



**ASPR**

# Health Infrastructure Data Sources

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**November 2018**

# Healthcare Data Infrastructure



# Healthcare Data Sources

- HIFLD
  - Hospitals
  - Nursing Homes
  - Urgent Care
  - VA Medical Facilities
  - ADAMS - Fly circles
  - Helipad
  - And more
- CMS/KCER
  - Critical Access Facility
  - Federally Qualified Health Center
  - Hospice
  - Dialysis Centers
- Definitive HealthCare
  - Hospitals
  - Nursing Homes
  - Blood Banks
  - Burn Centers
  - Trauma Center
  - Helipad
  - Room types
  - Occupancy rates
  - And more

# Benefits of HIFLD data

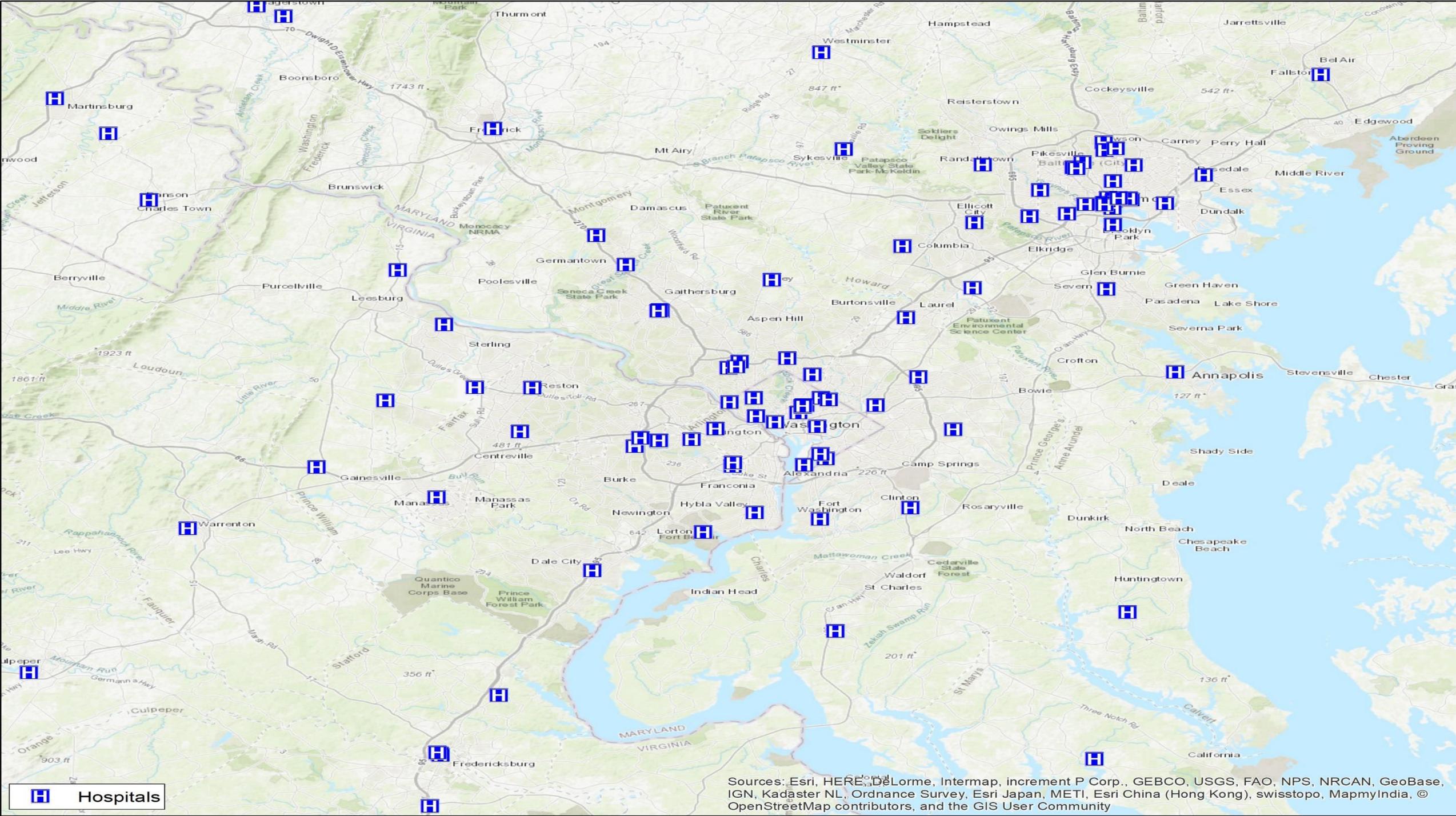
- Ability to display location to rooftop accuracy
- Authoritative source
- Government coordination
- Updated quarterly and published via services
- And many more ...

# Benefits of the HHS data sources

- Ability to display Definitive data based on many attributes
  - Hospitals – 64+
  - Nursing Homes – 24+
  - Trauma Centers – 59+
  - Blood Centers – 55+
  - Burn Centers – 54+
  - Many more items available
- Updated daily via web crawlers and website scraping

