		20	008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Cardiovascular Diseases		36,356	1	2.8	38,953
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	;	Physician Need
AMA	7.5	3	Deficit:	-2	3
Two Mature HMO	5.4	2	Deficit:	-1	2
Adjusted FTE	5.0	2	Deficit:	-1	2
GMENAC	3.1	1	Adequate	0	1
Kaiser Portland	3.0	1	Adequate	0	1
7 Kaiser Plans	1.8	1	Adequate	0	1
GHC Seattle	2.9	1	Adequate	0	1
Three HMOs					
Goodman	3.6	1	Adequate	0	1
Hicks & Glenn	2.6	1	Adequate	0	1
Solucient	4.2	2	Deficit:	-1	2
Average Requirement	3.5	1	Adequate	0	1

			2	008 Actual		2015 Projected
Physic	cian Specialty		Population	Physicians	/100k	Population
Emerg	gency Medicine		36,356	1	2.8	38,953
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Statu	S	Physician Need
	AMA	10.5	4	Deficit:	-3	4
	Two Mature HMO	5.5	2	Deficit:	-1	2
	Adjusted FTE	5.2	2	Deficit:	-1	2
	GMENAC	5.4	2	Deficit:	-1	2
	Kaiser Portland	6.7	2	Deficit:	-1	3
	7 Kaiser Plans	5.3	2	Deficit:	-1	2
	GHC Seattle					
	Three HMOs					
	Goodman	2.7	1	Adequate	0	1
	Hicks & Glenn					
	Solucient	12.4	5	Deficit:	-4	5
	Average Requirement	6.2	2	Deficit:	-1	2

		20	008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Family Practice		36,356	8	22.0	38,953
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	6	Physician Need
AMA	31.5	11	Deficit:	-3	12
Two Mature HMO	45.6	17	Deficit:	-9	18
Adjusted FTE	42.6	15	Deficit:	-7	17
GMENAC	25.2	9	Deficit:	-1	10
Kaiser Portland	16.7	6	Surplus:	2	7
7 Kaiser Plans	11.0	4	Surplus:	4	4
GHC Seattle					
Three HMOs	9.2	3	Surplus:	5	4
Goodman					
Hicks & Glenn	16.2	6	Surplus:	2	6
Solucient	22.5	8	Adequate	0	9
Average Requirement	23.6	9	Deficit:	-1	9

			2	008 Actual		2015 Projected
Physic	cian Specialty		Population	Physicians	/100k	Population
Intern	al Medicine		36,356	9	24.8	38,953
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	S	Physician Need
	AMA	53.1	19	Deficit:	-10	21
	Two Mature HMO	21.4	8	Surplus:	1	8
	Adjusted FTE	20.0	7	Surplus:	2	8
	GMENAC	28.8	10	Deficit:	-1	11
	Kaiser Portland	28.1	10	Deficit:	-1	11
	7 Kaiser Plans	30.3	11	Deficit:	-2	12
	GHC Seattle					
	Three HMOs	16.7	6	Surplus:	3	7
	Goodman					
	Hicks & Glenn	11.3	4	Surplus:	5	4
	Solucient	19.0	7	Surplus:	2	7
	Average Requirement	22.0	8	Surplus:	1	9

		20	008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Nephrology		36,356	1	2.8	38,953
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
AMA	2.6	1	Adequate	0	1
Two Mature HMO	1.4	1	Adequate	0	1
Adjusted FTE	1.3	0	Surplus:	1	1
GMENAC	1.1	0	Surplus:	1	0
Kaiser Portland	0.8	0	Surplus:	1	0
7 Kaiser Plans	0.7	0	Surplus:	1	0
GHC Seattle	0.9	0	Surplus:	1	0
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	0	Surplus:	1	0
Average Requirement	1.0	0	Surplus:	1	0

