

Employment in STEM Occupations

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What data do we have about STEM?

- Employment and wages
 - ▶ Occupational Employment Statistics (OES) survey, Bureau of Labor Statistics
- Employment Projections, 2008-2018
 - ▶ Employment Projections program, Bureau of Labor Statistics
- Education attainment and other characteristics of workers
 - ▶ American Community Survey, U.S. Census Bureau

What to include in STEM?

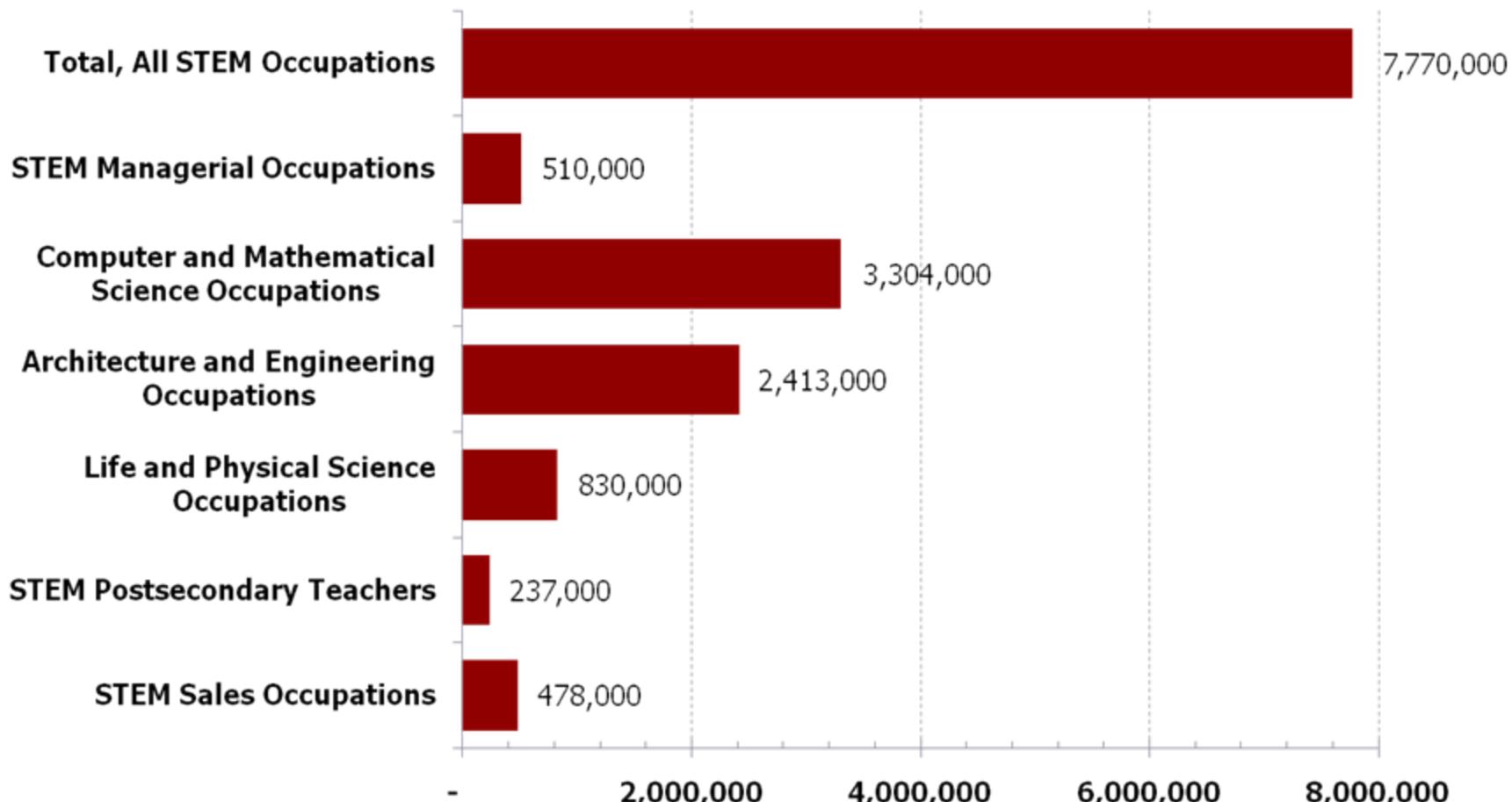
- Standard Occupational Classification (SOC)
 - ▶ Data presented here use the 2000 SOC
 - ▶ 2010 SOC revised some categories significantly, especially computer occupations
- BLS made a list of STEM occupations in the SOC
 - ▶ Other lists are broader or narrower

