

## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

			2008 Actual			2015 Projected
Physician Specialty			Population	Physicians /100k	Population	
<b>Allergy &amp; Immunology</b>			<b>47,154</b>	<b>1</b>	<b>2.1</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need	
AMA	1.4	1	Adequate	0	1	
Two Mature HMO	1.5	1	Adequate	0	1	
Adjusted FTE	1.4	1	Adequate	0	1	
GMENAC	0.8	0	Surplus:	1	0	
Kaiser Portland	1.7	1	Adequate	0	1	
7 Kaiser Plans	1.2	1	Adequate	0	1	
GHC Seattle	1.1	1	Adequate	0	1	
Three HMOs						
Goodman	1.3	1	Adequate	0	1	
Hicks & Glenn						
Solucient	1.7	1	Adequate	0	1	
Average Requirement	1.3	1	Adequate	0	1	

			2008 Actual			2015 Projected
Physician Specialty			Population	Physicians /100k	Population	
<b>Anesthesiology</b>			<b>47,154</b>	<b>3</b>	<b>6.4</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need	
AMA	14.0	7	Deficit:	-4	7	
Two Mature HMO	9.7	5	Deficit:	-2	5	
Adjusted FTE	9.1	4	Deficit:	-1	4	
GMENAC	8.9	4	Deficit:	-1	4	
Kaiser Portland	5.9	3	Adequate	0	3	
7 Kaiser Plans	3.9	2	Surplus:	1	2	
GHC Seattle	9.0	4	Deficit:	-1	4	
Three HMOs						
Goodman	7.0	3	Adequate	0	3	
Hicks & Glenn						
Solucient						
Average Requirement	7.6	4	Deficit:	-1	4	

## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>Cardiovascular Diseases</b>	<b>47,154</b>	<b>4</b>	<b>8.5</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	7.5	4	Adequate 0	4
Two Mature HMO	5.4	3	Surplus: 1	3
Adjusted FTE	5.0	2	Surplus: 2	2
GMENAC	3.1	1	Surplus: 3	1
Kaiser Portland	3.0	1	Surplus: 3	1
7 Kaiser Plans	1.8	1	Surplus: 3	1
GHC Seattle	2.9	1	Surplus: 3	1
Three HMOs				
Goodman	3.6	2	Surplus: 2	2
Hicks & Glenn	2.6	1	Surplus: 3	1
Solucient	4.2	2	Surplus: 2	2
Average Requirement	3.5	2	Surplus: 2	2

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>Dermatology</b>	<b>47,154</b>	<b>1</b>	<b>2.1</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.7	2	Deficit: -1	2
Two Mature HMO	2.8	1	Adequate 0	1
Adjusted FTE	2.6	1	Adequate 0	1
GMENAC	2.8	1	Adequate 0	1
Kaiser Portland	2.5	1	Adequate 0	1
7 Kaiser Plans	2.4	1	Adequate 0	1
GHC Seattle	2.6	1	Adequate 0	1
Three HMOs	1.6	1	Adequate 0	1
Goodman	1.4	1	Adequate 0	1
Hicks & Glenn	2.1	1	Adequate 0	1
Solucient	3.1	1	Adequate 0	2
Average Requirement	2.4	1	Adequate 0	1

## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
<b>Emergency Medicine</b>		<b>47,154</b>	<b>6</b>	<b>12.7</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	5	Surplus: 1	5	
Two Mature HMO	5.5	3	Surplus: 3	3	
Adjusted FTE	5.2	2	Surplus: 4	3	
GMENAC	5.4	3	Surplus: 3	3	
Kaiser Portland	6.7	3	Surplus: 3	3	
7 Kaiser Plans	5.3	2	Surplus: 4	3	
GHC Seattle					
Three HMOs					
Goodman	2.7	1	Surplus: 5	1	
Hicks & Glenn					
Solucient	12.4	6	Adequate 0	6	
Average Requirement	6.2	3	Surplus: 3	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
<b>Family Practice</b>		<b>47,154</b>	<b>13</b>	<b>27.6</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	15	Deficit: -2	15	
Two Mature HMO	45.6	22	Deficit: -9	22	
Adjusted FTE	42.6	20	Deficit: -7	20	
GMENAC	25.2	12	Surplus: 1	12	
Kaiser Portland	16.7	8	Surplus: 5	8	
7 Kaiser Plans	11.0	5	Surplus: 8	5	
GHC Seattle					
Three HMOs	9.2	4	Surplus: 9	4	
Goodman					
Hicks & Glenn	16.2	8	Surplus: 5	8	
Solucient	22.5	11	Surplus: 2	11	
Average Requirement	23.6	11	Surplus: 2	11	

## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Gastroenterology</b>		<b>47,154</b>	<b>1</b>	<b>2.1</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	2	Deficit: -1	2	
Two Mature HMO	3.1	1	Adequate 0	1	
Adjusted FTE					
GMENAC	3.2	2	Deficit: -1	2	
Kaiser Portland	1.7	1	Adequate 0	1	
7 Kaiser Plans	1.7	1	Adequate 0	1	
GHC Seattle					
Three HMOs					
Goodman	1.3	1	Adequate 0	1	
Hicks & Glenn					
Solucient	3.5	2	Deficit: -1	2	
Average Requirement	2.4	1	Adequate 0	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Internal Medicine</b>		<b>47,154</b>	<b>6</b>	<b>12.7</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	25	Deficit: -19	26	
Two Mature HMO	21.4	10	Deficit: -4	10	
Adjusted FTE	20.0	9	Deficit: -3	10	
GMENAC	28.8	14	Deficit: -8	14	
Kaiser Portland	28.1	13	Deficit: -7	14	
7 Kaiser Plans	30.3	14	Deficit: -8	15	
GHC Seattle					
Three HMOs	16.7	8	Deficit: -2	8	
Goodman					
Hicks & Glenn	11.3	5	Surplus: 1	5	
Solucient	19.0	9	Deficit: -3	9	
Average Requirement	22.0	10	Deficit: -4	11	

## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
<b>Nephrology</b>		<b>47,154</b>	<b>2</b>	<b>4.2</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.6	1	Surplus: 1	1	
Two Mature HMO	1.4	1	Surplus: 1	1	
Adjusted FTE	1.3	1	Surplus: 1	1	
GMENAC	1.1	1	Surplus: 1	1	
Kaiser Portland	0.8	0	Surplus: 2	0	
7 Kaiser Plans	0.7	0	Surplus: 2	0	
GHC Seattle	0.9	0	Surplus: 2	0	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	0	Surplus: 2	0	
Average Requirement	1.0	0	Surplus: 2	0	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
<b>OB/GYN</b>		<b>47,154</b>	<b>3</b>	<b>6.4</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	7	Deficit: -4	7	
Two Mature HMO	12.1	6	Deficit: -3	6	
Adjusted FTE	11.3	5	Deficit: -2	5	
GMENAC	9.9	5	Deficit: -2	5	
Kaiser Portland	11.6	5	Deficit: -2	6	
7 Kaiser Plans	11.5	5	Deficit: -2	6	
GHC Seattle	10.0	5	Deficit: -2	5	
Three HMOs	8.8	4	Deficit: -1	4	
Goodman	8.4	4	Deficit: -1	4	
Hicks & Glenn	8.0	4	Deficit: -1	4	
Solucient	10.2	5	Deficit: -2	5	
Average Requirement	10.2	5	Deficit: -2	5	

## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
<b>Orthopedic Surgery</b>		<b>47,154</b>	<b>3</b>	<b>6.4</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	4	Deficit: -1	4	
Two Mature HMO	6.8	3	Adequate 0	3	
Adjusted FTE	6.4	3	Adequate 0	3	
GMENAC	6.0	3	Adequate 0	3	
Kaiser Portland	5.9	3	Adequate 0	3	
7 Kaiser Plans	4.2	2	Surplus: 1	2	
GHC Seattle	6.7	3	Adequate 0	3	
Three HMOs	3.0	1	Surplus: 2	1	
Goodman	5.9	3	Adequate 0	3	
Hicks & Glenn	4.2	2	Surplus: 1	2	
Solucient	6.1	3	Adequate 0	3	
Average Requirement	5.5	3	Adequate 0	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
<b>Otolaryngology</b>		<b>47,154</b>	<b>2</b>	<b>4.2</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	2	Adequate 0	2	
Two Mature HMO	3.2	2	Adequate 0	2	
Adjusted FTE					
GMENAC	3.2	2	Adequate 0	2	
Kaiser Portland	3.4	2	Adequate 0	2	
7 Kaiser Plans	2.4	1	Surplus: 1	1	
GHC Seattle	3.0	1	Surplus: 1	1	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	1	Surplus: 1	1	

## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Pathology</b>		<b>47,154</b>	<b>2</b>	<b>4.2</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	6.3	3	Deficit: -1		3
Two Mature HMO	1.9	1	Surplus: 1		1
Adjusted FTE	1.8	1	Surplus: 1		1
GMENAC	6.4	3	Deficit: -1		3
Kaiser Portland	3.3	2	Adequate 0		2
7 Kaiser Plans	1.8	1	Surplus: 1		1
GHC Seattle					
Three HMOs					
Goodman	4.1	2	Adequate 0		2
Hicks & Glenn					
Solucient					
Average Requirement	3.2	2	Adequate 0		2

