



# Stony Brook Medicine

## Stony Brook Medicine 2016 Cascade

Stony Brook Medicine (SBM) is a large health system in Suffolk County, New York consisting of Stony Brook University Hospital, Stony Brook Children's Hospital, more than 90 community-based healthcare settings as well as affiliations with Southampton Hospital and Eastern Long Island Hospital. In addition to being a state-Designated AIDS Center (DAC), SBM serves as the region's only tertiary care center and Regional Trauma Center, and is home to the Stony Brook University Heart Institute, Stony Brook University Cancer Center, Stony Brook Children's Hospital (SBCH) and Stony Brook University Neurosciences Institute. SBUH also encompasses Suffolk County's only Level 4 Regional Perinatal Center, state-designated Comprehensive Psychiatric Emergency Program, state-designated Burn Center, the Christopher Pendergast ALS Center of Excellence, Kidney Transplant Center, Pediatric Multiple Sclerosis Center, Dental School, and a Department of Surgery which consists of 10 clinical divisions that represent diverse areas of surgical specialization.

SBM's "Open Case Load" was 1230. Of those at least 60.00% were receiving HIV primary care at SBM; of the remainder 3.17% were seen at SBUH for ambulatory services (laboratories, imaging, ambulatory surgery), 3.01% in the SBUH Emergency Room, 1.79% SBUH in-patient, 8.13% for primary care, 2.76% for gynecological care, 7.72% for specialty care (cardiology, endocrinology, dermatology, gastroenterology, hematology, nephrology, neurology, oncology, ophthalmology, orthopedic, pain management, psychiatric, sleep medicine, urology, etc.), 2.76% for surgical consults (general, colorectal, bariatric, otolaryngology, plastics, trauma, and/or vascular) and 10.65% at Southampton Hospital (inpatient, laboratories, and/or emergency).

SBM's "Active Caseload" was 60.0% (n=738) of the "Open Case Load". Those who were excluded included those patients who were deceased, incarcerated, engaged in care outside SBM (transferred and/or moved), and those with an unknown disposition (lost to follow-up for more than 2 years) during 2016. Of those who are active, 99.19% (n=732) were prescribed ART and 91.06% (n=672) had a suppressed viral load. In regards to those not prescribed ART, 5 patients were not on ART because they are "elite controllers" and 1 patient had ARTs on hold for genotype and phenotype results.

SBM as defined above is a premier academic medical center in Suffolk County covering an area of 912 square miles and a population of roughly 1.5 million. Suffolk County is defined as a suburb of NYC, however, many areas remain rural and marginalized and public transportation is limited. The gaps between SBM's "open" and "active" patients can be explained by the vast area of Suffolk County as some HIV+ patients seek specialty care at SBM, but obtain their HIV primary care at other HIV-specific clinics.

As for gaps in viral load suppression, the rate of patients with a HIV viral load less than 200 copies/mL at last viral load testing during 2016 at SBM was in line with New York State's rate, excluding NYC during 2014 and Nassau-Suffolk Region (last available data <http://etedashboardny.org/visualizations/hiv-care-cascades/> ) at 91.06%, 88.89%, 88.63% respectively. We do acknowledge that although 99.19% of our patients are on ARTs less than 90% are suppressed for some sub-populations such as youths/young adults, women, and Blacks/African Americans. We drilled down the viral load suppression data and found that 15 patients have become virally suppressed in 2017. The Quality Manager provided each medical provider the list of their patients who were not virally suppressed. The medical provider along with Case Manager, Social Worker, Care Coordinator, and/or Retention Specialist in the corresponding clinic will be tasked with coming up with individualized plans for these patients. Of those not virally suppressed, 24 patients are enrolled previously and/or were recently referred to SBM's Linkage Retention Treatment Adherence Program.