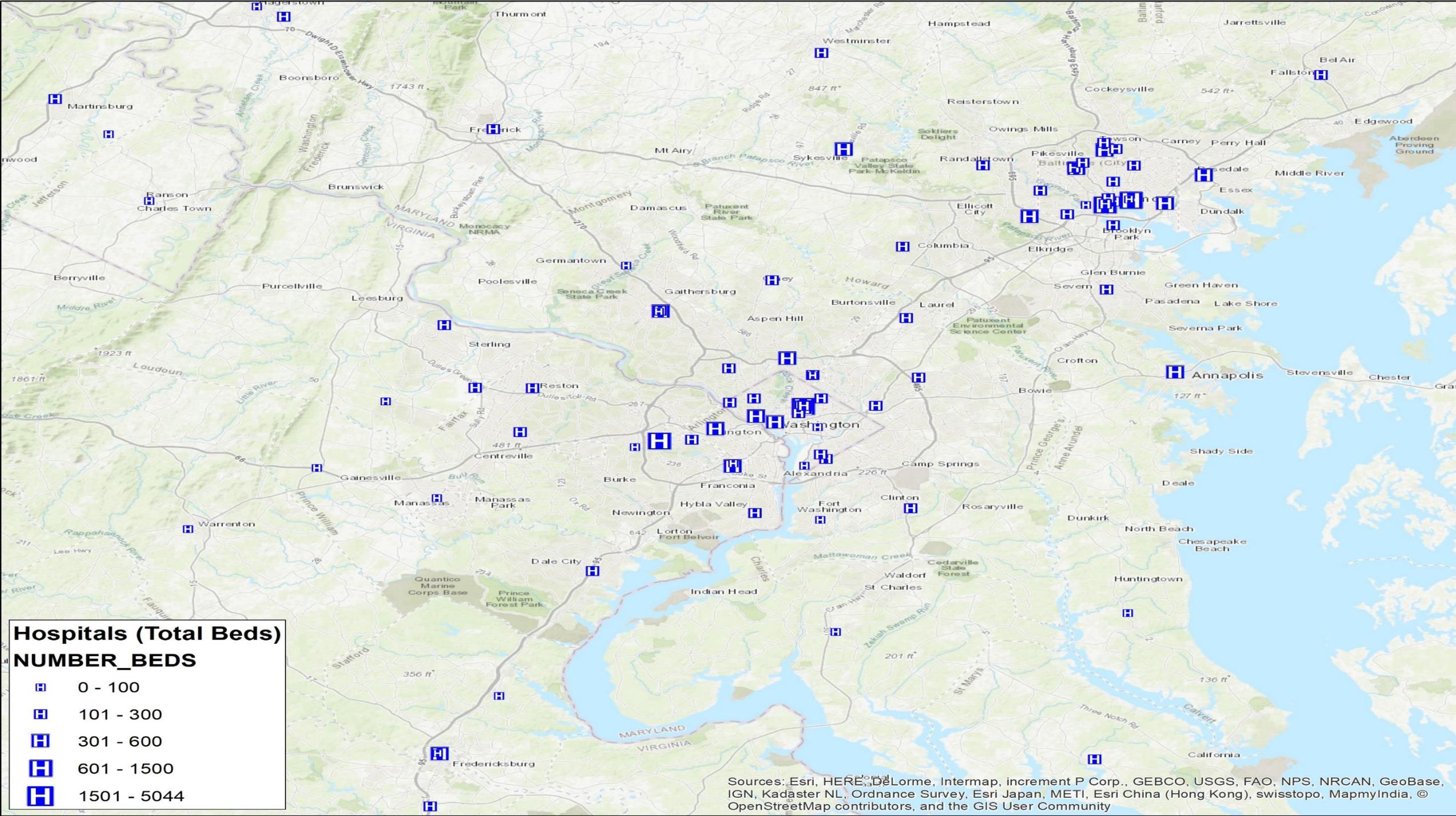
# Sample of Hospital Attributes

- DIRECTORY\_CODE
- BHDID
- HOSPITAL\_ID
- NETWORK\_ID
- NETWORK\_PARENT\_ID
- HOSPITAL\_NAME
- NETWORK\_NAME
- NETWORK\_PARENT\_NAME
- NUMBER\_BEDS\_MEDICARE
- NUMBER\_BEDS
- STATE\_BEDS
- NUMBER\_BEDS\_COLD\_CALL
- Total Acute
- Neonatal/Nursery
- Intensive Care Unit
- Psychiatric Unit
- Rehabilitation Unit
- Psychiatric Intensive Care Unit
- Nursing Facility
- Coronary Care Unit
- Nursery
- Skilled Nursing Facility
- HOSPITAL\_TYPE
- RELATED\_TO\_ASC
- CO\_LOCATED\_ASC
- RELATED\_TO\_SNF
- Psychiatric
- Rehabilitation
- GEOGRAPHIC\_CLASSIFICATION
- Skilled Nursing (SNF)
- SOLE\_COMMUNITY\_HOSPITAL
- HQ\_PHONE
- WEBSITE
- PROVIDER\_NUMBER
- NPI\_NUMBER
- DEA\_REGISTRATION\_NUMBER
- HQ\_STATE
- HQ\_CITY
- HQ\_ZIP\_CODE
- HQ\_COUNTY
- HQ\_ADDRESS
- HQ\_ADDRESS1
- HQ\_LATITUDE
- HQ\_LONGITUDE
- HOSPITAL\_OWNERSHIP
- AAMC\_MEMBERSHIP
- TOTAL\_ER\_VISITS
- NUM\_OPERATING\_ROOMS
- BIRTHS
- OUTPATIENT\_SURGERIES
- INPATIENT\_SURGERIES
- TOT\_SURGERIES
- NUMBER\_DISCHARGES
- AVG\_DAILY\_CENSUS
- EST\_TOTAL\_CLAIMS\_OUTPATIENT
- INPATIENT\_PART\_C\_DAYS
- BED\_UTILIZATION
- TOTAL\_DAYS
- NUMBER\_EMPLOYEES
- NUMBER\_AFFILIATED\_PHYSICIANS
- COMPANY\_STATUS
- AVERAGE\_LENGTH\_OF\_STAY
- TOTAL\_FACILITY\_SQ\_FT
- AVE\_AGE\_PLANT



