



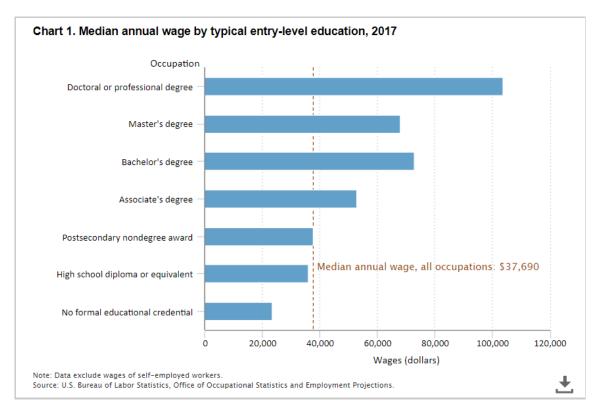


High-wage occupations by typical entrylevel education, 2017

Elka Torpey | January 2019

Overall, wages are higher in occupations typically requiring a degree for entry than in occupations typically requiring less education. But that's not always the case.

The U.S. Bureau of Labor Statistics (BLS) assigns occupations to education categories on the basis of what is typically required to enter those occupations. As chart 1 shows, the median annual wage in occupations that typically require a degree at the entry level was higher than \$37,690, the median wage for all occupations in 2017. (A median wage is the point at which half of workers earned more than this amount and half earned less.)

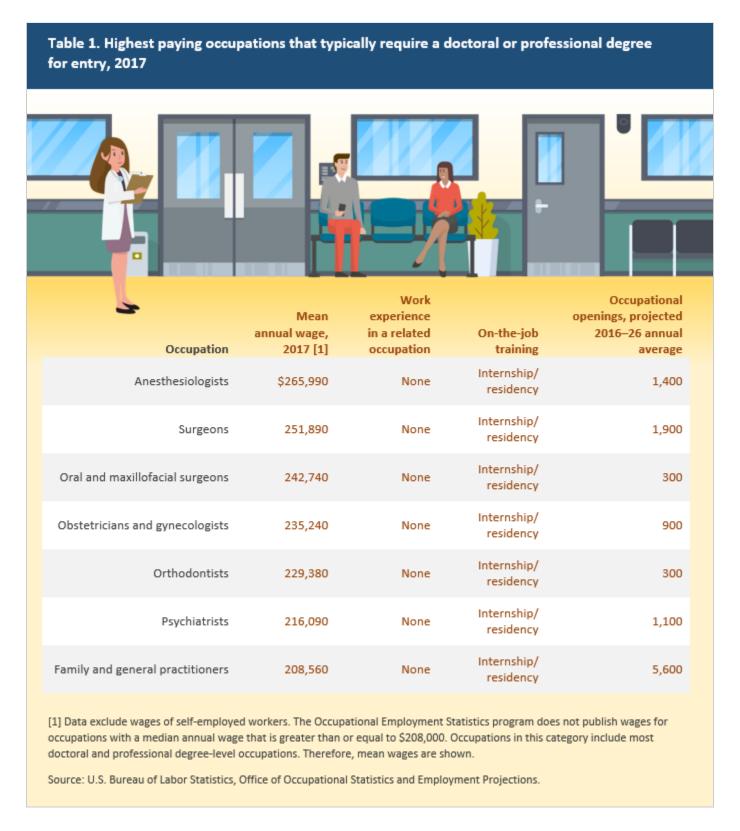


The top-paying occupations that typically don't require a degree for entry also exceeded \$37,690, even though the overall median annual wage for occupations in these categories paid less than that. The tables that follow show some of the variation among high-wage occupations in different education categories. For example, the best-paying occupations in which the typical entry-level education is a high school diploma had a median wage topping that of some of the highest paying associate's degree-level occupations in 2017.

For each occupation listed, the tables also show the experience typically required at the entry level; on-the-job training typically required to attain competency; and annual openings, on average, projected from 2016 to 2026.

Doctoral or professional degree

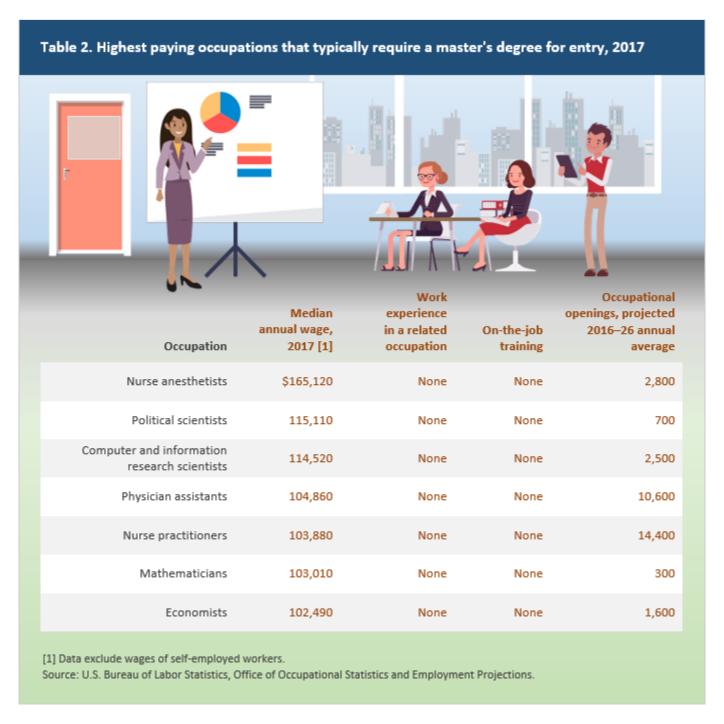
The highest paying education category is occupations that typically require a doctoral or professional degree for entry. The BLS Occupational Employment Statistics program does not publish wages for occupations that have a median annual wage greater than or equal to \$208,000. Therefore, table 1 shows mean, rather than median, wages.



