

The physician supply numbers below represent the full time equivalents of physicians working by specialty and island, as obtained from the physician licensure survey, public and private data sources and direct contact. Demand numbers, which are based on average U.S. utilization of physician services by specialty, were applied to the population of Hawaii. Therefore, the demand calculations are not Hawaii-specific. In particular, we are reevaluating demand in Psychiatry, Emergency Medicine, Radiology and Pathology. Because of Hawaii's uniqueness, we are currently developing a Hawaii-specific model that will take into account our island geography, number of hospitals, large tourist population, and ethnic mix. To be involved in the development of this model, please contact Kelley Withy at withy@hawaii.edu.

Statewide Physician Shortage Estimates as of March 2010

| Specialty | Supply | Demand 2010 | Shortage | % Increase Needed |
|----------------------|--------|-------------|----------|-------------------|
| Adult Psychiatry | 160 | 116 | 0 | - |
| Allergy/Immunology | 18 | 11 | 0 | - |
| Anesthesiology | 150 | 227 | 77 | 51 |
| Cardiology | 59 | 106 | 47 | 80 |
| Child Psychiatry | 41 | 25 | 0 | - |
| Colorectal Surgery | 4 | 6 | 2 | 50 |
| Critical Care | 25 | 14 | 0 | - |
| Dermatology | 48 | 31 | 0 | - |
| Diagnostic Radiology | 132 | 183 | 51 | 39 |
| Emergency Medicine | 183 | 190* | 0 | - |
| Endocrinology | 17 | 22 | 5 | 29 |
| Family +General | 337 | 394 | 57 | 17 |
| Gastroenterology | 46 | 73 | 27 | 59 |
| Internal Medicine | 376 | 433 | 57 | 15 |
| General Surgery | 83 | 124 | 41 | 49 |
| Geriatrics | 38 | 42 | 4 | 11 |
| Hospitalist | 124 | 158 | 34 | 27 |
| Infectious Disease | 16 | 30 | 14 | 88 |
| Neonatology | 17 | 20 | 3 | 18 |
| Nephrology | 29 | 30 | 1 | 3 |
| Neurological Surgery | 12 | 24 | 12 | 100 |
| Neurology | 36 | 50 | 14 | 39 |
| OBGYN | 179 | 188 | 9 | 5 |
| Heme/Onc | 30 | 43 | 13 | 43 |
| Ophthalmology | 98 | 93 | 0 | - |
| Orthopedic Surgery | 72 | 90 | 18 | 25 |
| Other | 10 | 61 | 51 | 510 |
| Otolaryngology | 35 | 43 | 8 | 23 |
| Pathology, General | 46 | 87 | 41 | 89 |
| Pediatrics, General | 213 | 215 | 2 | 1 |
| Peds subspecialty | 31 | 26 | 0 | - |

*as of June 2010

Statewide Physician Shortage Estimates as of March 2010

| Specialty | Supply | Demand 2010 | Shortage | % Increase Needed |
|---------------------------------------|---------------|--------------------|-----------------|--------------------------|
| PM&R | 36 | 36 | 0 | - |
| Plastic Surgery | 29 | 27 | 0 | - |
| Prev Med/Occupational Medicine | 16 | 19 | 3 | 19 |
| Pulmonary | 30 | 43 | 13 | 43 |
| Radiation Oncology | 9 | 26 | 17 | 189 |
| Rheumatology | 14 | 13 | 0 | - |
| Thoracic Surgery | 17 | 27 | 10 | 59 |
| Urology | 36 | 49 | 13 | 36 |
| Vascular Surgery | 10 | 10 | 0 | - |
| Total | 2,862 | 3,324 | 644 | 23 |