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Pediatrics</b>		<b>47,154</b>	<b>5</b>	<b>10.6</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	24.9	12	Deficit: -7		12
Two Mature HMO	16.6	8	Deficit: -3		8
Adjusted FTE	15.5	7	Deficit: -2		7
GMENAC	12.4	6	Deficit: -1		6
Kaiser Portland	11.9	6	Deficit: -1		6
7 Kaiser Plans	16.0	8	Deficit: -3		8
GHC Seattle					
Three HMOs	9.8	5	Adequate 0		5
Goodman					
Hicks & Glenn	7.6	4	Surplus: 1		4
Solucient	13.9	7	Deficit: -2		7
Average Requirement	13.0	6	Deficit: -1		6

## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
<b>Plastic Surgery</b>		<b>47,154</b>	<b>1</b>	<b>2.1</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.4	1	Adequate 0	1	
Two Mature HMO					
Adjusted FTE					
GMENAC	1.1	1	Adequate 0	1	
Kaiser Portland	0.3	0	Surplus: 1	0	
7 Kaiser Plans					
GHC Seattle	0.4	0	Surplus: 1	0	
Three HMOs					
Goodman	1.1	1	Adequate 0	1	
Hicks & Glenn	2.3	1	Adequate 0	1	
Solucient	2.2	1	Adequate 0	1	
Average Requirement	1.2	1	Adequate 0	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
<b>Psychiatry</b>		<b>47,154</b>	<b>4</b>	<b>8.5</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	6	Deficit: -2	7	
Two Mature HMO	7.7	4	Adequate 0	4	
Adjusted FTE	7.2	3	Surplus: 1	3	
GMENAC	15.4	7	Deficit: -3	7	
Kaiser Portland	5.2	2	Surplus: 2	3	
7 Kaiser Plans	4.1	2	Surplus: 2	2	
GHC Seattle					
Three HMOs					
Goodman	7.2	3	Surplus: 1	3	
Hicks & Glenn	3.9	2	Surplus: 2	2	
Solucient	5.7	3	Surplus: 1	3	
Average Requirement	7.1	3	Surplus: 1	3	



## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Pulmonary Diseases</b>		<b>47,154</b>	<b>1</b>	<b>2.1</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	3.5	2	Deficit: -1		2
Two Mature HMO	2.0	1	Adequate 0		1
Adjusted FTE	1.9	1	Adequate 0		1
GMENAC	1.4	1	Adequate 0		1
Kaiser Portland	1.4	1	Adequate 0		1
7 Kaiser Plans	1.0	0	Surplus: 1		0
GHC Seattle	1.4	1	Adequate 0		1
Three HMOs					
Goodman	1.4	1	Adequate 0		1
Hicks & Glenn					
Solucient	1.3	1	Adequate 0		1
Average Requirement	1.5	1	Adequate 0		1

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Radiology</b>		<b>47,154</b>	<b>1</b>	<b>2.1</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	11.4	5	Deficit: -4		5
Two Mature HMO	13.6	6	Deficit: -5		7
Adjusted FTE	13.7	6	Deficit: -5		7
GMENAC	7.7	4	Deficit: -3		4
Kaiser Portland	8.5	4	Deficit: -3		4
7 Kaiser Plans	4.7	2	Deficit: -1		2
GHC Seattle	7.7	4	Deficit: -3		4
Three HMOs					
Goodman	8.0	4	Deficit: -3		4
Hicks & Glenn					
Solucient					
Average Requirement	9.1	4	Deficit: -3		4

## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
<b>General Surgery</b>		<b>47,154</b>	<b>4</b>	<b>8.5</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	6	Deficit: -2	6	
Two Mature HMO	9.4	4	Adequate 0	5	
Adjusted FTE	8.8	4	Adequate 0	4	
GMENAC	9.7	5	Deficit: -1	5	
Kaiser Portland	7.0	3	Surplus: 1	3	
7 Kaiser Plans	6.2	3	Surplus: 1	3	
GHC Seattle	5.9	3	Surplus: 1	3	
Three HMOs	4.2	2	Surplus: 2	2	
Goodman	9.7	5	Deficit: -1	5	
Hicks & Glenn	4.1	2	Surplus: 2	2	
Solucient	6.0	3	Surplus: 1	3	
Average Requirement	7.1	3	Surplus: 1	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
<b>Urology</b>		<b>47,154</b>	<b>2</b>	<b>4.2</b>	<b>48,104</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	2	Adequate 0	2	
Two Mature HMO	3.5	2	Adequate 0	2	
Adjusted FTE	3.3	2	Adequate 0	2	
GMENAC	3.1	1	Surplus: 1	1	
Kaiser Portland	3.3	2	Adequate 0	2	
7 Kaiser Plans	2.3	1	Surplus: 1	1	
GHC Seattle	2.9	1	Surplus: 1	1	
Three HMOs					
Goodman	2.6	1	Surplus: 1	1	
Hicks & Glenn	1.9	1	Surplus: 1	1	
Solucient	2.9	1	Surplus: 1	1	
Average Requirement	2.9	1	Surplus: 1	1	

## 88 PCSA Physician Standard Report

Included Counties: Atkinson, Coffee

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.
- (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 328:1480-152. 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.