



Health Technology Industries in the U.S. Economy

The thriving health care sector is gaining strength due to an aging population and the reliance on health professionals and technology to extend life and improve its quality. These health care-related industries rely heavily on and are leveraged by the existing high technology sector (see high-tech taxonomy). Therefore a formally defined **HEALTH-TECH** taxonomy provides metrics and data for economic developers and local leaders for growth and workforce planning and a host of other economic analyses.

With no official health-tech industrial definition in the North American Industrial Classification System, developing a standardized, research-based definition for health-tech is an important tool for analysts and decision makers across the country. Often health-tech definitions are restricted to occupational analyses. An industrial classification definition lends itself to commonly used economic-development and job-creation metrics such as economic multipliers and associated analytical tools. While not an official NAICS classification, such a definition provides a way to compare health-tech to high-tech and the official sectors in terms of the relative importance of these growing sectors and their influence on the rest of the economy.

This health-tech industry research endorsed the Science, Technology, Engineering and Mathematics (STEM) official occupations as its foundation. The health-tech taxonomy effort focused on health care occupations identified in the fourth subdomain of the Standard Occupation Classification Policy Committee STEM occupation list.

After reviewing the national average concentrations of STEM jobs across all industry sectors, concentration levels of 5 times and 2.5 times the national average were identified as producing a robust, scientific backed list of health-tech industries.

This research effort is funded by the Workforce Information Council. The Workforce Information Council is a partnership of the U.S. Bureau of Labor Statistics, state employment statistics agencies and other federal agencies to plan, guide and oversee the nationwide workforce information system.

44-45 - Retail Trade

54 - Professional, Scientific
& Technical Services

62 - Health Care and
Social Assistance

*Supersectors containing
the occupations that
comprise this taxonomy.



HEALTH-TECH INDUSTRY TAXONOMY - STEM - Subdomain 4

Health Occupations

Concentration of STEM Occupations by Industry



CORE CONCENTRATION

Industries with at least 5X average concentration in STEM occupations

PERIPHERAL CONCENTRATION

Industries with at least 2.5X average concentration in STEM occupations

5X

446100	Health and Personal Care Stores
621100	Offices of Physicians
621200	Offices of Dentists
621300	Offices of Other Health Practitioners
621400	Outpatient Care Centers
621500	Medical and Diagnostic Laboratories
622100	General Medical and Surgical Hospitals
622200	Psychiatric and Substance Abuse Hospitals
622300	Specialty (except Psychiatric and Substance Abuse) Hospitals
621900	Other Ambulatory Health Care Services

2.5X

541900	Other Professional, Scientific and Technical Services
621600	Home Health Care Services
623100	Nursing Care Facilities (Skilled Nursing Facilities)

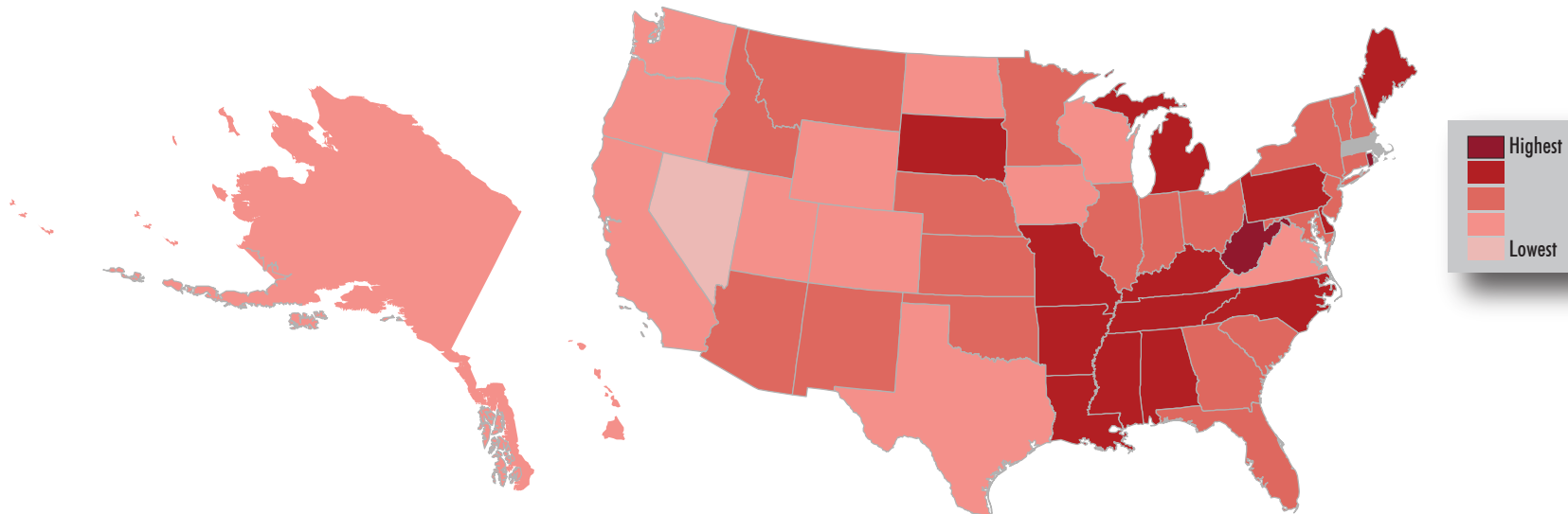
Below are the supersectors containing the industries that comprise this taxonomy.

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Concentration of Core Health-Tech Industries by State



Source: U.S. Census Bureau, Quarterly Workforce Indicators, 2013