			2	008 Actual		2015 Projected
Physicia	n Specialty		Population	Physicians	/100k	Population
Neurolo	gy		36,356	1	2.8	38,953
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	S	Physician Need
	AMA	5.0	2	Deficit:	-1	2
	Two Mature HMO	2.4	1	Adequate	0	1
	Adjusted FTE	2.3	1	Adequate	0	1
	GMENAC	3.3	1	Adequate	0	1
	Kaiser Portland	1.3	0	Surplus:	1	1
	7 Kaiser Plans	1.7	1	Adequate	0	1
	GHC Seattle	1.2	0	Surplus:	1	0
	Three HMOs					
	Goodman	2.1	1	Adequate	0	1
	Hicks & Glenn	1.4	1	Adequate	0	1
	Solucient	1.8	1	Adequate	0	1
	Average Requirement	1.9	1	Adequate	0	1

			2	008 Actual		2015 Projecte
Physician	Specialty		Population	Physicians	/100k	Population
OB/GYN			36,356	4	11.0	38,953
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	S	Physician Need
-	AMA	14.1	5	Deficit:	-1	5
-	Two Mature HMO	12.1	4	Adequate	0	5
-	Adjusted FTE	11.3	4	Adequate	0	4
-	GMENAC	9.9	4	Adequate	0	4
-	Kaiser Portland	11.6	4	Adequate	0	5
-	7 Kaiser Plans	11.5	4	Adequate	0	4
-	GHC Seattle	10.0	4	Adequate	0	4
-	Three HMOs	8.8	3	Surplus:	1	3
-	Goodman	8.4	3	Surplus:	1	3
-	Hicks & Glenn	8.0	3	Surplus:	1	3
-	Solucient	10.2	4	Adequate	0	4
-	Average Requirement	10.2	4	Adequate	0	4

			2	008 Actual		2015 Projected
Physic	ian Specialty		Population	Physicians	/100k	Population
Optha	lmology		36,356	2	5.5	38,953
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	S	Physician Need
	AMA	6.0	2	Adequate	0	2
	Two Mature HMO	5.9	2	Adequate	0	2
	Adjusted FTE	5.5	2	Adequate	0	2
	GMENAC	4.6	2	Adequate	0	2
	Kaiser Portland	2.4	1	Surplus:	1	1
	7 Kaiser Plans	3.1	1	Surplus:	1	1
	GHC Seattle	5.0	2	Adequate	0	2
	Three HMOs					
	Goodman	3.5	1	Surplus:	1	1
	Hicks & Glenn	3.2	1	Surplus:	1	1
	Solucient	4.7	2	Adequate	0	2
	Average Requirement	4.2	2	Adequate	0	2

		2	008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Orthopedic Surgery		36,356	2	5.5	38,953
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	<b>3</b>	Physician Need
AMA	8.3	3	Deficit:	-1	3
Two Mature HMO	6.8	2	Adequate	0	3
Adjusted FTE	6.4	2	Adequate	0	2
GMENAC	6.0	2	Adequate	0	2
Kaiser Portland	5.9	2	Adequate	0	2
7 Kaiser Plans	4.2	2	Adequate	0	2
GHC Seattle	6.7	2	Adequate	0	3
Three HMOs	3.0	1	Surplus:	1	1
Goodman	5.9	2	Adequate	0	2
Hicks & Glenn	4.2	2	Adequate	0	2
Solucient	6.1	2	Adequate	0	2
Average Requirement	5.5	2	Adequate	0	2

			2	008 Actual		2015 Projected
Physic	cian Specialty		Population	Physicians	/100k	Population
Otola	ryngology		36,356	1	2.8	38,953
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Statu	s	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

			20	008 Actual		2015 Projected Population
Physician Specialty			Population	Physicians	/100k	
Pathology			36,356	1	2.8	38,953
National Phy Standards*	rsician Phy	Standard rs/100,000 Pop.	Physician Need	Status	3	Physician Need
AMA		6.3	2	Deficit:	-1	2
Two Mature	НМО	1.9	1	Adequate	0	1
Adjusted FTI	E	1.8	1	Adequate	0	1
GMENAC		6.4	2	Deficit:	-1	2
Kaiser Portla	ınd	3.3	1	Adequate	0	1
7 Kaiser Plai	าร	1.8	1	Adequate	0	1
GHC Seattle	l.					
Three HMOs	3					
Goodman		4.1	1	Adequate	0	2
Hicks & Gler	nn					
Solucient						
Average Rec	quirement	3.2	1	Adequate	0	1

