

**Selected Healthcare Related Occupations
Wisconsin Occupational Projections, 2006-2016**

| SOC Code | Occupational Title | Estimated Employment ⁽¹⁾ | | | | Average Annual Openings | | | Typical Education and Training Path ⁽⁴⁾ | Estimated Salary and Wages | | |
|----------------|---|-------------------------------------|------------------|----------------|--------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
| | | 2006 | 2016 | Change | % Change | New Jobs | Replacements ⁽²⁾ | Total ⁽³⁾ | | Avg. Ann. Salary ⁽⁵⁾ | Entry Level Wage ⁽⁶⁾ | Experienced Wage ⁽⁷⁾ |
| 00-0000 | Total, All Occupations | 3,079,470 | 3,325,840 | 246,370 | 8.0% | 24,640 | 68,020 | 92,660 | | \$36,680 | \$8.63 | \$22.14 |
| | Total, Healthcare Related Occupations | 239,850 | 290,590 | 50,740 | 21.2% | 5,070 | 3,740 | 8,810 | | * | * | * |
| 11-9111 | Medical and Health Services Managers | 4,250 | 4,980 | 730 | 17.2% | 70 | 80 | 150 | Bachelor's or higher degree, plus work experience | \$79,329 | \$25.50 | \$44.46 |
| 29-0000 | Healthcare Practitioners and Technical Occupations | 148,330 | 179,010 | 30,680 | 20.7% | 3,070 | 2,740 | 5,810 | | \$61,768 | \$15.18 | \$36.95 |
| 29-1000 | Health Diagnosing and Treating Practitioners | 91,890 | 112,360 | 20,470 | 22.3% | 2,050 | 1,530 | 3,580 | | \$77,061 | \$22.02 | \$44.56 |
| 29-1011 | Chiropractors | 1,770 | 2,040 | 270 | 15.3% | 30 | 20 | 50 | First professional degree | \$101,249 | \$24.59 | \$60.72 |
| 29-1021 | Dentists, General | 3,120 | 3,420 | 300 | 9.6% | 30 | 60 | 90 | First professional degree | \$143,711 | \$48.21 | \$79.53 |
| 29-1022 | Oral and Maxillofacial Surgeons | * | * | * | * | 0 | 0 | 0 | First professional degree | \$187,593 | * | * |
| 29-1023 | Orthodontists | 190 | 210 | 20 | 10.5% | 0 | 0 | 0 | First professional degree | \$193,104 | * | * |
| 29-1024 | Prosthodontists | 60 | 60 | 0 | 0.0% | 0 | 0 | 0 | First professional degree | \$171,362 | * | * |
| 29-1029 | Dentists, All Other Specialists | 80 | 80 | 0 | 0.0% | 0 | 0 | 0 | First professional degree | \$134,515 | \$33.75 | \$80.13 |
| 29-1031 | Dietitians and Nutritionists | 1,260 | 1,320 | 60 | 4.8% | 10 | 30 | 40 | Bachelor's degree | \$49,160 | \$18.63 | \$26.13 |
| 29-1041 | Optometrists | 540 | 590 | 50 | 9.3% | 10 | 10 | 20 | First professional degree | \$93,890 | \$25.88 | \$54.77 |
| 29-1051 | Pharmacists | 4,610 | 5,480 | 870 | 18.9% | 90 | 80 | 170 | First professional degree | \$97,249 | \$37.30 | \$51.48 |
| 29-1061 | Anesthesiologists | 620 | 750 | 130 | 21.0% | 10 | 10 | 20 | First professional degree | \$187,496 | * | * |
| 29-1062 | Family and General Practitioners | 3,000 | 3,420 | 420 | 14.0% | 40 | 50 | 90 | First professional degree | \$167,142 | * | * |
| 29-1063 | Internists, General | 1,650 | 1,880 | 230 | 13.9% | 20 | 30 | 50 | First professional degree | \$182,925 | * | * |
| 29-1064 | Obstetricians and Gynecologists | 330 | 400 | 70 | 21.2% | 10 | 10 | 20 | First professional degree | \$190,943 | * | * |
| 29-1065 | Pediatricians, General | 410 | 470 | 60 | 14.6% | 10 | 10 | 20 | First professional degree | \$157,661 | \$53.36 | \$87.02 |
| 29-1066 | Psychiatrists | 500 | 590 | 90 | 18.0% | 10 | 10 | 20 | First professional degree | \$147,121 | \$34.84 | \$88.67 |
| 29-1067 | Surgeons | 1,270 | 1,440 | 170 | 13.4% | 20 | 20 | 40 | First professional degree | * | * | * |
| 29-1069 | Physicians and Surgeons, All Other | 4,270 | 5,170 | 900 | 21.1% | 90 | 80 | 170 | First professional degree | \$177,889 | * | * |
| 29-1071 | Physician Assistants | 1,110 | 1,480 | 370 | 33.3% | 40 | 20 | 60 | Master's degree | \$78,373 | \$30.09 | \$41.47 |
| 29-1081 | Podiatrists | 130 | 150 | 20 | 15.4% | 0 | 10 | 10 | First professional degree | \$123,718 | \$35.42 | \$71.51 |
| 29-1111 | Registered Nurses | 51,130 | 64,550 | 13,420 | 26.2% | 1,340 | 840 | 2,180 | Associate or Bachelor's degree ⁽⁸⁾ | \$57,376 | \$22.15 | \$30.30 |
| 29-1121 | Audiologists | 250 | 270 | 20 | 8.0% | 0 | 0 | 0 | Doctoral degree | \$57,977 | \$20.05 | \$31.79 |
| 29-1122 | Occupational Therapists | 2,910 | 3,490 | 580 | 19.9% | 60 | 40 | 100 | Master's degree | \$53,392 | \$19.80 | \$28.60 |
| 29-1123 | Physical Therapists | 4,060 | 5,080 | 1,020 | 25.1% | 100 | 50 | 150 | Master's degree | \$64,087 | \$24.10 | \$34.16 |
| 29-1124 | Radiation Therapists | 490 | 650 | 160 | 32.7% | 20 | 10 | 30 | Associate degree | \$67,848 | \$25.91 | \$35.98 |
| 29-1125 | Recreational Therapists | 530 | 530 | 0 | 0.0% | 0 | 10 | 10 | Bachelor's degree | \$36,089 | \$12.59 | \$19.73 |
| 29-1126 | Respiratory Therapists | 1,790 | 2,270 | 480 | 26.8% | 50 | 30 | 80 | Associate degree | \$48,842 | \$19.39 | \$25.53 |
| 29-1127 | Speech-Language Pathologists | 2,570 | 2,710 | 140 | 5.4% | 10 | 50 | 60 | Master's degree | \$54,409 | \$19.03 | \$29.72 |
| 29-1129 | Therapists, All Other | * | * | * | * | 10 | 10 | 20 | Bachelor's degree | * | * | * |
| 29-1131 | Veterinarians | 1,750 | 2,170 | 420 | 24.0% | 40 | 30 | 70 | First professional degree | \$77,803 | \$22.57 | \$44.82 |
| 29-1199 | Health Diagnosing and Treating Practitioners, All Other | 650 | 740 | 90 | 13.8% | 10 | 10 | 20 | First professional degree | \$60,725 | \$19.39 | \$34.10 |
| 29-2000 | Health Technologists and Technicians | 53,640 | 63,410 | 9,770 | 18.2% | 980 | 1,160 | 2,140 | | \$37,516 | \$11.10 | \$21.51 |
| 29-2011 | Medical and Clinical Laboratory Technologists | 3,290 | 3,850 | 560 | 17.0% | 60 | 50 | 110 | Bachelor's degree | \$50,426 | \$19.03 | \$26.85 |
| 29-2012 | Medical and Clinical Laboratory Technicians | 1,840 | 2,150 | 310 | 16.8% | 30 | 30 | 60 | Associate degree | \$36,496 | \$13.64 | \$19.50 |
| 29-2021 | Dental Hygienists | 4,170 | 5,470 | 1,300 | 31.2% | 130 | 80 | 210 | Associate degree | \$55,069 | \$22.77 | \$28.33 |

