.0	820,384	169	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	8.1	66	Surplus:	65	66	Surplus:	103
Two Mature HMO	6.8	56	Surplus:	75	56	Surplus:	113
Adjusted FTE	6.4	52	Surplus:	79	53	Surplus:	116
GMENAC	6.0	49	Surplus:	82	49	Surplus:	120
Kaiser Portland	5.9	48	Surplus:	83	48	Surplus:	121
7 Kaiser Plans	4.2	34	Surplus:	97	34	Surplus:	135
GMH Seattle	6.7	55	Surplus:	76	55	Surplus:	114
Three HMOs	3.0	25	Surplus:	106	25	Surplus:	144
Average Requirement	5.6	46	Surplus:	85	46	Surplus:	123

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		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Otolaryngology		818,322	59	7.2	820,384	78
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	3.4	28	Surplus: 31	28	Surplus: 50	
Two Mature HMO	3.2	26	Surplus: 33	26	Surplus: 52	
Adjusted FTE						
GMENAC	3.2	26	Surplus: 33	26	Surplus: 52	
Kaiser Portland	3.4	28	Surplus: 31	28	Surplus: 50	
7 Kaiser Plans	2.4	20	Surplus: 39	20	Surplus: 58	
GMH Seattle	3.0	25	Surplus: 34	25	Surplus: 53	
Three HMOs						
Average Requirement	3.0	25	Surplus: 34	25	Surplus: 53	
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Pathology		818,322	70	8.6	820,384	89
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	6.3	52	Surplus: 18	52	Surplus: 37	
Two Mature HMO	1.9	16	Surplus: 54	16	Surplus: 73	
Adjusted FTE	1.8	15	Surplus: 55	15	Surplus: 74	
GMENAC	6.4	52	Surplus: 18	53	Surplus: 36	
Kaiser Portland	3.3	27	Surplus: 43	27	Surplus: 62	
7 Kaiser Plans	1.8	15	Surplus: 55	15	Surplus: 74	
GMH Seattle						
Three HMOs						
Average Requirement	3.0	25	Surplus: 45	25	Surplus: 64	
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Pediatrics		818,322	325	39.7	820,384	432
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	23.9	196	Surplus: 129	196	Surplus: 236	
Two Mature HMO	16.6	136	Surplus: 189	136	Surplus: 296	
Adjusted FTE	15.5	127	Surplus: 198	127	Surplus: 305	
GMENAC	12.4	101	Surplus: 224	102	Surplus: 330	
Kaiser Portland	11.9	97	Surplus: 228	98	Surplus: 334	
7 Kaiser Plans	16.1	132	Surplus: 193	132	Surplus: 300	
GMH Seattle						
Three HMOs	9.8	80	Surplus: 245	80	Surplus: 352	
Average Requirement	13.7	112	Surplus: 213	112	Surplus: 320	

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		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Plastic Surgery		818,322	66	8.1	820,384	89
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	2.3	19	Surplus: 47	19	Surplus: 70	
Two Mature HMO						
Adjusted FTE						
GMENAC	1.1	9	Surplus: 57	9	Surplus: 80	
Kaiser Portland	0.3	2	Surplus: 64	2	Surplus: 87	
7 Kaiser Plans						
GMH Seattle	0.4	3	Surplus: 63	3	Surplus: 86	
Three HMOs						
Average Requirement	0.6	5	Surplus: 61	5	Surplus: 84	
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Psychiatry		818,322	222	27.1	820,384	285
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	13.7	112	Surplus: 110	112	Surplus: 173	
Two Mature HMO						
Adjusted FTE						
GMENAC	15.4	126	Surplus: 96	126	Surplus: 159	
Kaiser Portland	5.2	43	Surplus: 179	43	Surplus: 242	
7 Kaiser Plans	4.1	34	Surplus: 188	34	Surplus: 251	
GMH Seattle						
Three HMOs						
Average Requirement	7.1	58	Surplus: 164	58	Surplus: 227	
		2004 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Pulmonary Diseases		818,322	34	4.2	820,384	46
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	3.3	27	Surplus: 7	27	Surplus: 19	
Two Mature HMO						
Adjusted FTE						
GMENAC	1.4	11	Surplus: 23	11	Surplus: 35	
Kaiser Portland	1.4	11	Surplus: 23	11	Surplus: 35	
7 Kaiser Plans	1.0	8	Surplus: 26	8	Surplus: 38	
GMH Seattle	1.4	11	Surplus: 23	11	Surplus: 35	
Three HMOs						
Average Requirement	1.5	12	Surplus: 22	12	Surplus: 34	