STEM Occupation Groups

- STEM Managerial Occupations
 - ▶ Computer and information science managers
 - ▶ Engineering and natural sciences managers
- Computer and Mathematical Science Occupations
 - ▶ Non-managerial computer occupations
 - ▶ Mathematical science occupations, including technicians
- Architecture and Engineering Occupations
 - ▶ Includes drafters, and engineering and mapping technicians
- Life and Physical Science Occupations
 - ▶ Includes technicians
- STEM Postsecondary Teachers
- STEM Sales Occupations
 - ▶ Sales representatives for technical and scientific products
 - ▶ Sales engineers

STEM Employment, May 2009

Non-farm Wage and Salary Employment

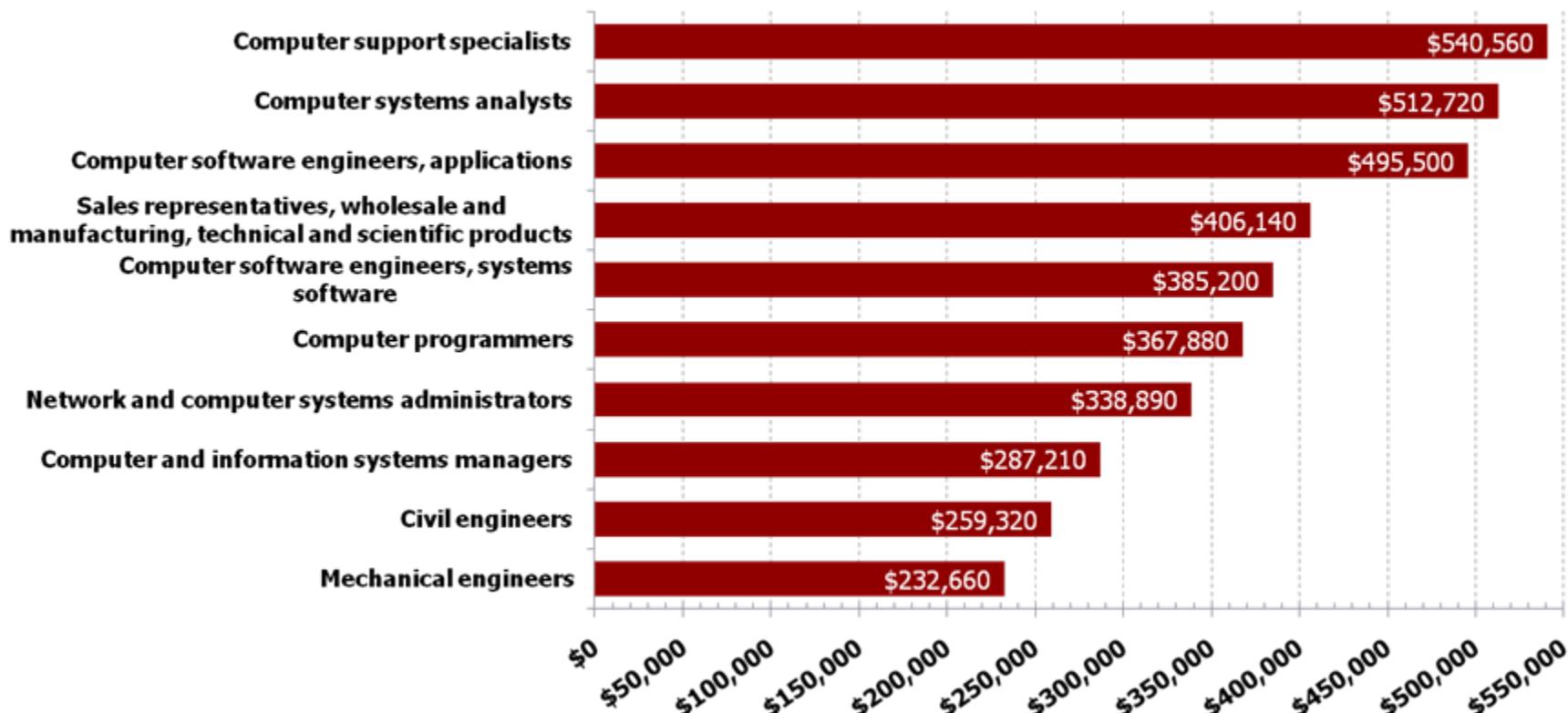


Source: Occupational Employment Statistics

Largest STEM occupations, May 2009

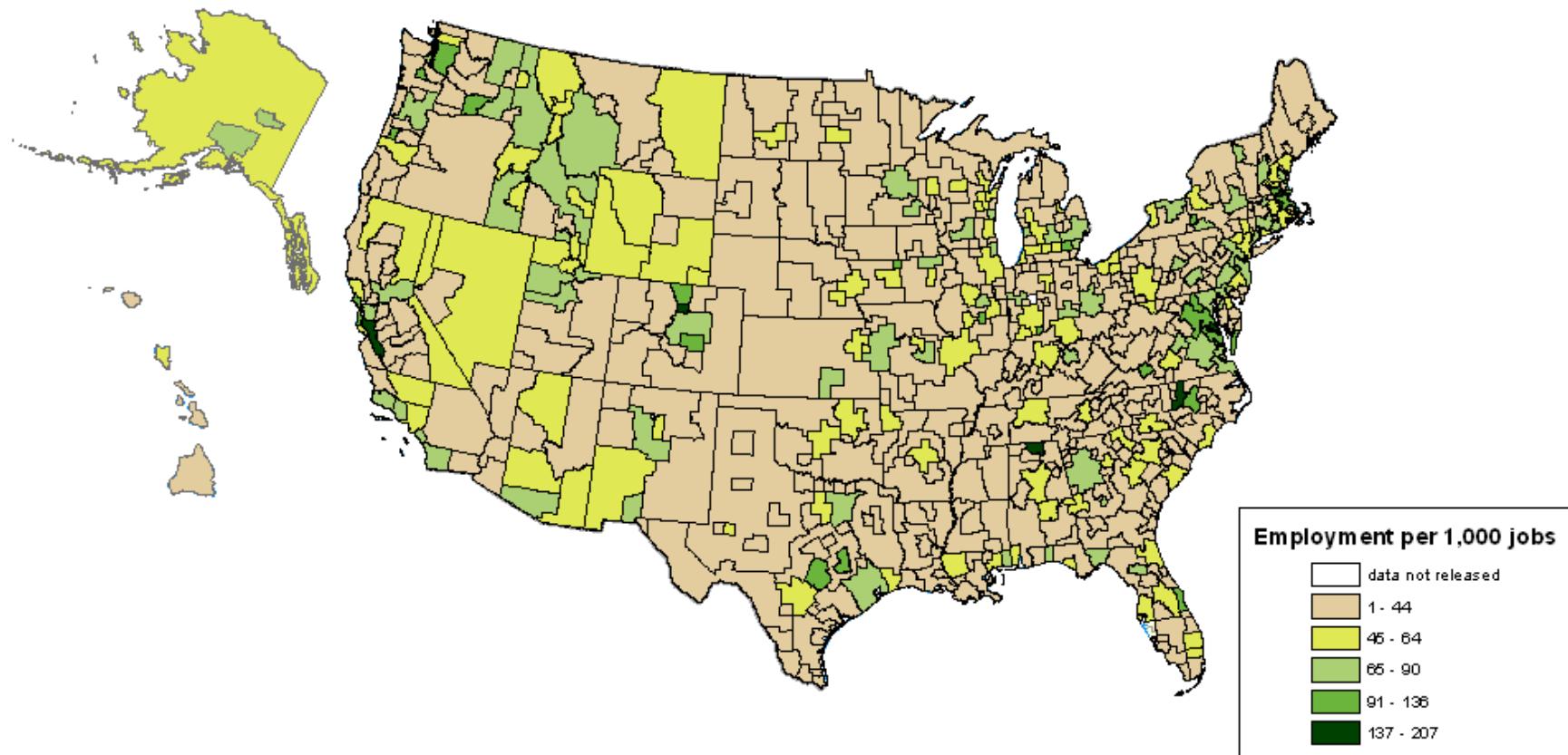
Most of the largest STEM occupations were related to computers.

