

39 PCSA Physician Standard Report

Included Counties: Clayton

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Allergy & Immunology		265,503	1	0.4	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.4	4	Deficit: -3	4	
Two Mature HMO	1.5	4	Deficit: -3	5	
Adjusted FTE	1.4	4	Deficit: -3	4	
GMENAC	0.8	2	Deficit: -1	2	
Kaiser Portland	1.7	5	Deficit: -4	5	
7 Kaiser Plans	1.2	3	Deficit: -2	4	
GHC Seattle	1.1	3	Deficit: -2	3	
Three HMOs					
Goodman	1.3	3	Deficit: -2	4	
Hicks & Glenn					
Solucient	1.7	5	Deficit: -4	5	
Average Requirement	1.3	3	Deficit: -2	4	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Anesthesiology		265,503	14	5.3	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	37	Deficit: -23	43	
Two Mature HMO	9.7	26	Deficit: -12	30	
Adjusted FTE	9.1	24	Deficit: -10	28	
GMENAC	8.9	24	Deficit: -10	27	
Kaiser Portland	5.9	16	Deficit: -2	18	
7 Kaiser Plans	3.9	10	Surplus: 4	12	
GHC Seattle	9.0	24	Deficit: -10	28	
Three HMOs					
Goodman	7.0	19	Deficit: -5	22	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	20	Deficit: -6	23	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Cardiovascular Diseases	265,503	14	5.3	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	7.5	20	Deficit: -6	23
Two Mature HMO	5.4	14	Adequate 0	17
Adjusted FTE	5.0	13	Surplus: 1	15
GMENAC	3.1	8	Surplus: 6	10
Kaiser Portland	3.0	8	Surplus: 6	9
7 Kaiser Plans	1.8	5	Surplus: 9	6
GHC Seattle	2.9	8	Surplus: 6	9
Three HMOs				
Goodman	3.6	10	Surplus: 4	11
Hicks & Glenn	2.6	7	Surplus: 7	8
Solucient	4.2	11	Surplus: 3	13
Average Requirement	3.5	9	Surplus: 5	11

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Dermatology	265,503	2	0.8	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.7	10	Deficit: -8	11
Two Mature HMO	2.8	7	Deficit: -5	9
Adjusted FTE	2.6	7	Deficit: -5	8
GMENAC	2.8	7	Deficit: -5	9
Kaiser Portland	2.5	7	Deficit: -5	8
7 Kaiser Plans	2.4	6	Deficit: -4	7
GHC Seattle	2.6	7	Deficit: -5	8
Three HMOs	1.6	4	Deficit: -2	5
Goodman	1.4	4	Deficit: -2	4
Hicks & Glenn	2.1	6	Deficit: -4	6
Solucient	3.1	8	Deficit: -6	10
Average Requirement	2.4	6	Deficit: -4	7

