

## Ware County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Anesthesiology</b>		<b>35,931</b>	<b>6</b>	<b>16.7</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	5	Surplus: 1	5	
Two Mature HMO	9.7	3	Surplus: 3	3	
Adjusted FTE	9.1	3	Surplus: 3	3	
GMENAC	8.9	3	Surplus: 3	3	
Kaiser Portland	5.9	2	Surplus: 4	1	
7 Kaiser Plans	3.9	1	Surplus: 5	1	
GHC Seattle	9.0	3	Surplus: 3	3	
Three HMOs					
Goodman	7.0	3	Surplus: 3	3	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	3	Surplus: 3	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Cardiovascular Diseases</b>		<b>35,931</b>	<b>20</b>	<b>55.7</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	3	Surplus: 17	3	
Two Mature HMO	5.4	2	Surplus: 18	2	
Adjusted FTE	5.0	2	Surplus: 18	2	
GMENAC	3.1	1	Surplus: 19	1	
Kaiser Portland	3.0	1	Surplus: 19	1	
7 Kaiser Plans	1.8	1	Surplus: 19	1	
GHC Seattle	2.9	1	Surplus: 19	1	
Three HMOs					
Goodman	3.6	1	Surplus: 19	1	
Hicks & Glenn	2.6	1	Surplus: 19	1	
Solucient	4.2	2	Surplus: 18	2	
Average Requirement	3.5	1	Surplus: 19	1	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Dermatology</b>		<b>35,931</b>	<b>1</b>	<b>2.8</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	1	Adequate 0	1	
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	1	
Average Requirement	2.4	1	Adequate 0	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Emergency Medicine</b>		<b>35,931</b>	<b>13</b>	<b>36.2</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	4	Surplus: 9	4	
Two Mature HMO	5.5	2	Surplus: 11	2	
Adjusted FTE	5.2	2	Surplus: 11	2	
GMENAC	5.4	2	Surplus: 11	2	
Kaiser Portland	6.7	2	Surplus: 11	2	
7 Kaiser Plans	5.3	2	Surplus: 11	2	
GHC Seattle					
Three HMOs					
Goodman	2.7	1	Surplus: 12	1	
Hicks & Glenn					
Solucient	12.4	4	Surplus: 9	4	
Average Requirement	6.2	2	Surplus: 11	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Endocrinology, Diabetes &amp; Metabolism</b>		<b>35,931</b>	<b>2</b>	<b>5.6</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.8	1	Surplus: 1	1	
Two Mature HMO	1.1	0	Surplus: 2	0	
Adjusted FTE	1.0	0	Surplus: 2	0	
GMENAC	0.8	0	Surplus: 2	0	
Kaiser Portland	0.9	0	Surplus: 2	0	
7 Kaiser Plans	1.1	0	Surplus: 2	0	
GHC Seattle					
Three HMOs	0.6	0	Surplus: 2	0	
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.9	0	Surplus: 2	0	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Family Practice</b>		<b>35,931</b>	<b>13</b>	<b>36.2</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	11	Surplus: 2	11	
Two Mature HMO	45.6	16	Deficit: -3	16	
Adjusted FTE	42.6	15	Deficit: -2	15	
GMENAC	25.2	9	Surplus: 4	9	
Kaiser Portland	16.7	6	Surplus: 7	4	
7 Kaiser Plans	11.0	4	Surplus: 9	4	
GHC Seattle					
Three HMOs	9.2	3	Surplus: 10	3	
Goodman					
Hicks & Glenn	16.2	6	Surplus: 7	6	
Solucient	22.5	8	Surplus: 5	8	
Average Requirement	23.6	8	Surplus: 5	8	

## Ware County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Gastroenterology</b>		<b>35,931</b>	<b>4</b>	<b>11.1</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	2	Surplus: 2	2	
Two Mature HMO	3.1	1	Surplus: 3	1	
Adjusted FTE					
GMENAC	3.2	1	Surplus: 3	1	
Kaiser Portland	1.7	1	Surplus: 3	1	
7 Kaiser Plans	1.7	1	Surplus: 3	1	
GHC Seattle					
Three HMOs					
Goodman	1.3	0	Surplus: 4	0	
Hicks & Glenn					
Solucient	3.5	1	Surplus: 3	1	
Average Requirement	2.4	1	Surplus: 3	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Internal Medicine</b>		<b>35,931</b>	<b>17</b>	<b>47.3</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	19	Deficit: -2	19	
Two Mature HMO	21.4	8	Surplus: 9	8	
Adjusted FTE	20.0	7	Surplus: 10	7	
GMENAC	28.8	10	Surplus: 7	10	
Kaiser Portland	28.1	10	Surplus: 7	11	
7 Kaiser Plans	30.3	11	Surplus: 6	11	
GHC Seattle					
Three HMOs	16.7	6	Surplus: 11	6	
Goodman					
Hicks & Glenn	11.3	4	Surplus: 13	4	
Solucient	19.0	7	Surplus: 10	7	
Average Requirement	22.0	8	Surplus: 9	8	