Non-farm Wage and Salary Employment



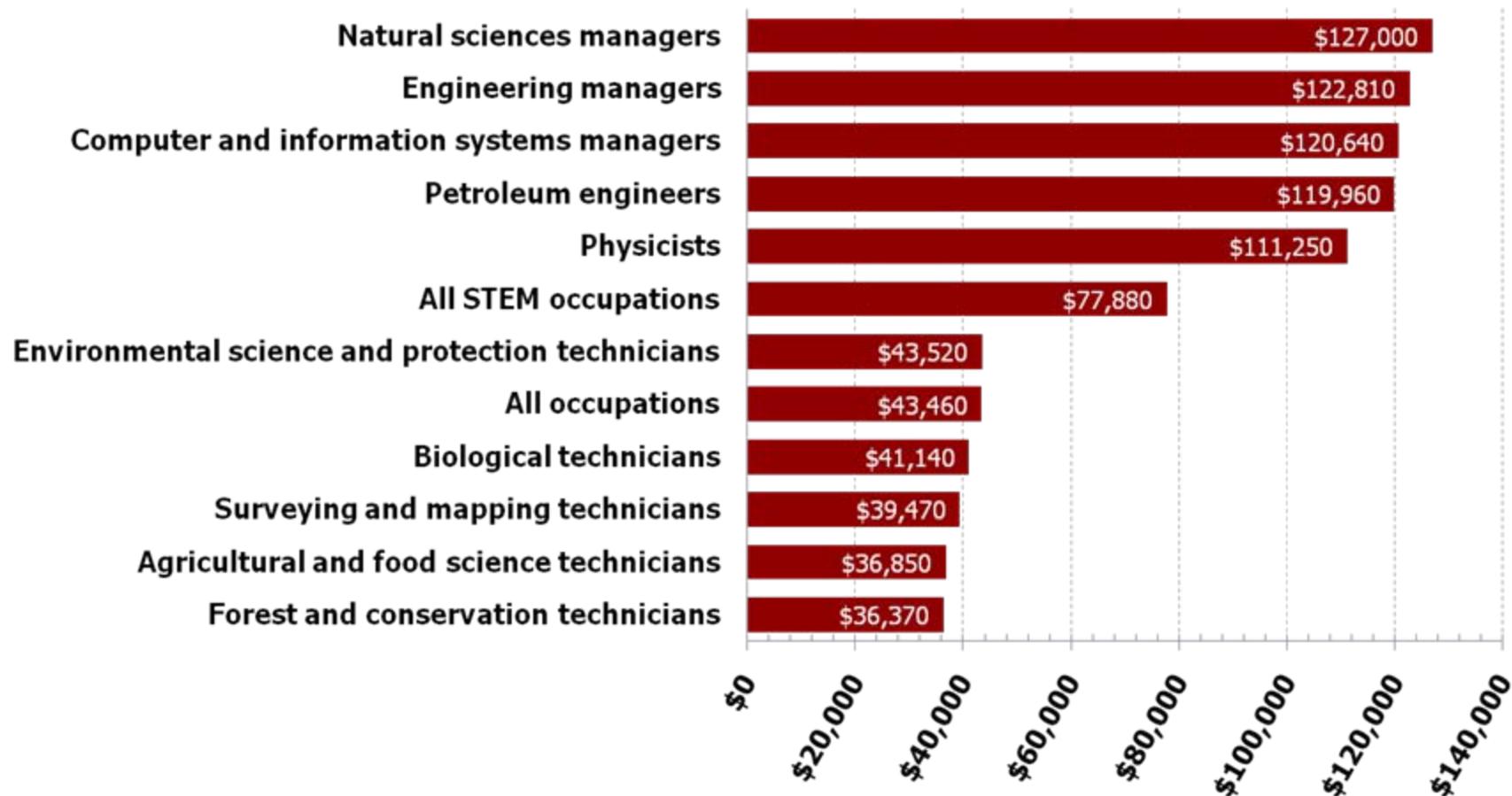
Source: Occupational Employment Statistics