The occupation of <u>family and general practitioners</u> is projected to have 5,600 openings each year, on average, from 2016 to 2026, the most of the highest paying occupations that typically require a doctoral or professional degree for entry.

Master's degree

All of the occupations listed in table 2 pay more than \$100,000 per year at the median. This is the only educational category in which all of the highest wage occupations typically don't have requirements for experience or on-the-job training.



The occupation of <u>nurse practitioners</u> is projected to have 14,400 openings annually, on average, from 2016 to 2026, the most of the highest paying occupations that typically require a master's degree for entry.

Bachelor's degree

The bachelor's-level occupations shown in table 3 paid more than six of the seven highest paying master's-level occupations—and <u>chief executives</u> tops even the highest paying master's-level occupation, <u>nurse anesthetists</u>. However, all but <u>petroleum engineers</u> typically require work experience in a related occupation for entry.



The occupation of <u>financial managers</u> is projected to have 56,900 openings each year, on average, from 2016 to 2026—the most of all the highest paying occupations shown in each education category.

Associate's degree

The highest paying occupation in table 4 is <u>air traffic controllers</u>, which had a wage that was more than triple the median wage for all workers. In this occupation, workers typically need long-term on-the-job training to become competent in their job tasks.



The occupation of <u>dental hygienists</u> is projected to have 17,500 openings each year, on average, from 2016 to 2026, more than any of the other highest paying occupations that typically require an associate's degree for entry.

Postsecondary nondegree award

Repair occupations are among the highest paying postsecondary nondegree award occupations shown in table 5. <u>Aircraft mechanics and service technicians</u> is the only occupation in the table that typically doesn't have requirements for work experience or on-the-job training in addition to completing an academic program.

Table 5. Highest paying occupations that typically require a postsecondary nondegree award for entry, 2017 Work Occupational Median experience openings, projected 2016-26 annual annual wage, in a related On-the-job Occupation 2017 [1] occupation training average Electrical and electronics Less than Moderate repairers, powerhouse, \$78,410 2,100 5 years term substation, and relay First-line supervisors of fire Less than Moderate 76,170 4,400 fighting and prevention workers 5 years term Less than Ship engineers 73,110 1,300 None 5 years Captains, mates, and pilots of Less than 70,920 None 4,400 water vessels 5 years Moderate Insurance appraisers, auto 62,100 None 1,500 damage term Aircraft mechanics and service 61,020 None None 10,900 technicians Electrical and electronics Long installers and repairers, 60,840 None 1,300 term transportation equipment [1] Data exclude wages of self-employed workers.

Source: U.S. Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections.

And the 10,900 openings projected each year, on average, from 2016 to 2026 for aircraft mechanics and service technicians is another way this occupation stands apart from the other highest paying occupations that typically require a postsecondary nondegree award for entry.

High school diploma or equivalent

Wages for the top-paying high school-level occupations were more than double the median for all occupations. Each of the occupations listed in table 6 typically requires either work experience in a related occupation or on-the-job training—or both experience and training.

Table 6. Highest paying occupations that typically require a high school diploma or equivalent for entry, 2017



Occupation	Median annual wage, 2017 [1]	experience in a related occupation	On-the-job training	openings, projected 2016–26 annual average
Nuclear power reactor operators	\$93,370	None	Long term	500
Transportation, storage, and distribution managers	92,460	5 years or more	None	9,700
First-line supervisors of police and detectives	87,910	Less than 5 years	Moderate term	7,100
Power distributors and dispatchers	82,510	None	Long term	1,000
Detectives and criminal investigators	79,970	Less than 5 years	Moderate term	7,500
Elevator installers and repairers	79,480	None	Apprenticeship	3,000
Commercial pilots	78,740	None	Moderate term	4,000

[1] Data exclude wages of self-employed workers.

Source: U.S. Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections.

The occupation of <u>transportation</u>, <u>storage</u>, <u>and distribution managers</u> is projected to have 9,700 openings annually, on average, from 2016 to 2026, the most of the highest paying occupations that typically require a high school diploma or equivalent for entry.

No formal educational credential

As table 7 shows, <u>mine shuttle car operators</u> had the highest median annual wage of the occupations that typically don't require a formal educational credential for entry. On-the-job training is typically required for competency in all of the occupations shown.



The occupation of <u>service unit operators in oil, gas, and mining</u> is projected to have 6,400 openings each year, on average, from 2016 to 2026, the most of the highest paying occupations that typically don't require a formal educational credential for entry.

For more information

A complete list of occupational wages, as well as typical entry-level education requirements and projected openings, is available from the BLS <u>Employment Projections</u> program. Additional wage data are available from the <u>Occupational Employment Statistics</u> program.

Elka Torpey is an economist in the Office of Occupational Statistics and Employment Projections, BLS. She can be reached at torpey.elka@bls.gov.

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