			2	008 Actual		2015 Projected
Physicia	n Specialty		Population	Physicians	/100k	Population
Pediatri	cs		36,356	5	13.8	38,953
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Statu	s	Physician Need
	AMA	24.9	9	Deficit:	-4	10
	Two Mature HMO	16.6	6	Deficit:	-1	6
	Adjusted FTE	15.5	6	Deficit:	-1	6
	GMENAC	12.4	5	Adequate	0	5
	Kaiser Portland	11.9	4	Surplus:	1	5
	7 Kaiser Plans	16.0	6	Deficit:	-1	6
	GHC Seattle					
	Three HMOs	9.8	4	Surplus:	1	4
	Goodman					
	Hicks & Glenn	7.6	3	Surplus:	2	3
	Solucient	13.9	5	Adequate	0	5
	Average Requirement	13.0	5	Adequate	0	5

			2	2015 Projected		
Physician Specialty			Population	Physicians	/100k	Population
Psychiatry			36,356	4	11.0	38,953
Nat Sta	ional Physician ndards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
AM	A	13.6	5	Deficit:	-1	5
Two	o Mature HMO	7.7	3	Surplus:	1	3
Adj	usted FTE	7.2	3	Surplus:	1	3
GM	IENAC	15.4	6	Deficit:	-2	6
Kai	ser Portland	5.2	2	Surplus:	2	2
7 K	aiser Plans	4.1	1	Surplus:	3	2
GH	C Seattle					
Thr	ee HMOs					
God	odman	7.2	3	Surplus:	1	3
Hic	ks & Glenn	3.9	1	Surplus:	3	2
Sol	ucient	5.7	2	Surplus:	2	2
Ave	erage Requirement	7.1	3	Surplus:	1	3

			20	008 Actual		2015 Projected		
Physician Specialty			Population	Physicians	/100k	Population		
Radiology	у		36,356	1	2.8	38,953		
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Statu	s	Physician Need		
•	AMA	11.4	4	Deficit:	-3	4		
	Two Mature HMO	13.6	5	Deficit:	-4	5		
	Adjusted FTE	13.7	5	Deficit:	-4	5		
	GMENAC	7.7	3	Deficit:	-2	3		
	Kaiser Portland	8.5	3	Deficit:	-2	3		
	7 Kaiser Plans	4.7	2	Deficit:	-1	2		
	GHC Seattle	7.7	3	Deficit:	-2	3		
	Three HMOs							
	Goodman	8.0	3	Deficit:	-2	3		
	Hicks & Glenn							
	Solucient							
	Average Requirement	9.1	3	Deficit:	-2	4		

Included Counties: Schley, Sumter

	2008 Actual			2015 Projected	
Physician Specialty	Population	Physicians	/100k	Population	
General Surgery	36,356	3	8.3	38,953	
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
AMA	12.5	5	Deficit:	-2	5
Two Mature HMO	9.4	3	Adequate	0	4
Adjusted FTE	8.8	3	Adequate	0	3
GMENAC	9.7	4	Deficit:	-1	4
Kaiser Portland	7.0	3	Adequate	0	3
7 Kaiser Plans	6.2	2	Surplus:	1	2
GHC Seattle	5.9	2	Surplus:	1	2
Three HMOs	4.2	2	Surplus:	1	2
Goodman	9.7	4	Deficit:	-1	4
Hicks & Glenn	4.1	1	Surplus:	2	2
Solucient	6.0	2	Surplus:	1	2
Average Requiremen	nt 7.1	3	Adequate	0	3

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

- (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.

<sup>\*</sup>Standards are presented as rates per 100,000 population