 Hospitals

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

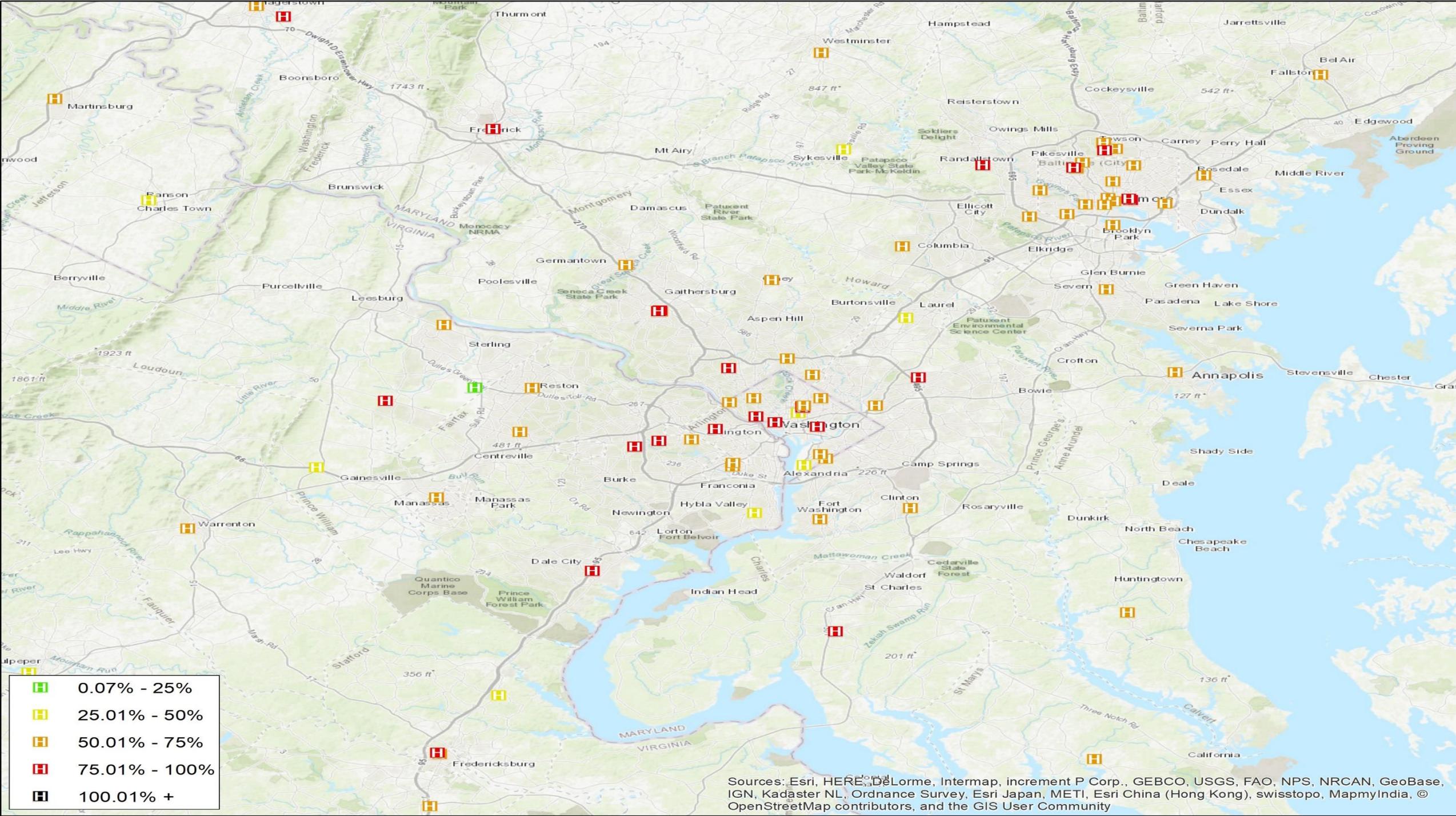


### Hospitals (Total Beds)

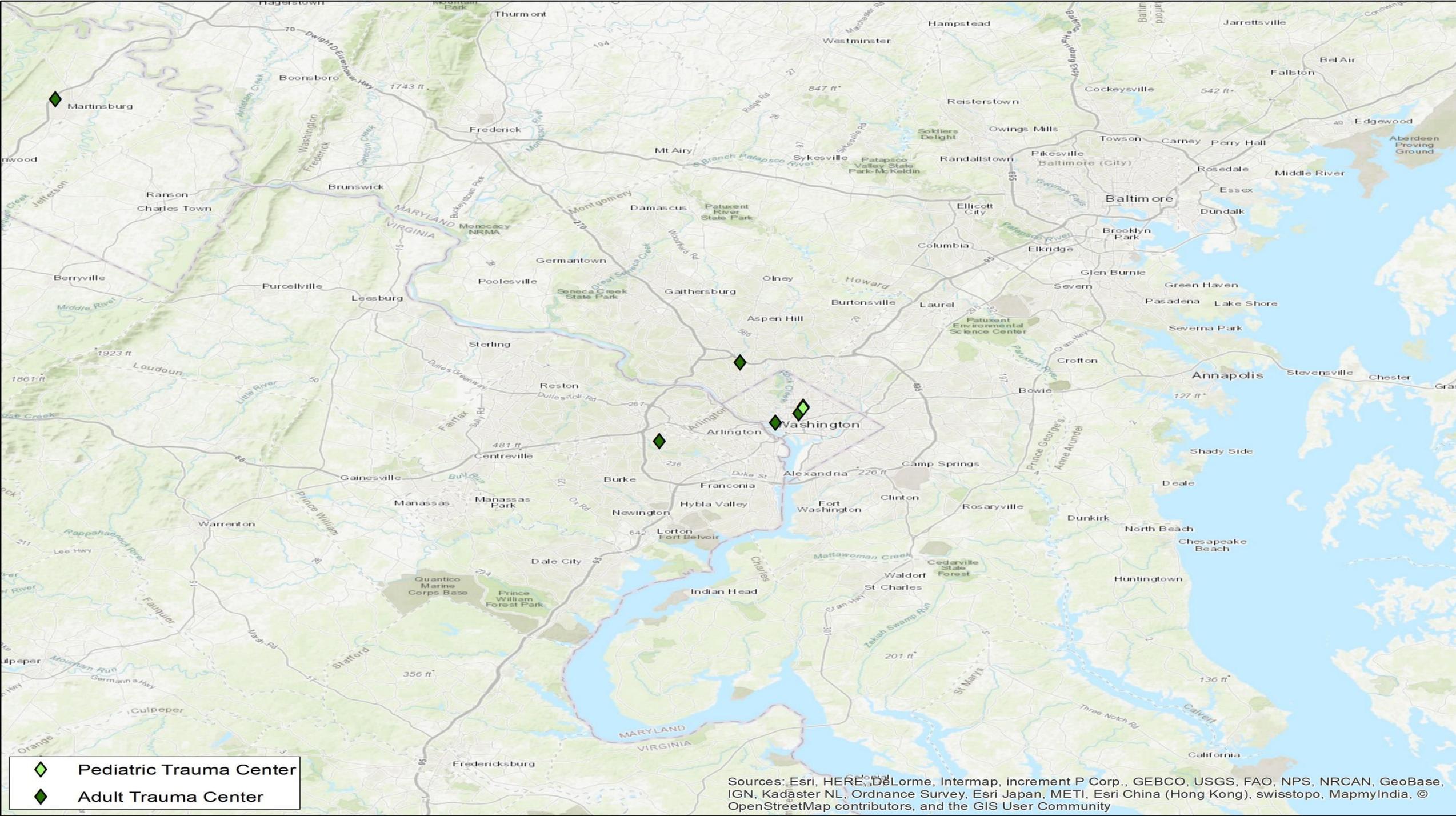
#### NUMBER\_BEDS

- H 0 - 100
- H 101 - 300
- H 301 - 600
- H 601 - 1500
- H 1501 - 5044

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

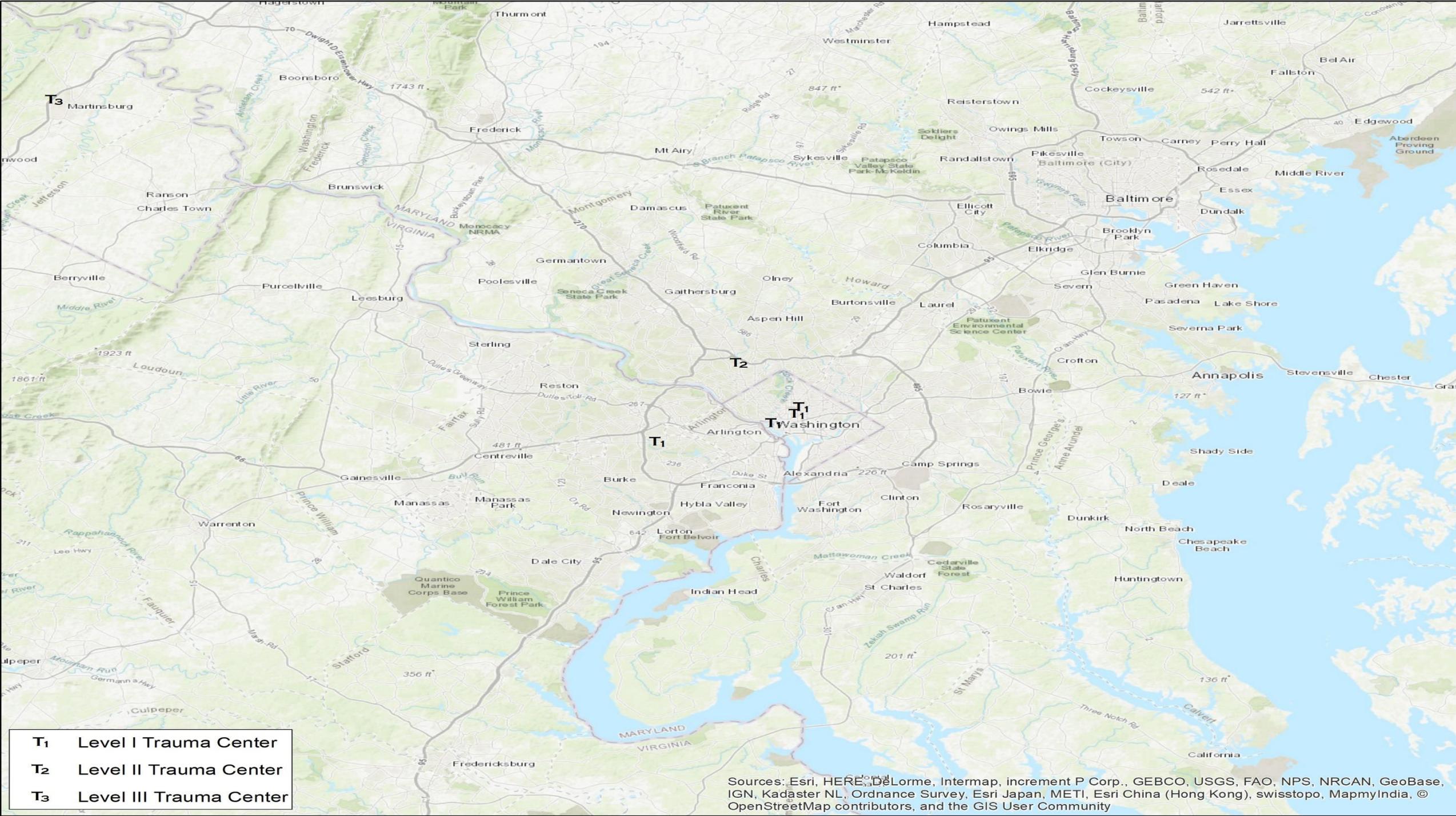


Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



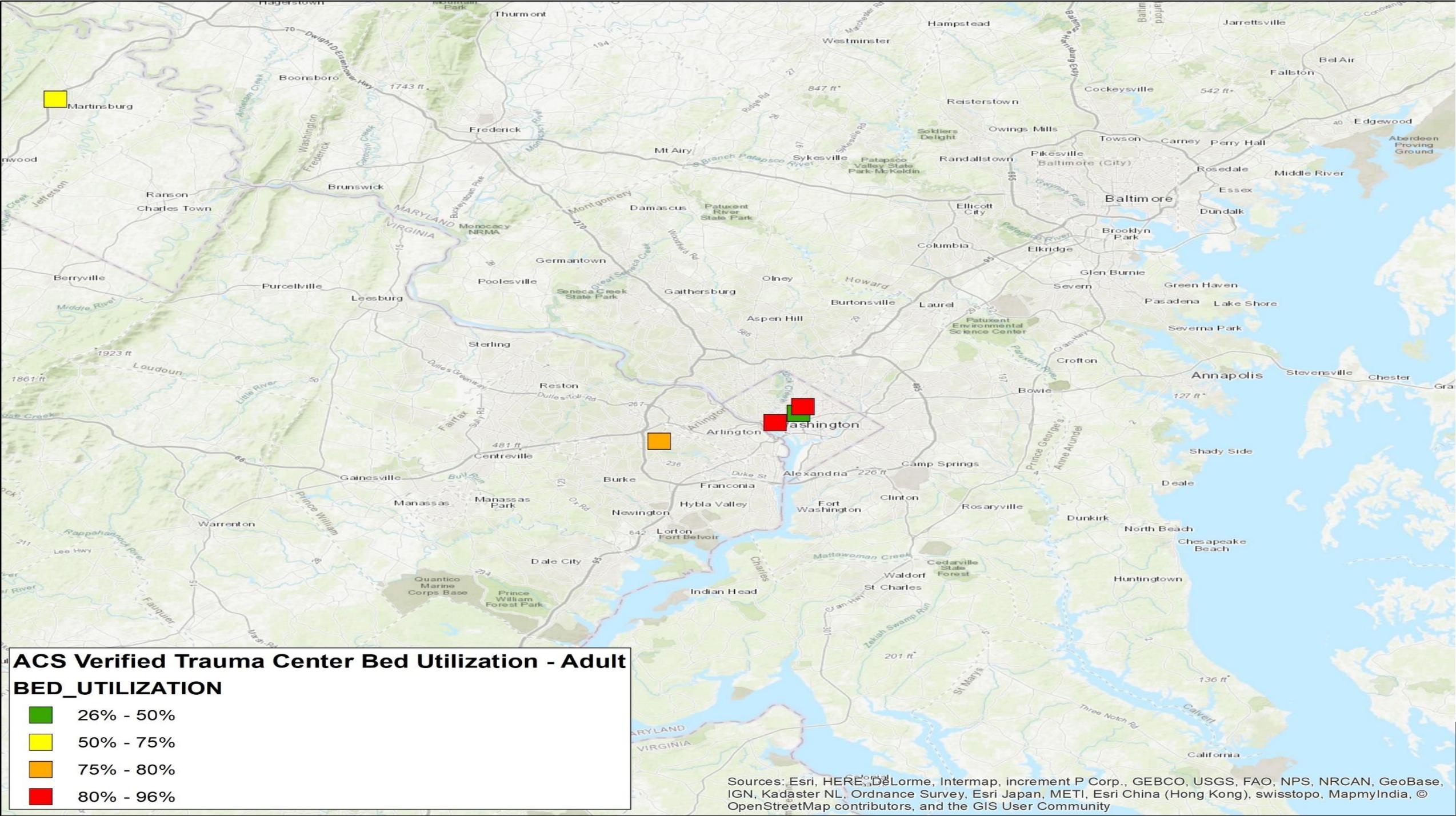
- ◆ Pediatric Trauma Center
- ◆ Adult Trauma Center

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



<b>T<sub>1</sub></b>	Level I Trauma Center
<b>T<sub>2</sub></b>	Level II Trauma Center
<b>T<sub>3</sub></b>	Level III Trauma Center