STEM Occupations as a percent of total employment, by geographic area, May 2009



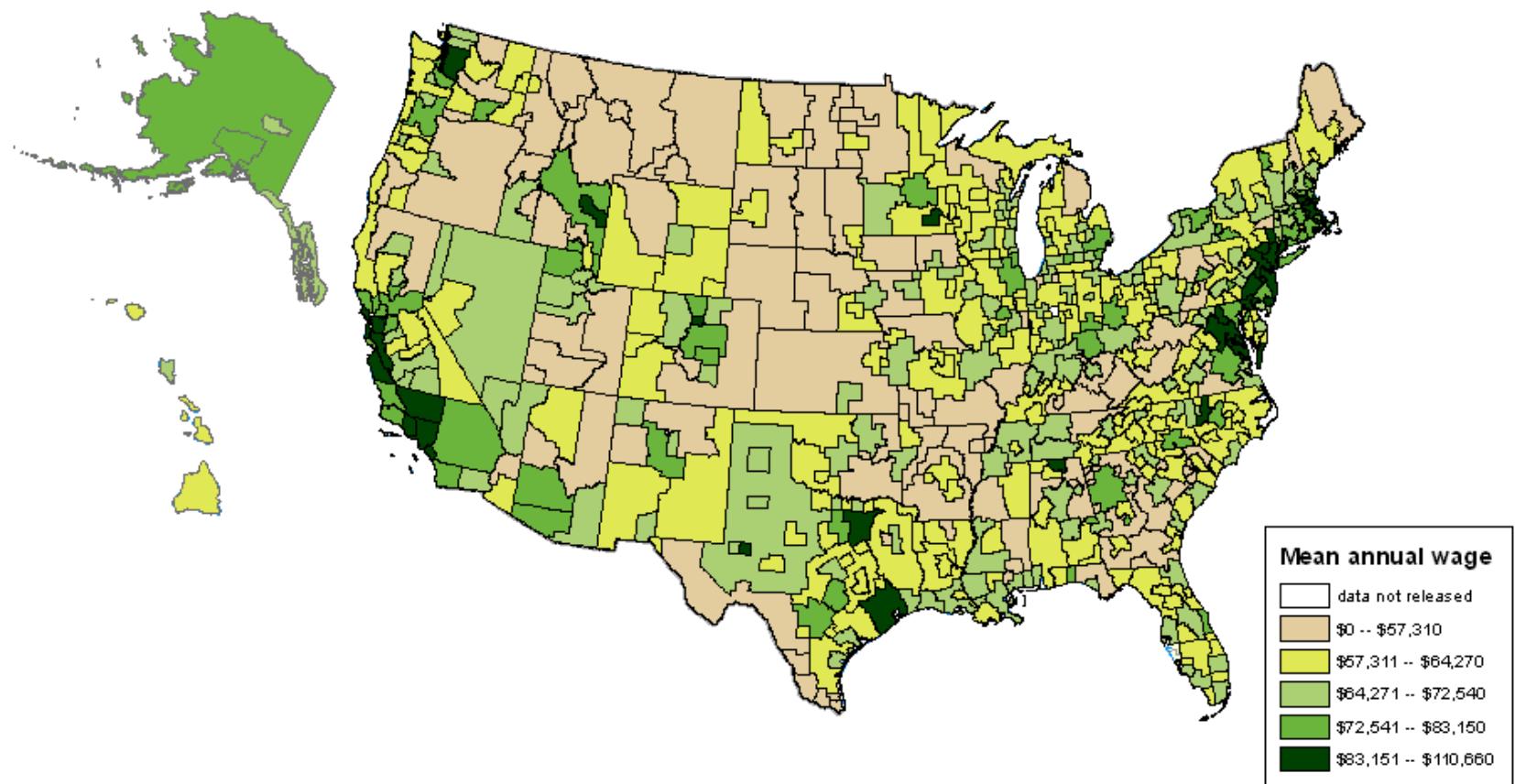
Highest and lowest paying STEM occupations, May 2009

Natural sciences managers was the highest paying STEM occupation.



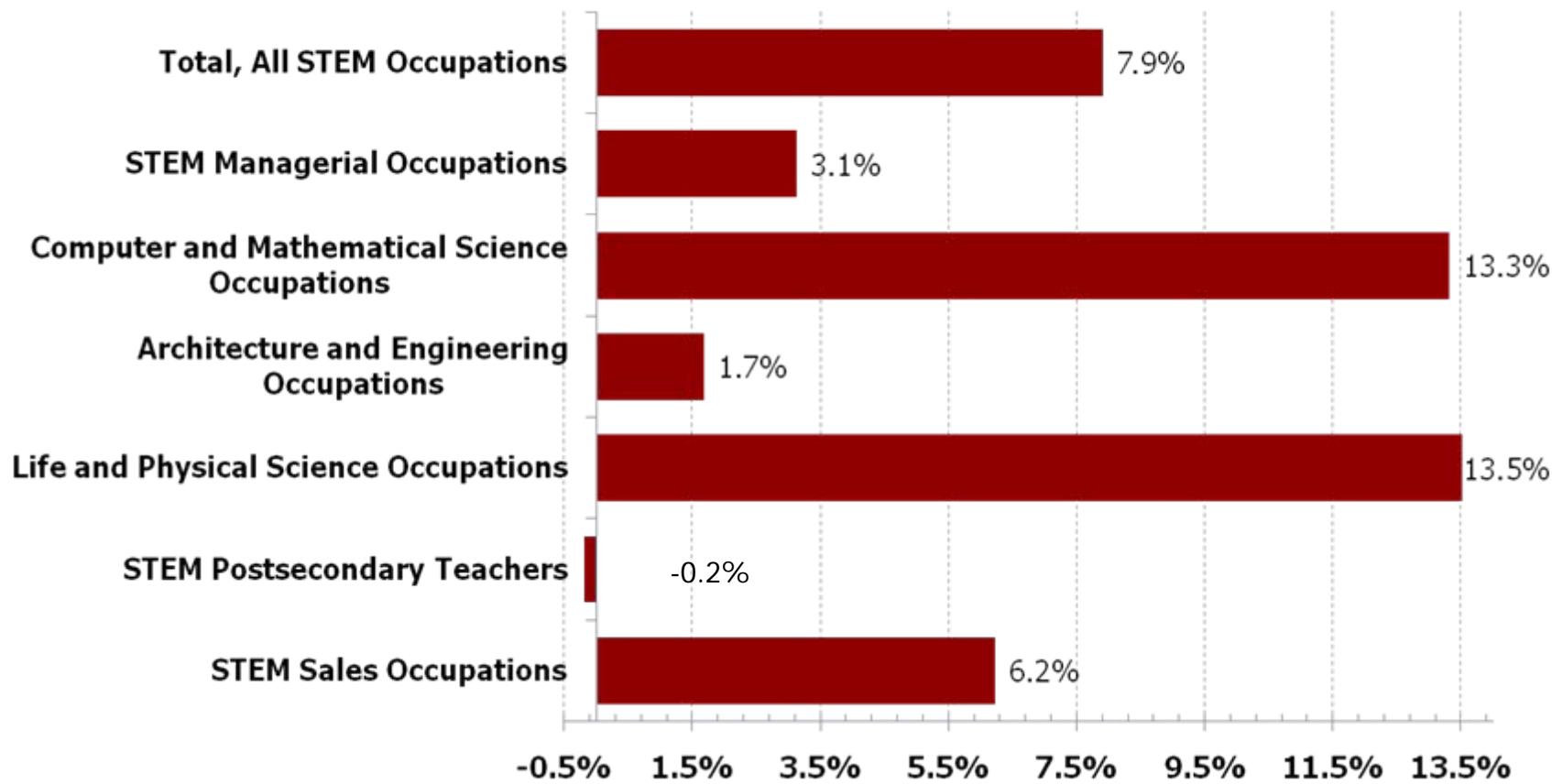
Source: Occupational Employment Statistics

