

Federal Chief Data Officers

The subject of Data Science and Analytics is rapidly growing in US Federal Government spend. Its growth is so explosive that agencies are hiring Chief Data Officers responsible for information assets. Govini has developed a data science and analytics taxonomy to track spend on all facets of the market.

This Insider Snapshot highlights top spending agencies in each of the four taxonomy categories and compares the top spenders to those agencies investing or looking to invest in data science human capital.

NASA is the leading spender of all the taxonomy categories, accounting for 24% of the total market spend since 2008 and is looking to hire a CDO. In second place is HHS which has a CDO and captured 14% of the market. Defense wide agencies followed with 11%. Interestingly, the military bureaus are not utilizing CDOs to guide potential investment strategies.

Agency CDO Status

Agency	Has CDO	Seeking CDO	Does Not Have CDO
Department of Agriculture	🔥		
Department of Commerce	🔥		
Commodity Futures Trading Commission	🔥		
Department of Education	🔥		
Department of Energy	🔥		
Health and Human Services (CMS)	🔥		
Department of Homeland Security (FEMA)	🔥		
Department of Transportation	🔥		
US Agency for International Development	🔥		
NASA		🔥	
Department of Treasury		🔥	
Department of the Air Force			🔥
Department of the Army			🔥
Department of Defense			🔥
Environmental Protection Agency			🔥
General Services Administration			🔥
Housing and Urban Development			🔥
Department of the Interior			🔥
Department of Justice			🔥
Department of the Navy			🔥
Office of Personnel Management			🔥
Securities and Exchange Commission			🔥
Social Security Administration			🔥
Department of State			🔥
Department of Veterans Affairs			🔥

Data Ingestion

HHS leads spending on data ingestion, accounting for 25% of market spend since 2008. CMS program monitoring and evaluation work performed by Deloitte stands out as a market driver.

Top Federal Agencies	Spend*
Health and Human Services	\$179.7 M
NASA	\$112.4 M
Department of Veterans Affairs	\$106.8 M
Department of the Air Force	\$44.1 M
Department of Transportation	\$42.6 M
Department of Defense	\$41.9 M
Department of the Army	\$41.8 M
Department of the Navy	\$32.7 M

Data Storage

HHS spends the most on data storage, accounting for 11% of the market, followed by Army and Navy, each with 10%. Mythics, a reseller of Oracle products, captured 20% of Army spend and Lockheed Martin leads capture from HSS with a data warehouse contract from CMS.

Top Federal Agencies	Spend*
Health and Human Services	\$249.1 M
Department of the Army	\$214.1 M
Department of the Navy	\$214.0 M
Homeland Security	\$169.3 M
Department of Defense	\$156.8 M
Department of the Air Force	\$149.0 M
Department of Veterans Affairs	\$137.2 M
Social Security Administration	\$133.1 M

Dashboard & Reporting

NASA is the largest consumer of dashboard and reporting services by a large margin. Adnet Systems, Sigma Space, and Honeywell International are top commercial providers.

Top Federal Agencies	Spend*
NASA	\$2.9 B
Health and Human Services	\$1.2 B
Department of Defense	\$1.0 B
Department of the Army	\$531.1 M
Department of the Navy	\$512.3 M
Department of the Air Force	\$504.5 M
Homeland Security	\$480.6 M
Department of Veterans Affairs	\$365.9 M

Software & Hardware

The analytics hardware and software market grew 127% from 2008 to 2014. Leading providers include Palantir Technologies, Environmental Systems Research Institute, Carahsoft and immixGroup.

Top Federal Agencies	Spend*
Department of the Army	\$292.0 M
Department of Defense	\$190.3 M
Homeland Security	\$138.7 M
Department of the Air Force	\$129.1 M
Department of the Navy	\$127.2 M
Health and Human Services	\$98.2 M
Department of Agriculture	\$91.1 M
Department of Justice	\$90.0 M

* Calendar Years 2008 - Present

Maintenance | Energy, Water, & Environment
 Governance & Education | Healthcare
 Sciences | IT & Telecommunication
 Safety & Defense | Transportation & Infrastructure
 Business & Financial Services | Construction
 Maintenance | Energy, Water, & Environment
 Governance & Education | Healthcare
 Sciences | IT & Telecommunication
 Safety & Defense | Transportation & Infrastructure
 Business & Financial Services | Construction
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Sciences | IT & Telecommunication
 Safety & Defense | Transportation & Infrastructure
 Business & Financial Services | Construction & Maintenance