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

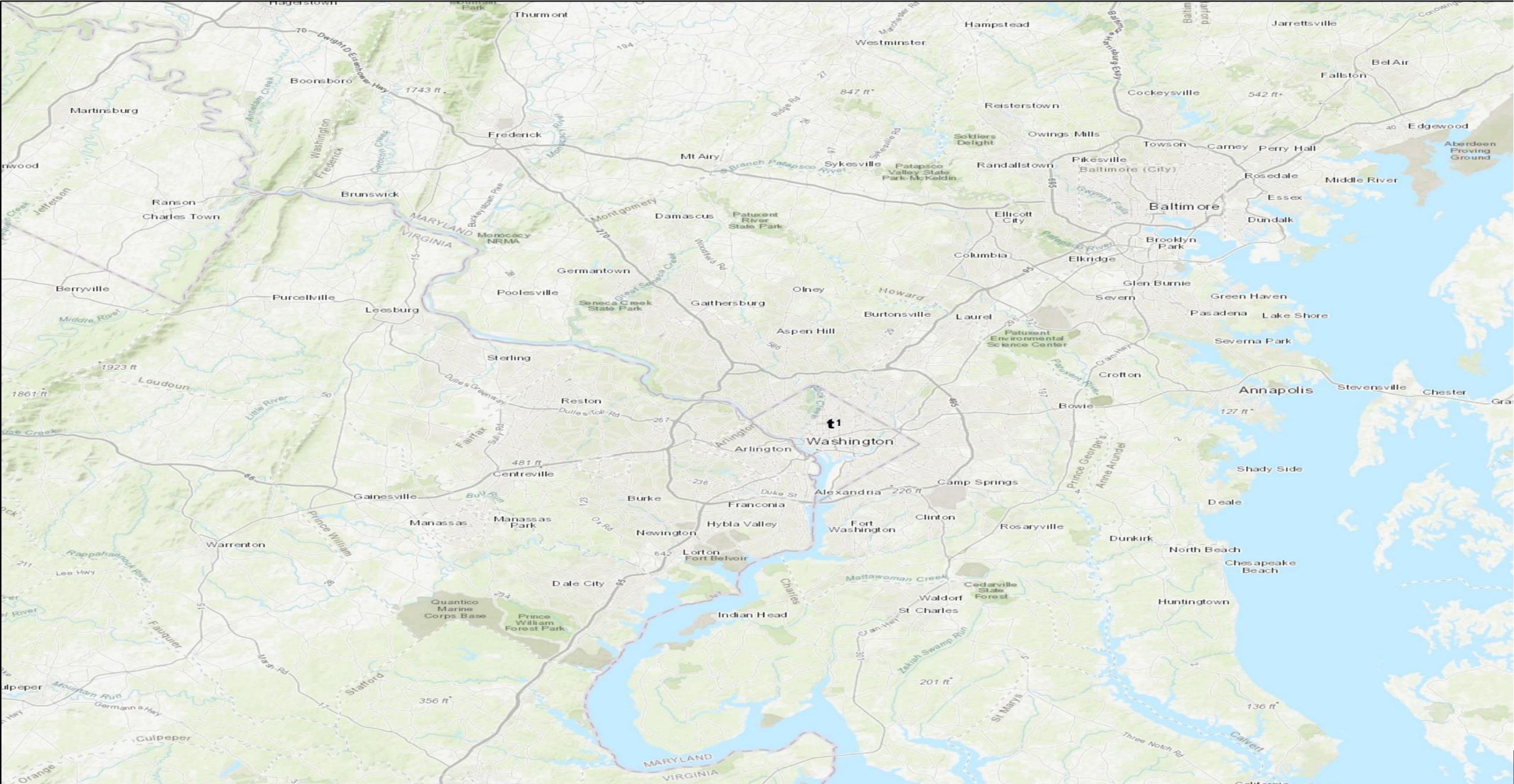


**ACS Verified Trauma Center Bed Utilization - Adult**

**BED\_UTILIZATION**

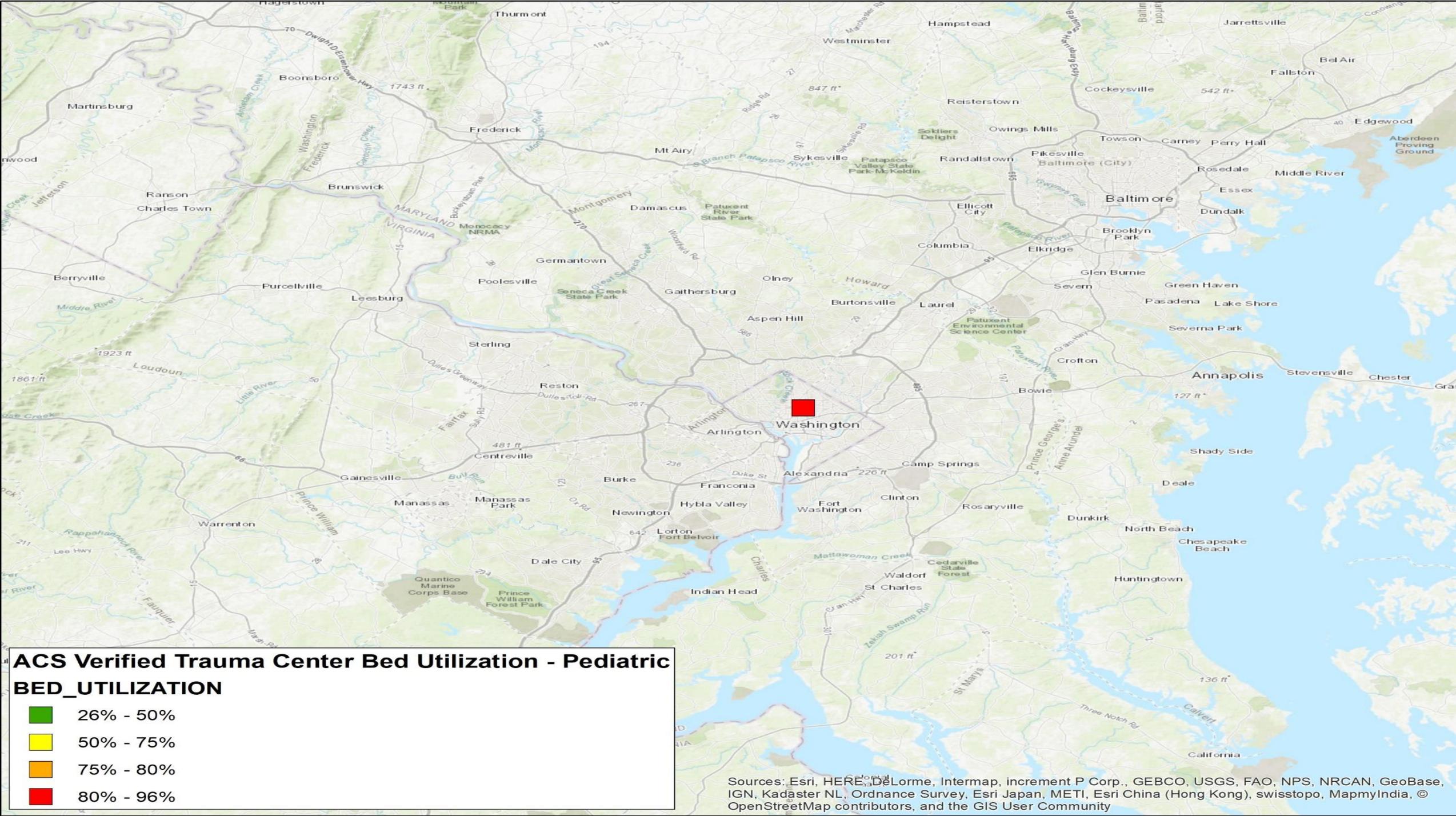
- 26% - 50%
- 50% - 75%
- 75% - 80%
- 80% - 96%