Annual average STEM wages, by geographic area, May 2009



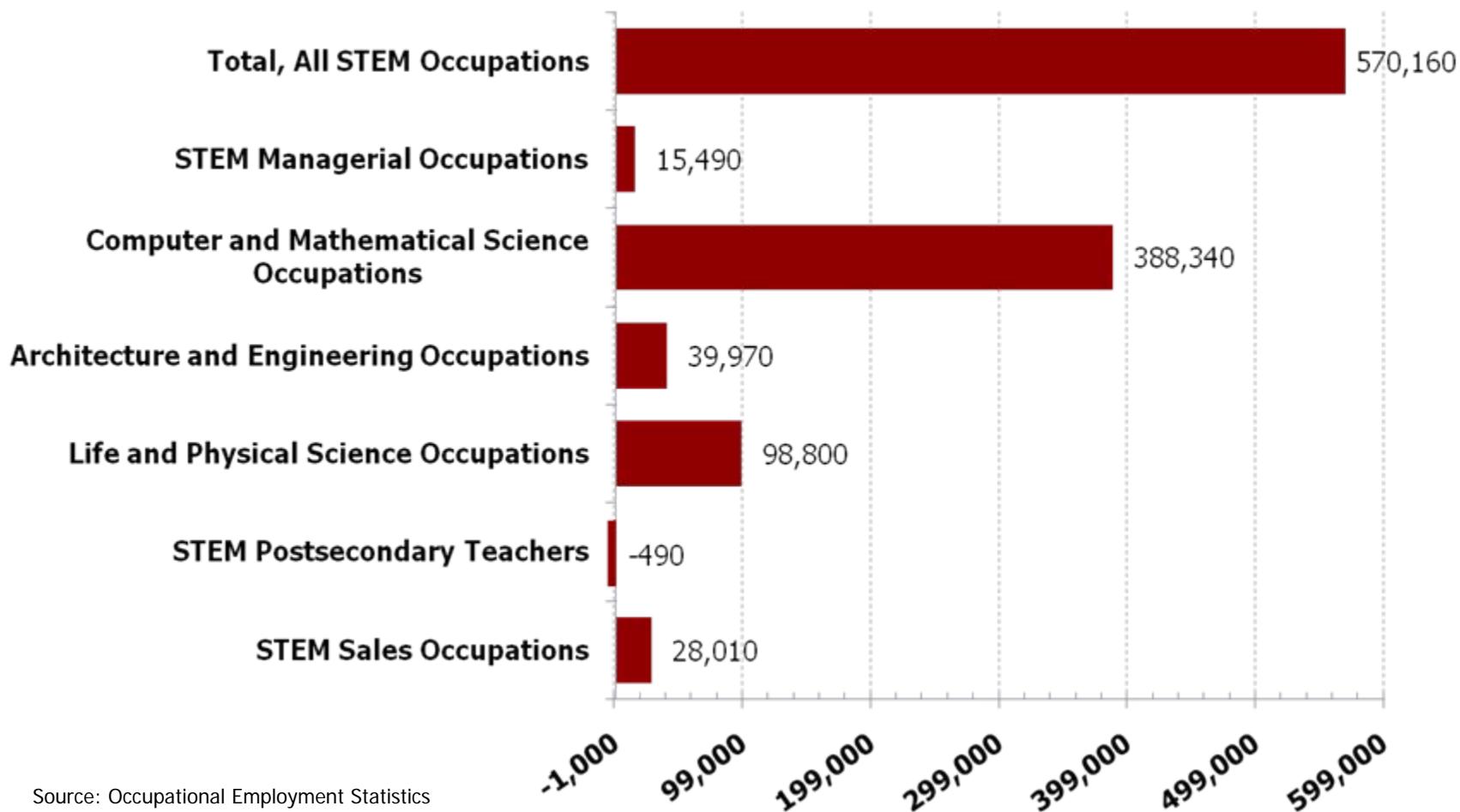
STEM Percent Employment Change, May 2004 to May 2009

