EAGB
Economic Alliance of Greater Baltimore

CYBERSECURITY
GREATER BALTIMORE INDUSTRY PROFILE 2020

The Greater Baltimore Region
7 Jurisdictions

- Anne Arundel County
- Baltimore City
- Baltimore County
- Carroll County
- Cecil County
- Harford County
- Howard County

The Greater Baltimore Region plays a lead role in the global fight to stop cybercrime, which is estimated to cost the world as much as $6 trillion annually by 2021 (Cisco, 2019). Cybersecurity firms are playing a large and ever-growing role in the Region's business landscape. The industry is thriving due to Greater Baltimore's unique proximity to federal cyber assets – the Region is bookended by Fort George G. Meade and Aberdeen Proving Ground – and its high density of talented researchers and cyber workers. Coordinated investments in cyber clusters throughout the region, along with a robust ecosystem that supports the continued growth of the industry and the jobs it creates, are catalysts for establishing the Greater Baltimore region as the Silicon Valley of cybersecurity for the 21st century.

Providing Access to Federal Installations

Greater Baltimore is home to the headquarters of US Cyber Command and NSA at Fort George G. Meade and the Army's Communications and Electronics Command at Aberdeen Proving Ground. These assets and the federal spending that go with them, gives the region the greatest concentration of cyber-skilled labor in the world, and offers a firm foundation for commercial cybersecurity businesses to flourish.

Investing in Innovation

Maryland is #1 in the amount of academic, federal, and computer science research and development funds spent per capita. Greater Baltimore's **Johns Hopkins University leads universities nationwide in R&D funding** - just one of Greater Baltimore's many institutions building the pipeline for commercialization.

Maryland **#1** in Academic R&D density

Maryland **#1** in Federal R&D density

Maryland **#1** in Computer Science R&D density
(NSF, 2018)

Cyber-focused Incubators + Commercialization

bwtech @UMBC RESEARCH & TECHNOLOGY PARK

DEF TECH MARYLAND

Cybersecurity 500

Greater Baltimore is a distinctive HQ location for cyber companies. Eleven companies listed in the 2018 global "Cybersecurity 500" were based in Greater Baltimore (Cybersecurity Ventures, 2018).

Cyber Companies Headquartered in Greater Baltimore

DRAGOS

ENVEIL ENCRYPTED VEIL

IronNet Cybersecurity

KeyW Innovation Beyond Expectation

PROTENUS

silent circle

sonatype

tenable network security

TRUSTEDKNIGHT

ZEROFOX

TERBIUM LABS

410-468-0100 | greaterbaltimore.org

EAGB
Economic Alliance of Greater Baltimore

CYBERSECURITY
GREATER BALTIMORE INDUSTRY PROFILE 2020

Educating a High-Tech Workforce

Greater Baltimore's cyber leadership starts with its world-class educational pipeline. The region has nine Centers of Academic Excellence in Cyber Defense, four of which are at the Associates' degree level – the same number as California, New York, and the District of Columbia, **combined**. The Region **also leads the country** in producing a diverse cyber workforce, with the most HBCU-based Centers of Academic Excellence of any state.

	GB	**MD**
Centers of Academic Excellence in Cyber Defense	**9**	**16** (tied 2nd)
at an Associates' Degree-level	**4**	**6** (tied 1st)
at a Historically Black College or University	**1**	**2** (tied 1st)

Data from NIETP, 2019.

National Rankings

Maryland **#1**	Maryland **#2**
% of degree programs in Computers, Mathematics, and Statistics	in density of Science, Engineering, and Health PhDs
(ACS, 2017)	(NSF, 2015)

Greater Baltimore **#4**
% of population (25+) with an advanced degree
(ACS, 2017)

Cyber Champions

CYBERSECURITY ASSOCIATION OF MARYLAND, INC.

Maryland DEPARTMENT OF COMMERCE

MARYLAND TECH COUNCIL

A Buzzing Market for Talent

Maryland, and in particular Greater Baltimore (GB), provides a rich environment for those seeking jobs in the cyber industry due to the Region's demand for cyber workers at all skill levels. Combined with Greater Baltimore's unique amenities and relatively low cost of living, the market for cyber professionals ranging from Information Security Analysts to Computer & Information Research Scientists is buzzing.

National Rankings

#2	**#2**
Cyber job openings per capita (Cyberseek, 2019)	Cyber workers per capita (Cyberseek, 2019)

Computer + Information Research Scientists

GB #3 MSA   **MD #1**

Information Security Analysts

GB #3 MSA (BLS, 2018)   **MD #2** (BLS, 2018)

A Prime Location for Cyber Innovation

Across the Region, from Ft. Meade, the US Cyber Command and NSA to Aberdeen Proving Grounds, the Army Research Lab and Futures Command, businesses have a wide and diverse menu of real estate options to choose from: existing business parks, newly developing mixed use communities, and historic buildings adapted for the needs of innovative and technologically sophisticated companies.

Army Research Lab C5ISR

Baltimore

GREATER BALTIMORE

US Cyber Command NSA Headquarters

Washington DC

410-468-0100 | greaterbaltimore.org

@Econ_Alliance   @greaterbaltimore   Economic Alliance of Greater Baltimore   Greater Baltimore