

**Invasive MRSA Infections**

- **Data source:** CDC’s Emerging Infections Program (EIP) Active Bacterial Core Surveillance (ABCs) active laboratory and population-based surveillance for invasive MRSA infections
- **Definition:** <http://www.cdc.gov/abcs/index.html>
  - Invasive MRSA infection: Isolation of MRSA from a normally sterile body site in a resident of the catchment area
  - Healthcare-associated (HCA) invasive MRSA infections include:
    - **Hospital Onset (HO):** Hospitalized resident of catchment area whose invasive MRSA culture was collected ≥ 3 days after admission
    - **Healthcare-associated community-onset (HACO):** Hospitalized resident of catchment area whose invasive MRSA culture was collected < 3 days after admission and has any combination of the following healthcare exposures:
      - Dialysis, prior hospitalization, surgery, or residence in a long-term care facility in the previous year
      - Central vascular catheter in place at any time in the 2 days prior to initial culture
- **5-Year (2013) National Prevention Target:** 50% reduction in incidence of healthcare-associated invasive MRSA infections
- **Metric:** Rate per 100,000 persons
  - Rate adjusted for age and race
- **Baseline period:** 2007-2008
- **Baseline data:**
  - 9 EIP ABCs catchment areas: CA, CO, CT, GA, MD, MN, NY, OR, TN
  - Current catchment population: ~19 million
  - Estimated national incidence and number of cases (see Table)

**Baseline (2006-2008), 2009, 2010 (Preliminary) Data:**

Category	Year	Disease Rate (per 100,000 persons)*	% Change in Disease Rate from Baseline	Estimate of Cases*	Difference (compared to Baseline) +
All Healthcare-associated (HCA)	2007-2008 (Baseline)	26.24	--	79,463	--
	2009	23.14	11.8	71,862	7,601
	2010 (Preliminary) ‡	21.46	18.2	65,985	13,478
Hospital-onset (HO)	2007-2008 (Baseline)	7.66	--	23,187	--
	2009	6.50	15.1	18,823	4,364
	2010 (Preliminary)	4.98	35.0	15,285	7,902
Healthcare-associated, community onset (HACO)	2007-2008 (Baseline)	18.57	--	56,235	--
	2009	17.88	3.7	53,005	3,230
	2010 (Preliminary)	15.83	14.8	48,855	7,380

\*Age- and race-adjusted; national estimates projected to nation using U.S. census population

+ Difference in estimates of current year subtracted from baseline year estimates, negative (fewer) values denoted by ( )

‡ 27 cases (0.54%) have an undetermined epidemiological class at this time