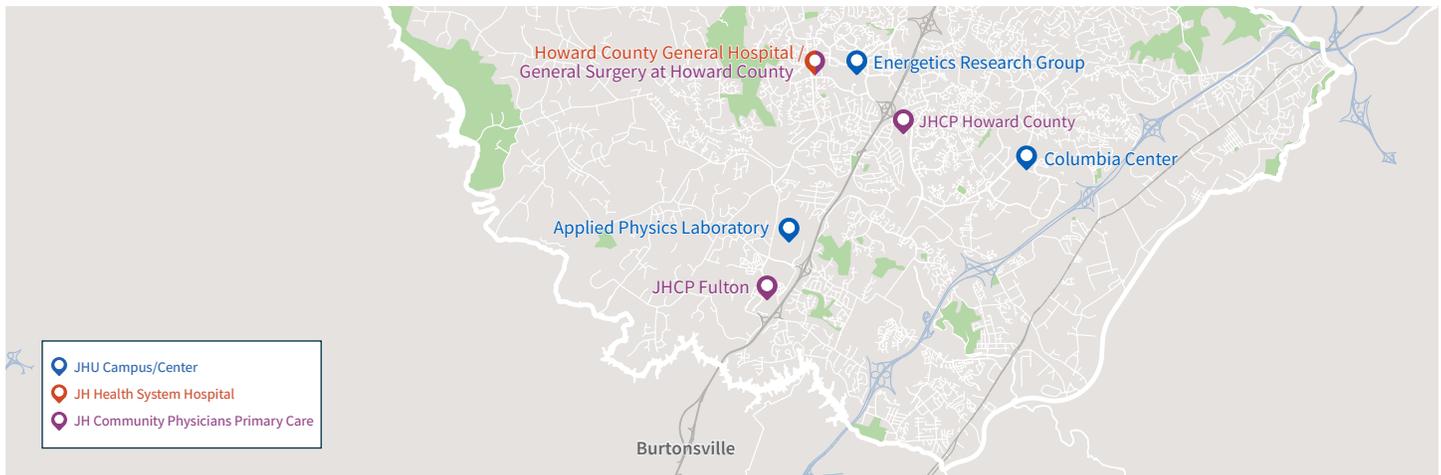


JOHNS HOPKINS IN HOWARD COUNTY

Johns Hopkins Facilities in Howard County



APL: Howard County's largest private employer

With a budget of more than \$1.4 billion and 6,327 in-county employees in the spring of 2017, the Johns Hopkins University Applied Physics Laboratory is Howard County's largest private employer, and one of the nation's largest university-affiliated research centers. APL's work includes research on national security problems; development of new cybersecurity technologies; advances in robotics and machine learning; space exploration; and development of new medical technologies. The Lab is also actively engaged in efforts to strengthen STEM education in the County's public schools.

Johns Hopkins in Howard County - FY 2017

8,873	JH employees working in the County
6,618	County residents employed by JH
\$658M	Wages and salaries paid by JH to County residents
652	County residents enrolled at JH
\$3.6M	Financial aid to students residing in the County
\$1.4B	Research and related spending by APL
\$1.7M	Taxes and fees paid to local governments in the County
\$102.5M	Paid to Howard County suppliers and contractors
402,492	Patient visits by County residents to JH health care providers
\$3.9M	Financial assistance provided at cost by Howard County General Hospital to uninsured and underinsured patients
404	Participants in APL's summer internship programs



Educating County Residents

Number of County residents enrolled at JH, spring 2017	652
JHU undergraduates	80
JHU graduate/professional	572
Number of JH alumni living in Howard County	9,928
Financial aid from University sources to students residing in Howard County, FY 2017	\$3,590,514



Delivering Health Care

Number of JH patient encounters involving County residents, FY 2017	402,492
Number of inpatient discharges of County residents from JHHS hospitals	16,917
Number of outpatient visits by County residents to JHHS hospitals	97,726
Number of emergency visits to JHHS hospitals by County residents	44,270
Number of patient visits to JHCP primary and specialty care centers located in Howard County	151,645
Number of County residents served by JH Clinical Practice Association	85,812
Number of County residents served by JH Home Care Group	6,122
Number of participants in JHHC health plans living in Howard County, FY 2017	20,548



Johns Hopkins in the Community

Taxes and fees paid by JH to local government in Howard County, FY 2017	\$1,664,035
Number of JH students serving internships at schools/institutions in the County, 2016-17	49
Value of community benefits (including financial assistance, community health services, education of health professionals, etc.) provided by Howard County General Hospital, FY 2017	\$21,303,129
Value of financial assistance provided at cost by Howard County General Hospital to uninsured and underinsured patients, FY 2017	\$3,917,722
Hours worked by APL employees in school and community outreach programs, FY 2017	17,505
Number of participants in APL's summer internship programs, summer 2017	404



Examples of Innovative Howard County Companies with Ties to JH

Sensics, Inc., Columbia, develops and manufactures high-performance virtual reality products based on technology licensed from APL

TeamWorx Security, Columbia, founded by a former APL employee, helps clients defend against asymmetric cyber threats

FRIS, LLC, Highland, has developed multi-sensor platforms designed to meet the needs of autonomous vehicles, based on technology licensed from APL

Natsar Pharmaceuticals, Ellicott City, is developing a new class of drugs, based on technology licensed from JH, that promises to inhibit the growth of several types of cancer

Enveil, Fulton, is a data protection company founded in 2016 by a former APL employee

Howard County General Hospital

Howard County General Hospital is the fast-growing County's only acute-care hospital, with strengths in women's and children's health, emergency medicine, intensive care, surgery, psychiatry, stroke, cardiology and community health education. Howard County General is also the County's second-largest private employer (2018). In 2018, Howard County General became the first community hospital to host a branch of the Johns Hopkins Armstrong Institute for Quality and Patient Safety, one of the nation's leading centers of research and innovation aimed at improving the quality and safety of health care. Armstrong Institute at Howard County General will focus on translating the results of the Armstrong Institute's work into practical improvements that can be implemented by community hospitals.