| SOC Code | Occupational Title | Estimated Employment ⁽¹⁾ | | | | Average Annual Openings | | | Typical Education and Training Path ⁽⁴⁾ | Estimated Salary and Wages | | |
|----------------|---|-------------------------------------|----------------|---------------|--------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
| | | 2006 | 2016 | Change | % Change | New Jobs | Replacements ⁽²⁾ | Total ⁽³⁾ | | Avg. Ann. Salary ⁽⁵⁾ | Entry Level Wage ⁽⁶⁾ | Experienced Wage ⁽⁷⁾ |
| 29-2031 | Cardiovascular Technologists and Technicians | 700 | 900 | 200 | 28.6% | 20 | 10 | 30 | Associate degree | \$44,814 | \$13.83 | \$25.40 |
| 29-2032 | Diagnostic Medical Sonographers | 890 | 1,080 | 190 | 21.3% | 20 | 10 | 30 | Associate degree | \$68,335 | \$26.64 | \$35.96 |
| 29-2033 | Nuclear Medicine Technologists | 350 | 410 | 60 | 17.1% | 10 | 10 | 20 | Associate degree | \$65,355 | \$26.81 | \$33.73 |
| 29-2034 | Radiologic Technologists and Technicians | 4,640 | 5,560 | 920 | 19.8% | 90 | 60 | 150 | Associate degree | \$48,371 | \$18.43 | \$25.67 |
| 29-2041 | Emergency Medical Technicians and Paramedics | 7,090 | 7,880 | 790 | 11.1% | 80 | 80 | 160 | Postsecondary vocational training | \$25,665 | \$7.20 | \$14.91 |
| 29-2051 | Dietetic Technicians | 540 | 600 | 60 | 11.1% | 10 | 20 | 30 | Postsecondary vocational training | \$25,406 | \$8.34 | \$14.15 |
| 29-2052 | Pharmacy Technicians | 6,300 | 8,030 | 1,730 | 27.5% | 170 | 190 | 360 | Moderate-term on-the-job training | \$25,518 | \$9.35 | \$13.73 |
| 29-2053 | Psychiatric Technicians | 810 | 810 | 0 | 0.0% | 0 | 30 | 30 | Postsecondary vocational training | \$30,893 | \$10.97 | \$16.79 |
| 29-2054 | Respiratory Therapy Technicians | 110 | 110 | 0 | 0.0% | 0 | 0 | 0 | Associate degree | \$38,669 | \$13.42 | \$21.18 |
| 29-2055 | Surgical Technologists | 2,310 | 2,990 | 680 | 29.4% | 70 | 70 | 140 | Postsecondary vocational training | \$41,203 | \$15.89 | \$21.77 |
| 29-2056 | Veterinary Technologists and Technicians | 1,510 | 1,930 | 420 | 27.8% | 40 | 50 | 90 | Associate degree | \$28,104 | \$10.11 | \$15.21 |
| 29-2061 | Licensed Practical and Licensed Vocational Nurses | 11,040 | 12,300 | 1,260 | 11.4% | 130 | 300 | 430 | Postsecondary vocational training | \$37,618 | \$15.20 | \$19.53 |
| 29-2071 | Medical Records and Health Information Technicians | 3,520 | 4,280 | 760 | 21.6% | 80 | 100 | 180 | Associate degree | \$30,629 | \$10.25 | \$16.96 |
| 29-2081 | Opticians, Dispensing | 1,910 | 1,980 | 70 | 3.7% | 10 | 60 | 70 | Long-term on-the-job training | \$28,591 | \$9.74 | \$15.75 |
| 29-2091 | Orthotists and Prosthetists | 70 | 80 | 10 | 14.3% | 0 | 0 | 0 | Bachelor's degree | \$60,272 | \$18.23 | \$34.35 |
| 29-2099 | Health Technologists and Technicians, All Other | 2,550 | 3,000 | 450 | 17.6% | 50 | 20 | 70 | Postsecondary vocational training | \$38,520 | \$13.22 | \$21.17 |
| 29-9000 | Other Healthcare Practitioners and Technical Occupations | 2,810 | 3,250 | 440 | 15.7% | 40 | 50 | 90 | | \$44,846 | \$13.81 | \$25.43 |
| 29-9011 | Occupational Health and Safety Specialists | 730 | 780 | 50 | 6.8% | 10 | 10 | 20 | Bachelor's degree | \$56,074 | \$19.17 | \$30.85 |
