Tech in Healthcare

Dice Tech Job Report: Special Edition

Key Trends

The need to alleviate staffing issues fuels a focus on tech, particularly through remote and "telemedicine" options.

A move to the cloud supports the industry's long-term vision of digitization and promotes cost savings and scalable innovation.

Healthcare companies are focused on building a better foundation of tech talent in preparation for a new era that will leverage data and technology more effectively.
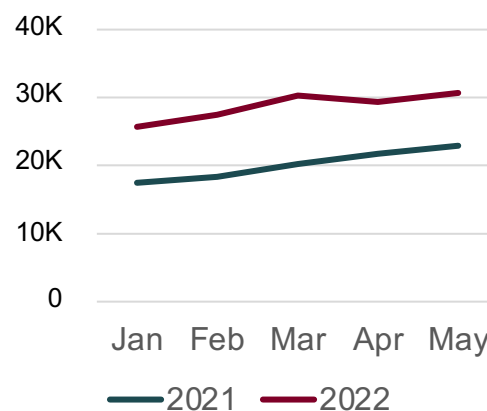
Resources

Check out Dice's **Employer Resource Center** for eBooks, webinars and more on tech hiring.

Foundational steps, including a move to the cloud, are being taken to move healthcare into the Digital Age. Though in part forced by staffing issues and extreme strain on the industry during the pandemic, tech roles are becoming increasingly sought-after in healthcare. For an industry that's known to be reliant on legacy technology, however, full digitization will take time.

U.S. Tech Job Postings in Healthcare

Much like the industry's move to digitization, its demand for tech jobs is in a gradual climb, increasing by just 5,000 tech job postings over five months.

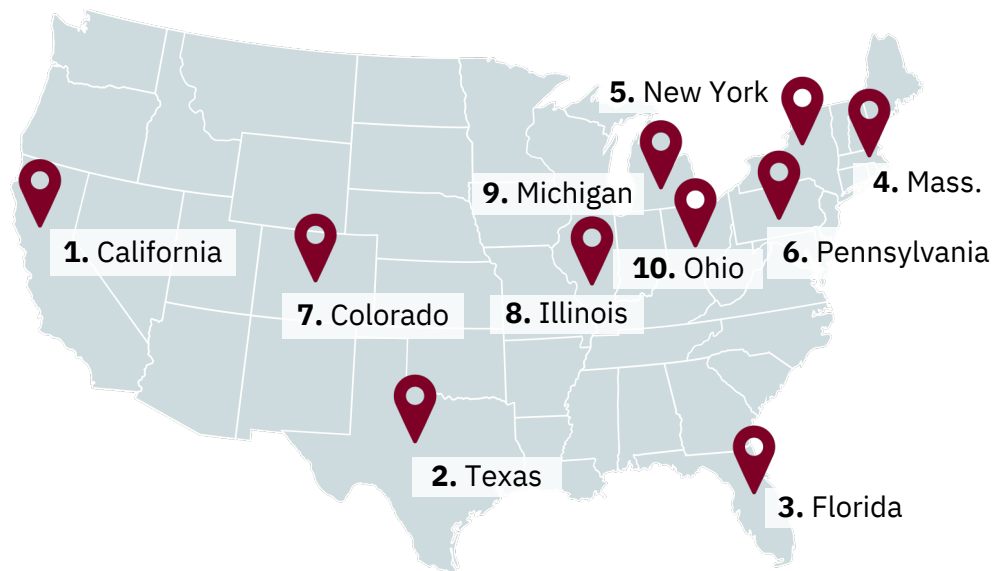Line chart — U.S. Tech Job Postings in Healthcare, y-axis 0 to 40K, x-axis Jan Feb Mar Apr May, series 2021 and 2022.

Top Occupations

Rank	Occupation
1	Software Engineer
2	Data Analyst
3	Business Analyst
4	Business Systems Analyst
5	Directors of Business Development
6	Credentialing Specialist
7	Business Intelligence Developer
8	Application Analyst
9	Data Scientist
10	Systems Administrator

The combination of demand for general Software Engineers and a variety of analysts shows that the healthcare industry is building from the ground up when it comes to tech support and innovation. As the industry moves through each step, technologists with more specialized skill sets and experience will be required.

Data will lead digitization decisions and efforts throughout, with support from Data Analysts, Data Scientists and Business Intelligence Developers, who are also in high demand currently.

Top States

As you might expect from an industry based around treating people, demand for healthcare-related tech talent is high in some of the nation's most populous states, including Texas, California, Florida and New York. These are also states with a concentration of healthcare companies, tech companies and massive hospital systems, all of which need technologists for a variety of projects. Demand seems unlikely to slacken anytime soon.

5. New York
9. Michigan
4. Mass.
1. California
6. Pennsylvania
10. Ohio
7. Colorado
8. Illinois
2. Texas
3. Florida

Top Tech Skills

Rank	Skill
1	Computer Science
2	Information Technology
3	SQL
4	Information Systems
5	Data Analysis
6	Agile Methodology
7	Project Management
8	Process Improvement
9	Technical Support
10	Python

Many of the top healthcare-related tech skills touch on organizations' data: SQL, information systems, data analysis and Python (which is heavily used in data analytics). Securing, managing and analyzing patient data is a key driver for many healthcare companies; technologists must also stay aware of stringent regulations such as HIPAA.

Healthcare companies also want technologists who have mastered the fundamentals of project management, technical support, and other disciplines that keep tech stacks running and growing. The ability to deal with complexity is a must.

Top Employers

Banner Health, though it had the highest number of tech job postings overall during this five-month period, started to see its hiring slow in April, becoming second to Highmark Health in the month of May. Highmark Health increased its tech job postings each month in Q1 at an average growth rate of 91% before stabilizing in April and May.

Intermountain Healthcare, Kaiser Permanente and Optum were the only employers on this list who have seen consistent growth in tech job postings month-to-month since the beginning of the year.

Rank	Company
1	Banner Health
2	Highmark Health
3	HCA Healthcare
4	Intermountain Healthcare
5	LabCorp
6	Kaiser Permanente
7	Mayo Clinic
8	ChenMed
9	Optum
10	Fresenius Medical Care

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