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



- t1** Level I Pediatric Trauma Center
- t2** Level II Pediatric Trauma Center

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

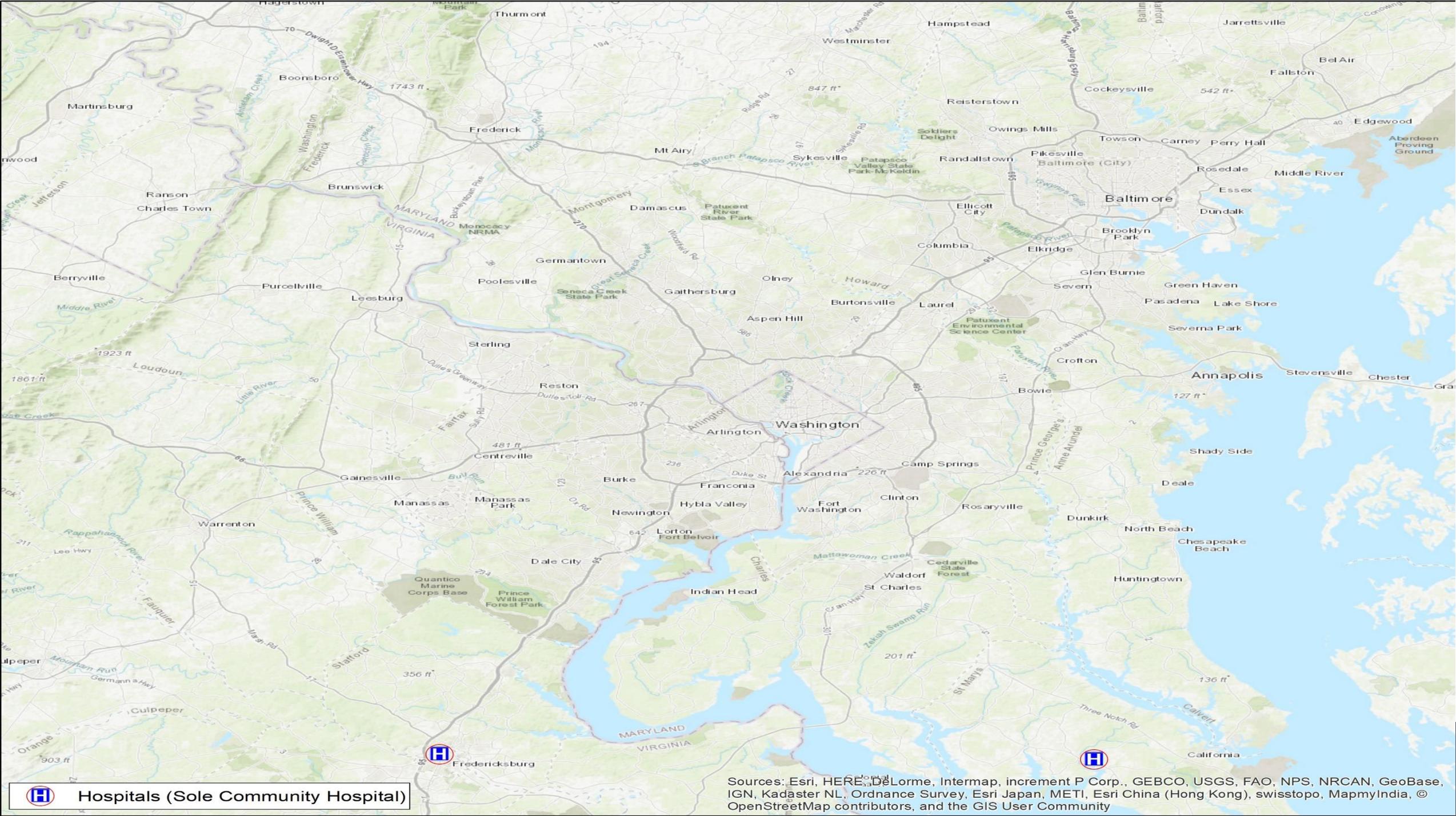


**ACS Verified Trauma Center Bed Utilization - Pediatric**

**BED\_UTILIZATION**

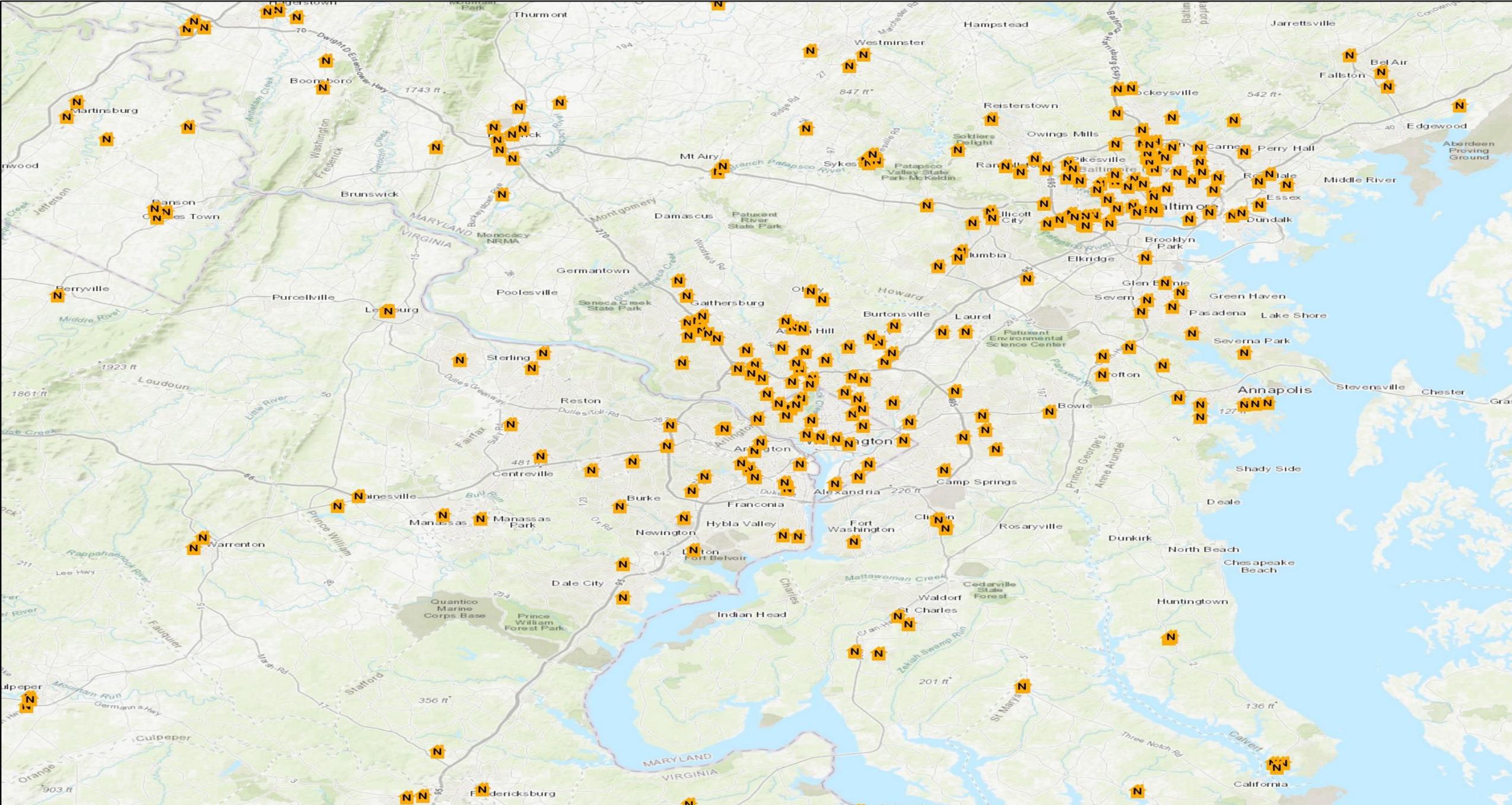
- 26% - 50%
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Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