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Emergency Medicine		265,503	14	5.3	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	28	Deficit: -14	32	
Two Mature HMO	5.5	15	Deficit: -1	17	
Adjusted FTE	5.2	14	Adequate 0	16	
GMENAC	5.4	14	Adequate 0	17	
Kaiser Portland	6.7	18	Deficit: -4	21	
7 Kaiser Plans	5.3	14	Adequate 0	16	
GHC Seattle					
Three HMOs					
Goodman	2.7	7	Surplus: 7	8	
Hicks & Glenn					
Solucient	12.4	33	Deficit: -19	38	
Average Requirement	6.2	16	Deficit: -2	19	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Endocrinology, Diabetes & Metabolism		265,503	1	0.4	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.8	5	Deficit: -4	6	
Two Mature HMO	1.1	3	Deficit: -2	3	
Adjusted FTE	1.0	3	Deficit: -2	3	
GMENAC	0.8	2	Deficit: -1	2	
Kaiser Portland	0.9	2	Deficit: -1	3	
7 Kaiser Plans	1.1	3	Deficit: -2	3	
GHC Seattle					
Three HMOs	0.6	2	Deficit: -1	2	
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.9	2	Deficit: -1	3	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Family Practice		265,503	32	12.1	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	84	Deficit: -52	97	
Two Mature HMO	45.6	121	Deficit: -89	141	
Adjusted FTE	42.6	113	Deficit: -81	131	
GMENAC	25.2	67	Deficit: -35	78	
Kaiser Portland	16.7	44	Deficit: -12	51	
7 Kaiser Plans	11.0	29	Surplus: 3	34	
GHC Seattle					
Three HMOs	9.2	24	Surplus: 8	28	
Goodman					
Hicks & Glenn	16.2	43	Deficit: -11	50	
Solucient	22.5	60	Deficit: -28	69	
Average Requirement	23.6	63	Deficit: -31	73	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Gastroenterology		265,503	5	1.9	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	11	Deficit: -6	13	
Two Mature HMO	3.1	8	Deficit: -3	10	
Adjusted FTE					
GMENAC	3.2	8	Deficit: -3	10	
Kaiser Portland	1.7	5	Adequate 0	5	
7 Kaiser Plans	1.7	5	Adequate 0	5	
GHC Seattle					
Three HMOs					
Goodman	1.3	3	Surplus: 2	4	
Hicks & Glenn					
Solucient	3.5	9	Deficit: -4	11	
Average Requirement	2.4	6	Deficit: -1	7	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Infectious Disease		265,503	3	1.1	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.2	6	Deficit: -3	7	
Two Mature HMO	0.7	2	Surplus: 1	2	
Adjusted FTE	0.6	2	Surplus: 1	2	
GMENAC	0.9	2	Surplus: 1	3	
Kaiser Portland	1.2	3	Adequate 0	4	
7 Kaiser Plans	0.7	2	Surplus: 1	2	
GHC Seattle	0.6	2	Surplus: 1	2	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.8	2	Surplus: 1	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Internal Medicine		265,503	44	16.6	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	141	Deficit: -97	164	
Two Mature HMO	21.4	57	Deficit: -13	66	
Adjusted FTE	20.0	53	Deficit: -9	62	
GMENAC	28.8	76	Deficit: -32	89	
Kaiser Portland	28.1	75	Deficit: -31	87	
7 Kaiser Plans	30.3	80	Deficit: -36	93	
GHC Seattle					
Three HMOs	16.7	44	Adequate 0	51	
Goodman					
Hicks & Glenn	11.3	30	Surplus: 14	35	
Solucient	19.0	50	Deficit: -6	59	
Average Requirement	22.0	58	Deficit: -14	68	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Nephrology	265,503	5	1.9	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	2.6	7	Deficit: -2	8
Two Mature HMO	1.4	4	Surplus: 1	4
Adjusted FTE	1.3	3	Surplus: 2	4
GMENAC	1.1	3	Surplus: 2	3
Kaiser Portland	0.8	2	Surplus: 3	2
7 Kaiser Plans	0.7	2	Surplus: 3	2
GHC Seattle	0.9	2	Surplus: 3	3
Three HMOs				
Goodman				
Hicks & Glenn				
Solucient	0.7	2	Surplus: 3	2
Average Requirement	1.0	3	Surplus: 2	3

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Neurological Surgery	265,503	1	0.4	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	1.9	5	Deficit: -4	6
Two Mature HMO	1.1	3	Deficit: -2	3
Adjusted FTE	1.0	3	Deficit: -2	3
GMENAC	1.1	3	Deficit: -2	3
Kaiser Portland	1.4	4	Deficit: -3	4
7 Kaiser Plans				
GHC Seattle	0.4	1	Adequate 0	1
Three HMOs				
Goodman	0.7	2	Deficit: -1	2
Hicks & Glenn				
Solucient				
Average Requirement	1.0	3	Deficit: -2	3

