		2	008 Actual		2015 Projected
Physician Specialty Emergency Medicine		Population	Physicians 1	/100k 4.6	Population 28,251
		21,602			
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
AMA	10.5	2	Deficit:	-1	3
Two Mature HMO	5.5	1	Adequate	0	2
Adjusted FTE	5.2	1	Adequate	0	1
GMENAC	5.4	1	Adequate	0	2
Kaiser Portland	6.7	1	Adequate	0	1
7 Kaiser Plans	5.3	1	Adequate	0	1
GHC Seattle					
Three HMOs					
Goodman	2.7	1	Adequate	0	1
Hicks & Glenn					
Solucient	12.4	3	Deficit:	-2	4
Average Requirement	6.2	1	Adequate	0	2

			2	008 Actual		2015 Projected
Physic	Physician Specialty		Population	Physicians	/100k	Population 28,251
Family	Family Practice		21,602	9	41.7	
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
	AMA	31.5	7	Surplus:	2	9
	Two Mature HMO	45.6	10	Deficit:	-1	13
	Adjusted FTE	42.6	9	Adequate	0	12
	GMENAC	25.2	5	Surplus:	4	7
	Kaiser Portland	16.7	4	Surplus:	5	3
	7 Kaiser Plans	11.0	2	Surplus:	7	3
	GHC Seattle					
	Three HMOs	9.2	2	Surplus:	7	3
	Goodman					
	Hicks & Glenn	16.2	3	Surplus:	6	5
	Solucient	22.5	5	Surplus:	4	6
	Average Requirement	23.6	5	Surplus:	4	7

			2	008 Actual		2015 Projected
Physician	Physician Specialty Internal Medicine		Population 21,602	Physicians 1	/100k 4.6	Population 28,251
Internal N						
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
,	AMA	53.1	11	Deficit:	-10	15
•	Two Mature HMO	21.4	5	Deficit:	-4	6
	Adjusted FTE	20.0	4	Deficit:	-3	6
	GMENAC	28.8	6	Deficit:	-5	8
	Kaiser Portland	28.1	6	Deficit:	-5	9
•	7 Kaiser Plans	30.3	7	Deficit:	-6	9
	GHC Seattle					
	Three HMOs	16.7	4	Deficit:	-3	5
,	Goodman					
,	Hicks & Glenn	11.3	2	Deficit:	-1	3
	Solucient	19.0	4	Deficit:	-3	5
	Average Requirement	22.0	5	Deficit:	-4	6

			2	008 Actual		2015 Projected
Physician Specialty			Population	Physicians	/100k	Population
Orthopedic Surgery			21,602	1	4.6	28,251
National Phy Standards*	/sician Phys/	Standard 100,000 Pop.	Physician Need	Stat	tus	Physician Need
AMA		8.3	2	Deficit:	-1	2
Two Mature	НМО	6.8	1	Adequate	0	2
Adjusted FT	E	6.4	1	Adequate	0	2
GMENAC		6.0	1	Adequate	0	2
Kaiser Portla	and	5.9	1	Adequate	0	1
7 Kaiser Pla	ns	4.2	1	Adequate	0	1
GHC Seattle)	6.7	1	Adequate	0	2
Three HMOs	S	3.0	1	Adequate	0	1
Goodman		5.9	1	Adequate	0	2
Hicks & Gler	nn	4.2	1	Adequate	0	1
Solucient		6.1	1	Adequate	0	2
Average Re	quirement	5.5	1	Adequate	0	2

			2	008 Actual		2015 Projected
Physicia	Physician Specialty Otolaryngology		Population	Physicians	/100k	Population
Otolaryr			21,602	1	4.6	28,251
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
	AMA	3.4	1	Adequate	0	1
	Two Mature HMO	3.2	1	Adequate	0	1
	Adjusted FTE					
	GMENAC	3.2	1	Adequate	0	1
	Kaiser Portland	3.4	1	Adequate	0	1
	7 Kaiser Plans	2.4	1	Adequate	0	1
	GHC Seattle	3.0	1	Adequate	0	1
	Three HMOs					
	Goodman					
	Hicks & Glenn					
	Solucient					
	Average Requirement	3.0	1	Adequate	0	1

			2	008 Actual		2015 Projected
Physician	Physician Specialty		Population	Physicians	/100k	Population
Pediatric	Pediatrics		21,602	3	13.9	28,251
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
,	AMA	24.9	5	Deficit:	-2	7
•	Two Mature HMO	16.6	4	Deficit:	-1	5
	Adjusted FTE	15.5	3	Adequate	0	4
,	GMENAC	12.4	3	Adequate	0	4
	Kaiser Portland	11.9	3	Adequate	0	5
	7 Kaiser Plans	16.0	3	Adequate	0	5
	GHC Seattle					
	Three HMOs	9.8	2	Surplus:	1	3
	Goodman					
,	Hicks & Glenn	7.6	2	Surplus:	1	2
,	Solucient	13.9	3	Adequate	0	4
	Average Requirement	13.0	3	Adequate	0	4

		2	008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Psychiatry		21,602	1	4.6	28,251
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
AMA	13.6	3	Deficit:	-2	4
Two Mature HMO	7.7	2	Deficit:	-1	2
Adjusted FTE	7.2	2	Deficit:	-1	2
GMENAC	15.4	3	Deficit:	-2	4
Kaiser Portland	5.2	1	Adequate	0	1
7 Kaiser Plans	4.1	1	Adequate	0	1
GHC Seattle					
Three HMOs					
Goodman	7.2	2	Deficit:	-1	2
Hicks & Glenn	3.9	1	Adequate	0	1
Solucient	5.7	1	Adequate	0	2
Average Requirement	7.1	2	Deficit:	-1	2

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- (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.
- (3) American Medical Association. 1996. Physician Characteristics and Distribution in the US: 1995/1996. Chicago.
- (4) American Osteopathic Association. 1993. 1994 Yearbook and Directory of Osteopathic Physicians. Chicago.
- (5) Hart, L., E. Wagner, J. Parzada, A.Nelson, and R.Rosenblah. 1997. Physician Staffing Ratios in Staff- Model HMO's: A Cautionary Tale, Health Affairs 16, no. 1:55-70.
- (6) Weiner, J.P. 1994 Forecasting the Effects of Health Reform on U.S. Physician Workforce Requirement. JAMA 272, no. 3:222-230.
- (7) Steinwachs, D., J.P. Weiner, S. Shapiro, et al. 1986. A Comparison of the Requirements for Primary Care Physicians in with Projections Made by the Graduate Medical National Advisory Committee. New England Journal of Medicine 314:217-222.
- (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 328:1480152. See also, related NAPS Document 04998.
- (9) Vansdow, N.A. The Physician Workforce: Issues for Academic Medical Centers. Forum on the Future of Academic Medicine. December 2, 1996.
- (10) Forte, G.J., Dionne, M., Beaulieu, M., and Salsberg, E. Profile of New York State Physicians. Rensselaer, NY: Center for Health Workforce Studies, School of Public Health, SUNY Albany. April 2001.
- (11) A Review of Physician-to-Population Ratios. Merritt Hawkins & Associates. GMENAC, Goodman (Dec. 11, 1996 JAMA), Hicks & Glenn (1989 Journal of Health Care Management), Solucient (2003).
- (12) American Medical Association. Physician Characteristics and Distribution in the US, 2010 Edition; 2010.

^{*}Standards are presented as rates per 100,000 population