| 29-9012 | Occupational Health and Safety Technicians | 120 | 130 | 10 | 8.3% | 0 | 0 | 0 | Bachelor's degree | \$45,215 | \$15.03 | \$25.09 |
| 29-9091 | Athletic Trainers | 460 | 560 | 100 | 21.7% | 10 | 10 | 20 | Bachelor's degree | \$41,626 | * | * |
| 29-9099 | Healthcare Practitioners and Technical Workers, All Other | 1,490 | 1,780 | 290 | 19.5% | 30 | 30 | 60 | Bachelor's degree | \$39,887 | \$12.43 | \$22.55 |
| 31-0000 | Healthcare Support Occupations | 87,270 | 106,600 | 19,330 | 22.1% | 1,930 | 920 | 2,850 | | \$25,033 | \$9.32 | \$13.39 |
| 31-1000 | Nursing, Psychiatric, and Home Health Aides | 53,860 | 65,450 | 11,590 | 21.5% | 1,160 | 480 | 1,640 | | \$23,136 | \$9.15 | \$12.11 |
| 31-1011 | Home Health Aides | 16,550 | 23,310 | 6,760 | 40.8% | 680 | 150 | 830 | Short-term on-the-job training | \$20,812 | \$8.30 | \$10.86 |
| 31-1012 | Nursing Aides, Orderlies, and Attendants | 36,740 | 41,450 | 4,710 | 12.8% | 470 | 330 | 800 | Postsecondary vocational training | \$24,236 | \$9.66 | \$12.65 |
| 31-1013 | Psychiatric Aides | 570 | 680 | 110 | 19.3% | 10 | 10 | 20 | Short-term on-the-job training | \$21,783 | \$8.57 | \$11.42 |
| 31-2000 | Occupational and Physical Therapist Assistants and Aides | 3,450 | 4,370 | 920 | 26.7% | 90 | 50 | 140 | | \$32,208 | \$10.80 | \$17.83 |
| 31-2011 | Occupational Therapist Assistants | 710 | 850 | 140 | 19.7% | 10 | 10 | 20 | Associate degree | \$38,673 | \$15.02 | \$20.38 |
| 31-2012 | Occupational Therapist Aides | 220 | 270 | 50 | 22.7% | 10 | 0 | 10 | Short-term on-the-job training | \$23,705 | \$8.54 | \$12.83 |
| 31-2021 | Physical Therapist Assistants | 1,270 | 1,650 | 380 | 29.9% | 40 | 20 | 60 | Associate degree | \$38,206 | \$14.25 | \$20.43 |
| 31-2022 | Physical Therapist Aides | 1,240 | 1,600 | 360 | 29.0% | 40 | 20 | 60 | Short-term on-the-job training | \$24,614 | \$10.25 | \$12.63 |
| 31-9000 | Other Healthcare Support Occupations | 29,960 | 36,790 | 6,830 | 22.8% | 680 | 400 | 1,080 | | \$27,575 | \$10.06 | \$14.86 |
| 31-9011 | Massage Therapists | 2,400 | 2,770 | 370 | 15.4% | 40 | 30 | 70 | Postsecondary vocational training | \$31,610 | \$7.48 | \$19.06 |
| 31-9091 | Dental Assistants | 5,340 | 6,960 | 1,620 | 30.3% | 160 | 90 | 250 | Moderate-term on-the-job training | \$29,454 | \$11.24 | \$15.62 |
| 31-9092 | Medical Assistants | 7,120 | 9,720 | 2,600 | 36.5% | 260 | 90 | 350 | Moderate-term on-the-job training | \$27,632 | \$10.88 | \$14.49 |
| 31-9093 | Medical Equipment Preparers | 920 | 1,080 | 160 | 17.4% | 20 | 10 | 30 | Short-term on-the-job training | \$28,479 | \$10.52 | \$15.28 |
| 31-9094 | Medical Transcriptionists | 4,470 | 5,210 | 740 | 16.6% | 70 | 60 | 130 | Postsecondary vocational training | \$30,772 | \$12.19 | \$16.10 |
| 31-9095 | Pharmacy Aides | 750 | 650 | -100 | -13.3% | 0 | 10 | 10 | Short-term on-the-job training | \$21,124 | \$7.11 | \$11.68 |
| 31-9096 | Veterinary Assistants and Laboratory Animal Caretakers | 1,420 | 1,520 | 100 | 7.0% | 10 | 20 | 30 | Short-term on-the-job training | \$20,626 | \$7.83 | \$10.96 |
| 31-9099 | Healthcare Support Workers, All Other | 7,550 | 8,880 | 1,330 | 17.6% | 130 | 90 | 220 | Short-term on-the-job training | \$25,926 | \$9.49 | \$13.95 |