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Neurology		265,503	7	2.6	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	13	Deficit: -6	15	
Two Mature HMO	2.4	6	Surplus: 1	7	
Adjusted FTE	2.3	6	Surplus: 1	7	
GMENAC	3.3	9	Deficit: -2	10	
Kaiser Portland	1.3	3	Surplus: 4	4	
7 Kaiser Plans	1.7	5	Surplus: 2	5	
GHC Seattle	1.2	3	Surplus: 4	4	
Three HMOs					
Goodman	2.1	6	Surplus: 1	6	
Hicks & Glenn	1.4	4	Surplus: 3	4	
Solucient	1.8	5	Surplus: 2	6	
Average Requirement	1.9	5	Surplus: 2	6	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
OB/GYN		265,503	20	7.5	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	37	Deficit: -17	43	
Two Mature HMO	12.1	32	Deficit: -12	37	
Adjusted FTE	11.3	30	Deficit: -10	35	
GMENAC	9.9	26	Deficit: -6	31	
Kaiser Portland	11.6	31	Deficit: -11	36	
7 Kaiser Plans	11.5	31	Deficit: -11	35	
GHC Seattle	10.0	27	Deficit: -7	31	
Three HMOs	8.8	23	Deficit: -3	27	
Goodman	8.4	22	Deficit: -2	26	
Hicks & Glenn	8.0	21	Deficit: -1	25	
Solucient	10.2	27	Deficit: -7	31	
Average Requirement	10.2	27	Deficit: -7	31	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Ophthalmology		265,503	8	3.0	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	16	Deficit: -8	18	
Two Mature HMO	5.9	16	Deficit: -8	18	
Adjusted FTE	5.5	15	Deficit: -7	17	
GMENAC	4.6	12	Deficit: -4	14	
Kaiser Portland	2.4	6	Surplus: 2	7	
7 Kaiser Plans	3.1	8	Adequate 0	10	
GHC Seattle	5.0	13	Deficit: -5	15	
Three HMOs					
Goodman	3.5	9	Deficit: -1	11	
Hicks & Glenn	3.2	8	Adequate 0	10	
Solucient	4.7	13	Deficit: -5	15	
Average Requirement	4.2	11	Deficit: -3	13	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Orthopedic Surgery		265,503	12	4.5	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	22	Deficit: -10	26	
Two Mature HMO	6.8	18	Deficit: -6	21	
Adjusted FTE	6.4	17	Deficit: -5	20	
GMENAC	6.0	16	Deficit: -4	18	
Kaiser Portland	5.9	16	Deficit: -4	18	
7 Kaiser Plans	4.2	11	Surplus: 1	13	
GHC Seattle	6.7	18	Deficit: -6	21	
Three HMOs	3.0	8	Surplus: 4	9	
Goodman	5.9	16	Deficit: -4	18	
Hicks & Glenn	4.2	11	Surplus: 1	13	
Solucient	6.1	16	Deficit: -4	19	
Average Requirement	5.5	15	Deficit: -3	17	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Otolaryngology		265,503	8	3.0	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	9	Deficit: -1	10	
Two Mature HMO	3.2	8	Adequate 0	10	
Adjusted FTE					
GMENAC	3.2	8	Adequate 0	10	
Kaiser Portland	3.4	9	Deficit: -1	10	
7 Kaiser Plans	2.4	6	Surplus: 2	7	
GHC Seattle	3.0	8	Adequate 0	9	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	8	Adequate 0	9	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Pathology		265,503	6	2.3	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	17	Deficit: -11	19	
Two Mature HMO	1.9	5	Surplus: 1	6	
Adjusted FTE	1.8	5	Surplus: 1	6	
GMENAC	6.4	17	Deficit: -11	20	
Kaiser Portland	3.3	9	Deficit: -3	10	
7 Kaiser Plans	1.8	5	Surplus: 1	6	
GHC Seattle					
Three HMOs					
Goodman	4.1	11	Deficit: -5	13	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	8	Deficit: -2	10	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Pediatrics		265,503	37	13.9	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	66	Deficit: -29	77	
Two Mature HMO	16.6	44	Deficit: -7	51	
Adjusted FTE	15.5	41	Deficit: -4	48	
GMENAC	12.4	33	Surplus: 4	38	
Kaiser Portland	11.9	32	Surplus: 5	37	
7 Kaiser Plans	16.0	42	Deficit: -5	49	
GHC Seattle					
Three HMOs	9.8	26	Surplus: 11	30	
Goodman					
Hicks & Glenn	7.6	20	Surplus: 17	23	
Solucient	13.9	37	Adequate 0	43	
Average Requirement	13.0	35	Surplus: 2	40	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Plastic Surgery		265,503	1	0.4	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.4	6	Deficit: -5	7	
Two Mature HMO					
Adjusted FTE					
GMENAC	1.1	3	Deficit: -2	3	
Kaiser Portland	0.3	1	Adequate 0	1	
7 Kaiser Plans					
GHC Seattle	0.4	1	Adequate 0	1	
Three HMOs					
Goodman	1.1	3	Deficit: -2	3	
Hicks & Glenn	2.3	6	Deficit: -5	7	
Solucient	2.2	6	Deficit: -5	7	
Average Requirement	1.2	3	Deficit: -2	4	

