Clostridium difficile Infections

- **Data source:** AHRQ's Healthcare Cost and Utilization Product (HCUP), State Inpatient Databases (SID)
- **Definition:** All hospitalizations with ICD-9-CM diagnosis code 008.45, intestinal infection due to *C. difficile*
- **5-Year (2013) National Prevention Target:** 30% reduction in hospitalizations with *C. difficile* per 1,000 discharges
- **Metric:** Rate of *C. difficile* per 1,000 non-maternal, adult discharges compared to baseline year
  - The numerator identifies all hospitalizations with *C. difficile* in any diagnosis field (Dx1-Dx15).
  - Denominator is all discharges, excluding maternal, children, and transfers.
  - No risk adjustment applied.
- **Baseline period:** 2008
- **Baseline data:** *C. difficile* hospitalizations identified in 2008 from all acute care, non-rehabilitation community hospitals in 42 states
  - 2008: 42 states participate in the HCUP project; 4,300 hospitals with ~ 35 million hospitalizations
  - 2009: 44 states participate in the HCUP project; 4,400 hospitals with ~ 35 million hospitalizations
  - 2010: 46 states participate in the HCUP project; 4,800 hospitals with ~ 38 million hospitalizations
- **2011 and 2012data:**
  - Using all SID States, calculate actual quarterly outcome statistics for *C. Difficile* for each stratum over the historical period 2001-2010.
  - Utilize quarterly 2011 inpatient data from "early" States to impute full-SID estimates of outcomes.
  - Generate projections using the SAS Time Series Forecasting System.
  - Calculate weighted estimates and rates for all years of data.

Clostridium difficile (Rate per 1,000 Hospitalizations)					
Year	QTR1	QTR2	QTR3	QTR4	Average
2008	11.6	12.5	11.3	11.1	11.6
2009	12.2	11.5	10.7	10.6	11.3
2010	11.3	11.7	11.4	11.7	11.5
2011 (projected)	12.5	12.8	12.2	122	12.4

2012 (projected)	13.0	13.2	12.7	12.6	12.9