## Ware County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Nephrology</b>		<b>35,931</b>	<b>3</b>	<b>8.3</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.6	1	Surplus: 2	1	
Two Mature HMO	1.4	1	Surplus: 2	1	
Adjusted FTE	1.3	0	Surplus: 3	0	
GMENAC	1.1	0	Surplus: 3	0	
Kaiser Portland	0.8	0	Surplus: 3	0	
7 Kaiser Plans	0.7	0	Surplus: 3	0	
GHC Seattle	0.9	0	Surplus: 3	0	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	0	Surplus: 3	0	
Average Requirement	1.0	0	Surplus: 3	0	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Neurology</b>		<b>35,931</b>	<b>3</b>	<b>8.3</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	2	Surplus: 1	2	
Two Mature HMO	2.4	1	Surplus: 2	1	
Adjusted FTE	2.3	1	Surplus: 2	1	
GMENAC	3.3	1	Surplus: 2	1	
Kaiser Portland	1.3	0	Surplus: 3	1	
7 Kaiser Plans	1.7	1	Surplus: 2	1	
GHC Seattle	1.2	0	Surplus: 3	0	
Three HMOs					
Goodman	2.1	1	Surplus: 2	1	
Hicks & Glenn	1.4	1	Surplus: 2	1	
Solucient	1.8	1	Surplus: 2	1	
Average Requirement	1.9	1	Surplus: 2	1	

## Ware County Physician Standard Report

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>OB/GYN</b>	<b>35,931</b>	<b>6</b>	<b>16.7</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	14.1	5	Surplus: 1	5
Two Mature HMO	12.1	4	Surplus: 2	4
Adjusted FTE	11.3	4	Surplus: 2	4
GMENAC	9.9	4	Surplus: 2	4
Kaiser Portland	11.6	4	Surplus: 2	4
7 Kaiser Plans	11.5	4	Surplus: 2	4
GHC Seattle	10.0	4	Surplus: 2	4
Three HMOs	8.8	3	Surplus: 3	3
Goodman	8.4	3	Surplus: 3	3
Hicks & Glenn	8.0	3	Surplus: 3	3
Solucient	10.2	4	Surplus: 2	4
Average Requirement	10.2	4	Surplus: 2	4

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>Ophthalmology</b>	<b>35,931</b>	<b>2</b>	<b>5.6</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	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

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Orthopedic Surgery</b>		<b>35,931</b>	<b>3</b>	<b>8.3</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	3	Adequate 0	3	
Two Mature HMO	6.8	2	Surplus: 1	2	
Adjusted FTE	6.4	2	Surplus: 1	2	
GMENAC	6.0	2	Surplus: 1	2	
Kaiser Portland	5.9	2	Surplus: 1	2	
7 Kaiser Plans	4.2	2	Surplus: 1	2	
GHC Seattle	6.7	2	Surplus: 1	2	
Three HMOs	3.0	1	Surplus: 2	1	
Goodman	5.9	2	Surplus: 1	2	
Hicks & Glenn	4.2	2	Surplus: 1	2	
Solucient	6.1	2	Surplus: 1	2	
Average Requirement	5.5	2	Surplus: 1	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Otolaryngology</b>		<b>35,931</b>	<b>2</b>	<b>5.6</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	1	Surplus: 1	1	
Two Mature HMO	3.2	1	Surplus: 1	1	
Adjusted FTE					
GMENAC	3.2	1	Surplus: 1	1	
Kaiser Portland	3.4	1	Surplus: 1	1	
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	

## Ware County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Pathology</b>		<b>35,931</b>	<b>3</b>	<b>8.3</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	2	Surplus: 1	2	
Two Mature HMO	1.9	1	Surplus: 2	1	
Adjusted FTE	1.8	1	Surplus: 2	1	
GMENAC	6.4	2	Surplus: 1	2	
Kaiser Portland	3.3	1	Surplus: 2	1	
7 Kaiser Plans	1.8	1	Surplus: 2	1	
GHC Seattle					
Three HMOs					
Goodman	4.1	1	Surplus: 2	1	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	1	Surplus: 2	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Pediatrics</b>		<b>35,931</b>	<b>7</b>	<b>19.5</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	9	Deficit: -2	9	
Two Mature HMO	16.6	6	Surplus: 1	6	
Adjusted FTE	15.5	6	Surplus: 1	6	
GMENAC	12.4	4	Surplus: 3	4	
Kaiser Portland	11.9	4	Surplus: 3	6	
7 Kaiser Plans	16.0	6	Surplus: 1	6	
GHC Seattle					
Three HMOs	9.8	4	Surplus: 3	4	
Goodman					
Hicks & Glenn	7.6	3	Surplus: 4	3	
Solucient	13.9	5	Surplus: 2	5	
Average Requirement	13.0	5	Surplus: 2	5	