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		2004 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
Radiology		818,322	100	12.2	820,384	130	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	3.0	25	Surplus:	75	25	Surplus:	105
Two Mature HMO	13.6	111	Deficit:	-11	112	Surplus:	18
Adjusted FTE	13.7	112	Deficit:	-12	112	Surplus:	18
GMENAC	7.7	63	Surplus:	37	63	Surplus:	67
Kaiser Portland	8.5	70	Surplus:	30	70	Surplus:	60
7 Kaiser Plans	4.7	38	Surplus:	62	39	Surplus:	91
GMH Seattle	7.7	63	Surplus:	37	63	Surplus:	67
Three HMOs							
Average Requirement	9.3	76	Surplus:	24	76	Surplus:	54
		2004 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
Rheumatology		818,322	23	2.8	820,384	31	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	1.4	11	Surplus:	12	11	Surplus:	20
Two Mature HMO	1.1	9	Surplus:	14	9	Surplus:	22
Adjusted FTE	1.0	8	Surplus:	15	8	Surplus:	23
GMENAC	0.7	6	Surplus:	17	6	Surplus:	25
Kaiser Portland	0.4	3	Surplus:	20	3	Surplus:	28
7 Kaiser Plans	0.7	6	Surplus:	17	6	Surplus:	25
GMH Seattle	0.7	6	Surplus:	17	6	Surplus:	25
Three HMOs							
Average Requirement	0.8	7	Surplus:	16	7	Surplus:	24
		2004 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
General Surgery		818,322	133	16.3	820,384	180	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	12.8	105	Surplus:	28	105	Surplus:	75
Two Mature HMO	9.4	77	Surplus:	56	77	Surplus:	103
Adjusted FTE	8.8	72	Surplus:	61	72	Surplus:	108
GMENAC	9.7	79	Surplus:	54	80	Surplus:	100
Kaiser Portland	7.0	57	Surplus:	76	57	Surplus:	123
7 Kaiser Plans	6.2	51	Surplus:	82	51	Surplus:	129
GMH Seattle	5.9	48	Surplus:	85	48	Surplus:	132
Three HMOs	4.2	34	Surplus:	99	34	Surplus:	146
Average Requirement	7.3	60	Surplus:	73	60	Surplus:	120

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		2004 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
Thoracic Surgery		818,322	30	3.7	820,384	42	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	1.7	14	Surplus: 16		14	Surplus: 28	
Two Mature HMO							
Adjusted FTE							
GMENAC	0.8	7	Surplus: 23		7	Surplus: 35	
Kaiser Portland							
7 Kaiser Plans	0.1	1	Surplus: 29		1	Surplus: 41	
GMH Seattle							
Three HMOs							
Average Requirement	0.5	4	Surplus: 26		4	Surplus: 38	
		2004 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
Urology		818,322	48	5.9	820,384	58	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	3.6	29	Surplus: 19		30	Surplus: 28	
Two Mature HMO							
Adjusted FTE							
GMENAC	3.1	25	Surplus: 23		25	Surplus: 33	
Kaiser Portland							
7 Kaiser Plans	2.3	19	Surplus: 29		19	Surplus: 39	
GMH Seattle							
Three HMOs							
Average Requirement	3.1	25	Surplus: 23		25	Surplus: 33	

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Report created by Georgia Board for Physician Workforce, State of Georgia

*Standards are presented as rates per 100,000 population.

- (1) McClendon, B., R. Polizer, E. Christain, and E. Fernandez. 1997. Downsizing the Physician Workforce. Public Health Reports. May/June 112:231-239.
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- (5) Hart, L., E. Wagner, J. Parzada, A. Nelson, and R. Rosenblat. 1997. Physician Staffing Ratios in Staff- Model HMO's: A Cautionary Tale, Health Affairs 16, no. 1:55-70.
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- (8) Kronick, R., D.C. Goodman, J. Wennberg, and E. Wagner. 1993. The Marketplace in Health Care Reform: The Demographic Limitations of Managed Competition. New England Journal of Medicine 328:1480-152. See also, related NAPS Document 04998.
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