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Included Counties: Clayton

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Psychiatry		265,503	14	5.3	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	13.6	36	Deficit: -22		42
Two Mature HMO	7.7	20	Deficit: -6		24
Adjusted FTE	7.2	19	Deficit: -5		22
GMENAC	15.4	41	Deficit: -27		47
Kaiser Portland	5.2	14	Adequate 0		16
7 Kaiser Plans	4.1	11	Surplus: 3		13
GHC Seattle					
Three HMOs					
Goodman	7.2	19	Deficit: -5		22
Hicks & Glenn	3.9	10	Surplus: 4		12
Solucient	5.7	15	Deficit: -1		18
Average Requirement	7.1	19	Deficit: -5		22

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Pulmonary Diseases		265,503	7	2.6	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	3.5	9	Deficit: -2		11
Two Mature HMO	2.0	5	Surplus: 2		6
Adjusted FTE	1.9	5	Surplus: 2		6
GMENAC	1.4	4	Surplus: 3		4
Kaiser Portland	1.4	4	Surplus: 3		4
7 Kaiser Plans	1.0	3	Surplus: 4		3
GHC Seattle	1.4	4	Surplus: 3		4
Three HMOs					
Goodman	1.4	4	Surplus: 3		4
Hicks & Glenn					
Solucient	1.3	3	Surplus: 4		4
Average Requirement	1.5	4	Surplus: 3		5

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Radiology		265,503	16	6.0	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	30	Deficit: -14	35	
Two Mature HMO	13.6	36	Deficit: -20	42	
Adjusted FTE	13.7	36	Deficit: -20	42	
GMENAC	7.7	20	Deficit: -4	24	
Kaiser Portland	8.5	23	Deficit: -7	26	
7 Kaiser Plans	4.7	12	Surplus: 4	14	
GHC Seattle	7.7	20	Deficit: -4	24	
Three HMOs					
Goodman	8.0	21	Deficit: -5	25	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	24	Deficit: -8	28	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Rheumatology		265,503	2	0.8	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	4	Deficit: -2	5	
Two Mature HMO	1.1	3	Deficit: -1	3	
Adjusted FTE	1.0	3	Deficit: -1	3	
GMENAC	0.7	2	Adequate 0	2	
Kaiser Portland	0.4	1	Surplus: 1	1	
7 Kaiser Plans	0.7	2	Adequate 0	2	
GHC Seattle	0.7	2	Adequate 0	2	
Three HMOs					
Goodman	0.4	1	Surplus: 1	1	
Hicks & Glenn					
Solucient	1.3	4	Deficit: -2	4	
Average Requirement	0.8	2	Adequate 0	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
General Surgery		265,503	16	6.0	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	33	Deficit: -17	39	
Two Mature HMO	9.4	25	Deficit: -9	29	
Adjusted FTE	8.8	23	Deficit: -7	27	
GMENAC	9.7	26	Deficit: -10	30	
Kaiser Portland	7.0	19	Deficit: -3	22	
7 Kaiser Plans	6.2	16	Adequate 0	19	
GHC Seattle	5.9	16	Adequate 0	18	
Three HMOs	4.2	11	Surplus: 5	13	
Goodman	9.7	26	Deficit: -10	30	
Hicks & Glenn	4.1	11	Surplus: 5	13	
Solucient	6.0	16	Adequate 0	19	
Average Requirement	7.1	19	Deficit: -3	22	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Urology		265,503	7	2.6	308,321
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	9	Deficit: -2	11	
Two Mature HMO	3.5	9	Deficit: -2	11	
Adjusted FTE	3.3	9	Deficit: -2	10	
GMENAC	3.1	8	Deficit: -1	10	
Kaiser Portland	3.3	9	Deficit: -2	10	
7 Kaiser Plans	2.3	6	Surplus: 1	7	
GHC Seattle	2.9	8	Deficit: -1	9	
Three HMOs					
Goodman	2.6	7	Adequate 0	8	
Hicks & Glenn	1.9	5	Surplus: 2	6	
Solucient	2.9	8	Deficit: -1	9	
Average Requirement	2.9	8	Deficit: -1	9	

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Included Counties: Clayton

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.
- (2) Graduate Medical Education National Advisory Committee Summary Report. 1981. Pub. No. (HRA) 81-651. Washington: Government Printing Office.
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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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