See notes on the next page.

Notes:

- (1) **Employment** is a count of jobs rather than people, and includes all part- and full-time nonfarm jobs. Employment also includes jobs among self-employed and unpaid family workers. Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total openings** are the sum of new jobs and replacements. Total openings are an indication of how many new people are needed to enter a given occupation.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
 - Short-Term On-the-Job Training:** These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
 - Moderate-Term On-the-Job Training:** Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
 - Long-Term On-the-Job Training:** These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
 - Work Experience in Related Occupation:** Occupations in this category require skills and experience gained in other jobs.
 - Postsecondary Vocational Training:** These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
 - Associate Degree:** This degree requires two years of full-time academic work beyond high school.
 - Bachelor's Degree:** This degree requires four or five years of full-time academic work at a college or university.
 - Master's Degree:** This degree requires one to two years of full-time study beyond a bachelor's degree.
 - Doctoral Degree:** This degree usually requires at least three years of full-time study beyond a bachelor's degree.
 - First Professional Degree:** These degrees typically require at least two years of full-time study beyond a bachelor's degree.
 - Bachelor's or higher degree, plus work experience:** These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) **Entry Level Wage** is the average of the lower third of wages.
- (7) **Experienced Wage** is the average of the upper two-thirds of wages.
- (8) Either a bachelor's or an associate degree is accepted in this occupation. It depends on the specifics of the position and the employer.

* Information is not available.

Information is derived using the 2006 OES Survey, 2006 QCEW and 2006 CES data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2006 to 2016. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, May 2008

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