Percent Change



STEM Employment Change, May 2004 to May 2009

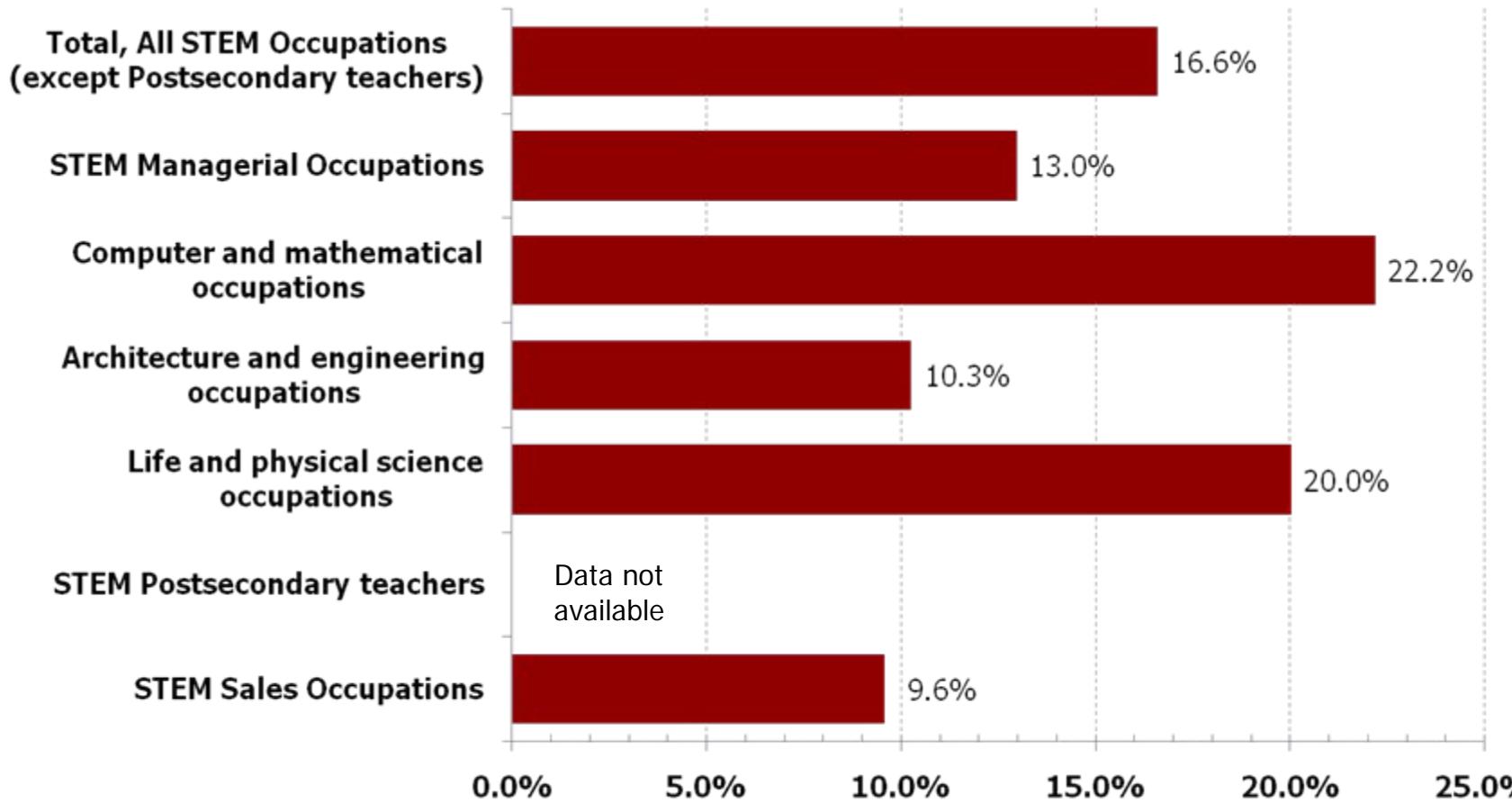
Employment Change



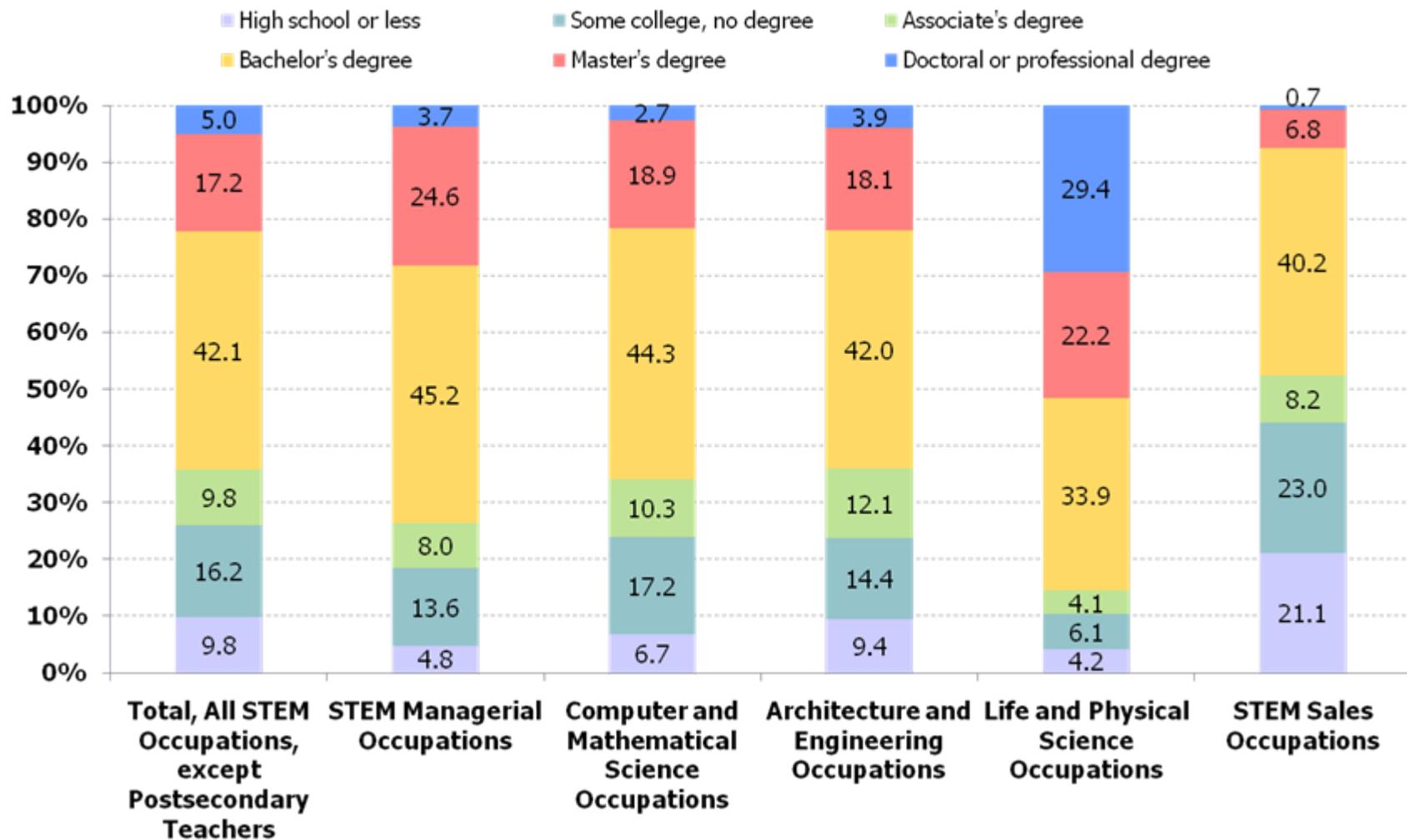
Source: Occupational Employment Statistics

STEM Projected Employment Change, 2008 to 2018

Percent Change



Educational Attainment in STEM Occupations



Source: American Community Survey, 2008
Note: Data are for workers 25 years and older.

Contact Information

Thank you!

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