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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Plastic Surgery</b>		<b>35,931</b>	<b>1</b>	<b>2.8</b>	<b>35,782</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	0	Surplus: 1	0	
Kaiser Portland	0.3	0	Surplus: 1		
7 Kaiser Plans					
GHC Seattle	0.4	0	Surplus: 1	0	
Three HMOs					
Goodman	1.1	0	Surplus: 1	0	
Hicks & Glenn	2.3	1	Adequate 0	1	
Solucient	2.2	1	Adequate 0	1	
Average Requirement	1.2	0	Surplus: 1	0	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Psychiatry</b>		<b>35,931</b>	<b>5</b>	<b>13.9</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	5	Adequate 0	5	
Two Mature HMO	7.7	3	Surplus: 2	3	
Adjusted FTE	7.2	3	Surplus: 2	3	
GMENAC	15.4	6	Deficit: -1	6	
Kaiser Portland	5.2	2	Surplus: 3	1	
7 Kaiser Plans	4.1	1	Surplus: 4	1	
GHC Seattle					
Three HMOs					
Goodman	7.2	3	Surplus: 2	3	
Hicks & Glenn	3.9	1	Surplus: 4	1	
Solucient	5.7	2	Surplus: 3	2	
Average Requirement	7.1	3	Surplus: 2	3	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Pulmonary Diseases</b>		<b>35,931</b>	<b>2</b>	<b>5.6</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	1	Surplus: 1	1	
Two Mature HMO	2.0	1	Surplus: 1	1	
Adjusted FTE	1.9	1	Surplus: 1	1	
GMENAC	1.4	1	Surplus: 1	1	
Kaiser Portland	1.4	1	Surplus: 1	0	
7 Kaiser Plans	1.0	0	Surplus: 2	0	
GHC Seattle	1.4	1	Surplus: 1	1	
Three HMOs					
Goodman	1.4	1	Surplus: 1	1	
Hicks & Glenn					
Solucient	1.3	0	Surplus: 2	0	
Average Requirement	1.5	1	Surplus: 1	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Radiology</b>		<b>35,931</b>	<b>3</b>	<b>8.3</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	4	Deficit: -1	4	
Two Mature HMO	13.6	5	Deficit: -2	5	
Adjusted FTE	13.7	5	Deficit: -2	5	
GMENAC	7.7	3	Adequate 0	3	
Kaiser Portland	8.5	3	Adequate 0	2	
7 Kaiser Plans	4.7	2	Surplus: 1	2	
GHC Seattle	7.7	3	Adequate 0	3	
Three HMOs					
Goodman	8.0	3	Adequate 0	3	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	3	Adequate 0	3	

## Ware County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Rheumatology</b>		<b>35,931</b>	<b>2</b>	<b>5.6</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	1	Surplus: 1	1	
Two Mature HMO	1.1	0	Surplus: 2	0	
Adjusted FTE	1.0	0	Surplus: 2	0	
GMENAC	0.7	0	Surplus: 2	0	
Kaiser Portland	0.4	0	Surplus: 2	0	
7 Kaiser Plans	0.7	0	Surplus: 2	0	
GHC Seattle	0.7	0	Surplus: 2	0	
Three HMOs					
Goodman	0.4	0	Surplus: 2	0	
Hicks & Glenn					
Solucient	1.3	0	Surplus: 2	0	
Average Requirement	0.8	0	Surplus: 2	0	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>General Surgery</b>		<b>35,931</b>	<b>7</b>	<b>19.5</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	4	Surplus: 3	4	
Two Mature HMO	9.4	3	Surplus: 4	3	
Adjusted FTE	8.8	3	Surplus: 4	3	
GMENAC	9.7	3	Surplus: 4	3	
Kaiser Portland	7.0	3	Surplus: 4	2	
7 Kaiser Plans	6.2	2	Surplus: 5	2	
GHC Seattle	5.9	2	Surplus: 5	2	
Three HMOs	4.2	2	Surplus: 5	2	
Goodman	9.7	3	Surplus: 4	3	
Hicks & Glenn	4.1	1	Surplus: 6	1	
Solucient	6.0	2	Surplus: 5	2	
Average Requirement	7.1	3	Surplus: 4	3	

## Ware County Physician Standard Report

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>Urology</b>	<b>35,931</b>	<b>2</b>	<b>5.6</b>	<b>35,782</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	1	Surplus: 1	1
Two Mature HMO	3.5	1	Surplus: 1	1
Adjusted FTE	3.3	1	Surplus: 1	1
GMENAC	3.1	1	Surplus: 1	1
Kaiser Portland	3.3	1	Surplus: 1	1
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

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

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

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- (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.
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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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