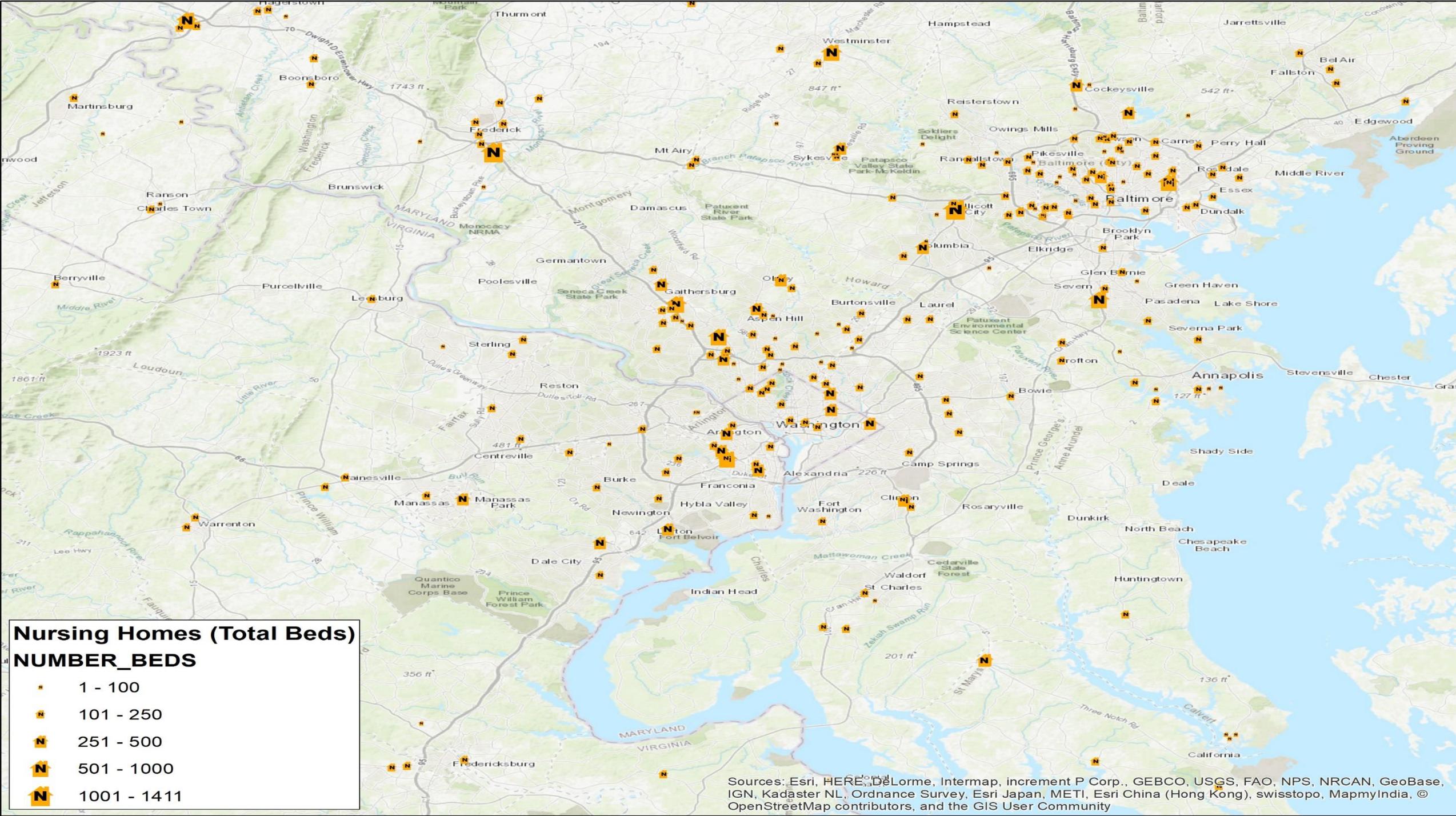
 Hospitals (Sole Community Hospital)

