



June 7, 2021

# Low supply plagues high demand for cybersecurity experts

Ransomware cyberattacks on the United States' largest fuel pipeline in May and on JBS Foods, the world's largest meat supplier, in June, have highlighted an urgent need for increased cybersecurity monitoring to protect U.S. infrastructures, industries, businesses and consumers from hackers.

According to CyberSeek — a joint-initiative data tool of the U.S. Commerce Department, a job market analytics firm and a workforce nonprofit — supply shortages of cybersecurity workers exist nationwide. CyberSeek reports that from April 2020 through March 2021, about 1 million cybersecurity workers across the country were employed in public and private sectors and about 500,000 more cybersecurity-related jobs were available. Every state was looking to hire.

For example, Alabama had 5,604 cybersecurity jobs openings, while it employed 11,380 cybersecurity workers. That means that for every two jobs filled, there was an additional job available.



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Sources: CyberSeek - a joint initiative between the National Initiative for Cybersecurity Education, led by the National Institute of Standards and Technology; job market analytics and strategic intelligence provider Burning Glass Technologies; and global technology industry and workforce nonprofit CompTIA

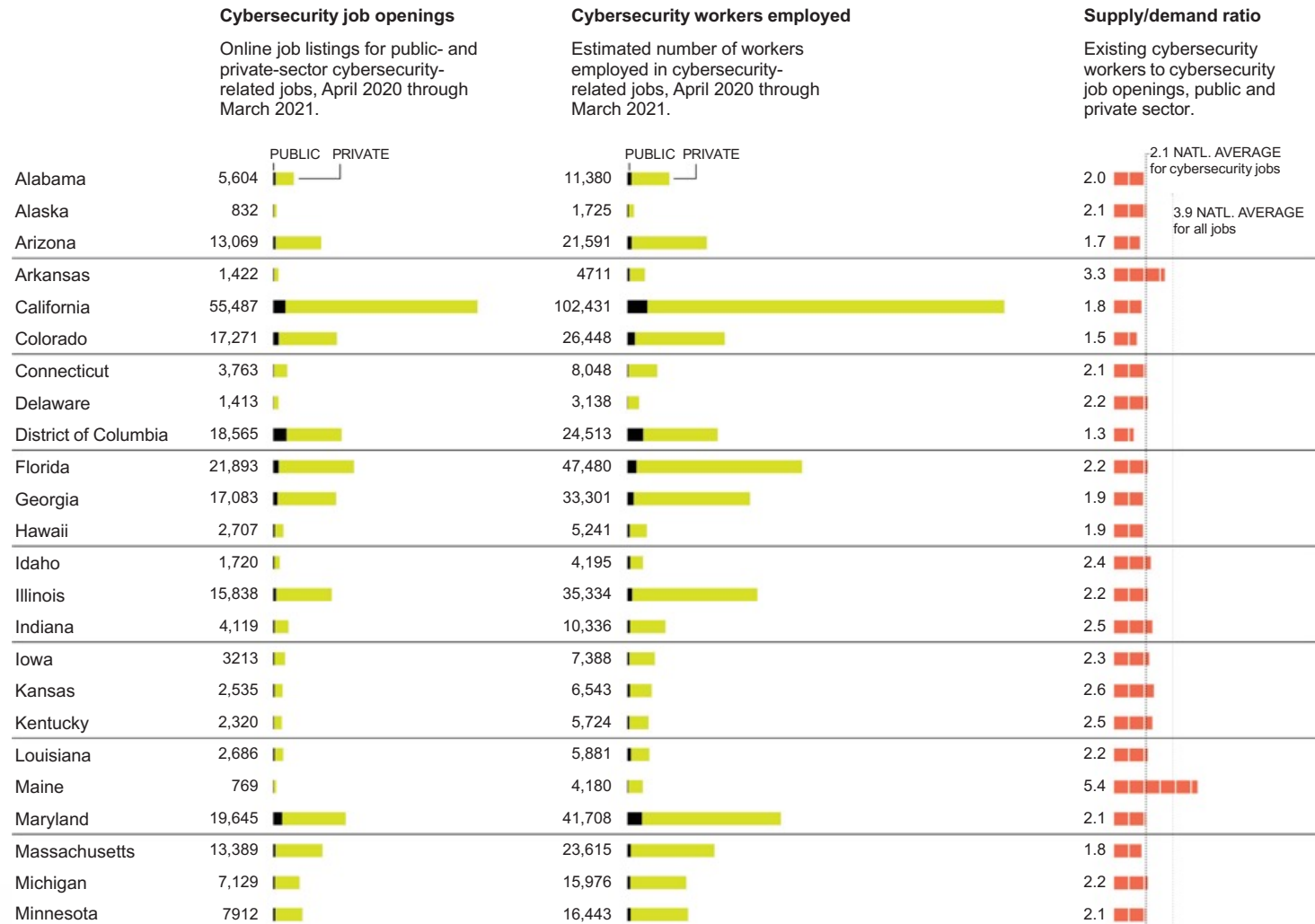
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## Cybersecurity job openings

Online job listings for public- and private-sector cybersecurity-related jobs, April 2020 through March 2021.

## Cybersecurity workers employed

Estimated number of workers employed in cybersecurity-related jobs, April 2020 through March 2021.

## Supply/demand ratio

Existing cybersecurity workers to cybersecurity job openings, public and private sector.

		PUBLIC	PRIVATE		PUBLIC	PRIVATE		
Mississippi	1,478			3,676			2.5	2.1 NATL. AVERAGE for cybersecurity jobs
Missouri	7,593			18,680			2.5	3.9 NATL. AVERAGE for all jobs
Montana	724			2,637			3.6	
Nebraska	2,458			5,915			2.4	
Nevada	2,505			4,434			1.8	
New Hampshire	1,075			2,999			2.8	
New Jersey	11,139			25,383			2.3	
New Mexico	2,195			5,902			2.7	
New York	19,432			54,053			2.8	
North Carolina	17,660			33,072			1.9	
North Dakota	840			1,762			2.1	
Ohio	10,448			24,461			2.3	
Oklahoma	2,576			6,878			2.7	
Oregon	3,998			9,366			2.3	
Pennsylvania	14,413			29,483			2.0	
Rhode Island	1,283			2,895			2.3	
South Carolina	5,145			12,094			2.4	
South Dakota	679			2,052			3.0	
Tennessee	5,064			11,145			2.2	
Texas	42,469			81,544			1.9	
Utah	4,125			9,207			2.2	
Vermont	528			1,620			3.1	
Virginia	49,151			85,200			1.7	
Washington	9,953			24,190			2.4	
West Virginia	1,298			4,275			3.3	
Wisconsin	4,664			10,166			2.2	
Wyoming	366			1,231			3.4	

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