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



**N** Nursing Homes

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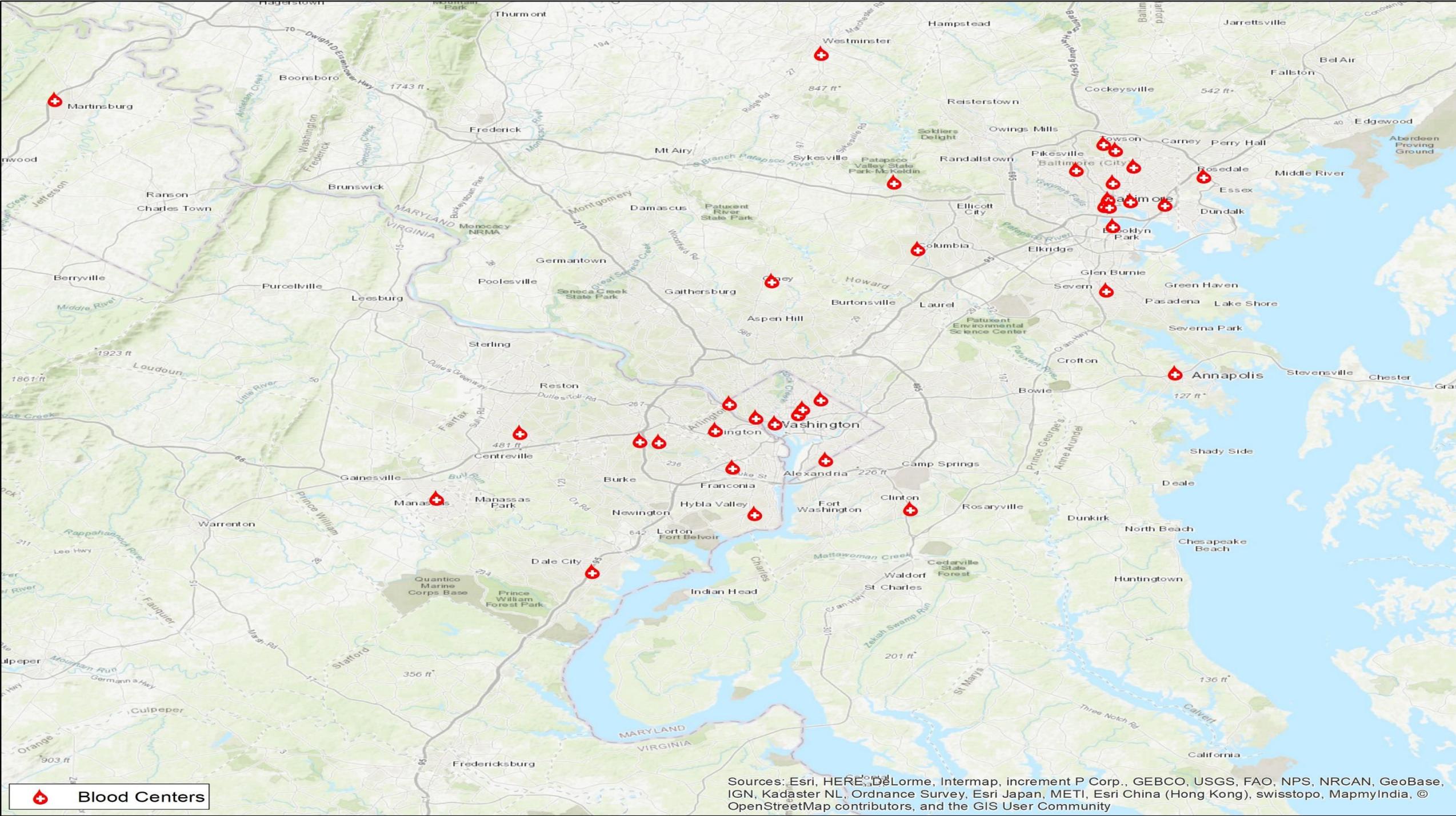


### Nursing Homes (Total Beds)

#### NUMBER\_BEDS

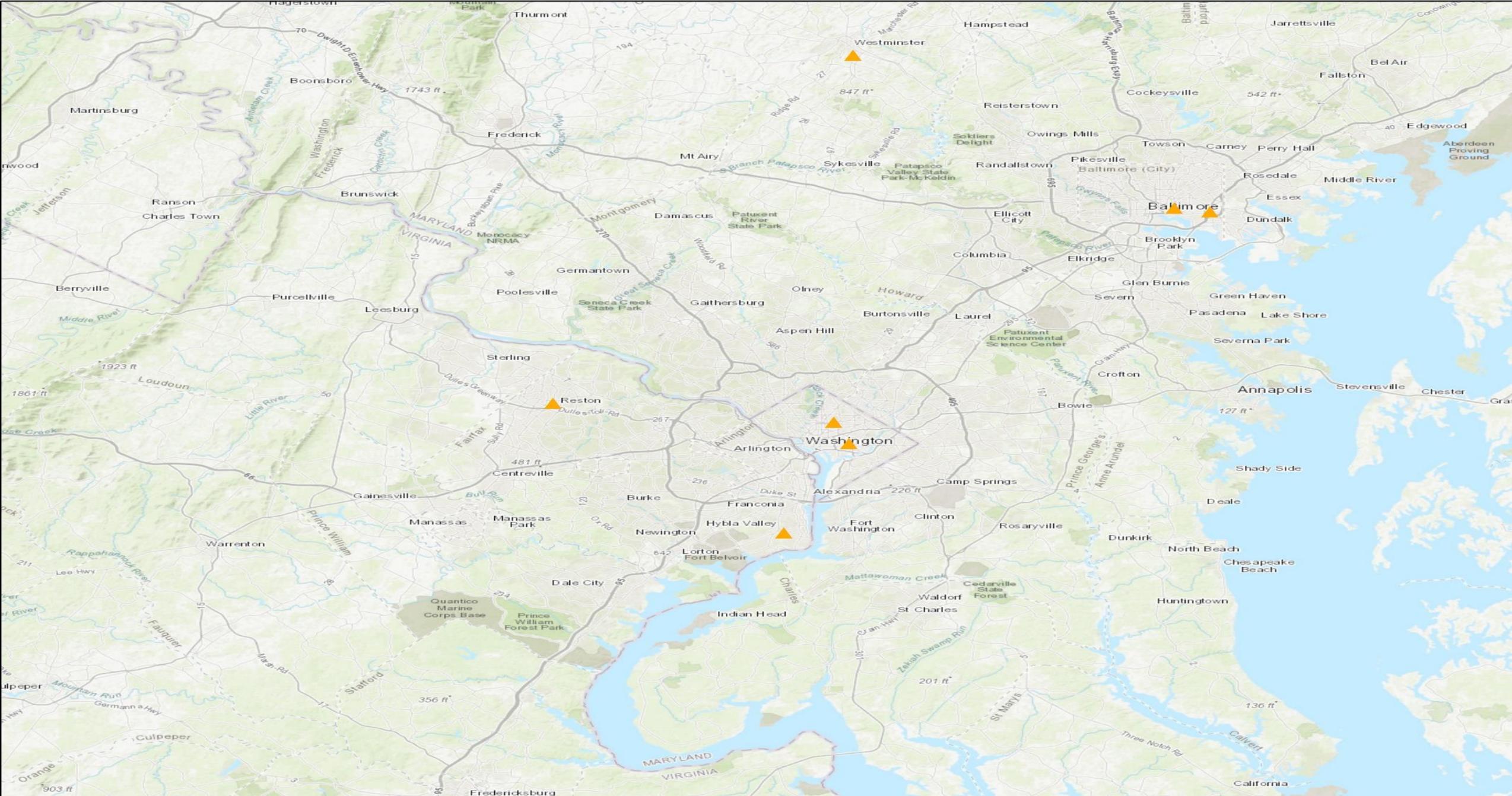
- \* 1 - 100
- 101 - 250
- 251 - 500
- 501 - 1000
- 1001 - 1411

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



 Blood Centers

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 Burn Centers

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