



Surgical Site Infections (SSI)

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Surgical Site Infections

- **Data source** – CDC's National Healthcare Safety Network (NHSN)
- **Metric** – Standardized Infection Ratio (SIR)
- **5 year target** – 25% reduction in SSIs following SCIP-like procedures on admission or readmission (SIR = 0.75)
- **Baseline period** – 2006-08



Surgical Site Infections

	Baseline 06-08	2009	2010	2011
Facilities reporting	801	946	1,385	2,130
States represented	43	44	45	49
Number of procedures	613,263	420,340	529,038	748,192
Overall SIR	N/A	0.98 (2% reduction)	0.92* (8% reduction)	0.83* (17% reduction)

*significantly less than 1.0



Role of SHDs in HAI Prevention

- State-based infrastructure for HAI prevention and response is extremely valuable
 - Identification of overperforming and underperforming facilities from NHSN data (allows for individual facility-level followup)
 - Prevention collaboratives within states and across continuum of care
 - Response to 2012 fungal meningitis outbreak



Comprehensive Use of NHSN Data

- **CDC National Annual Reports**
 - Device- and procedure-associated data summaries
 - State and national standardized infection ratio reports
 - HAI antimicrobial resistance data
- **CMS Facility/State/National Reports**
 - Preview reports for hospitals/hospital systems
 - Hospital Compare for public reporting
 - Hospital value-based purchasing for facility reimbursement
- **State and Local Health Departments**
 - Data required for public reporting
- **Quality Improvement Groups**
 - Quality improvement orgs (QIOs)
 - End-stage renal disease networks
 - Partnership for Patients Hospital Engagement Networks
- **Collaboratives**
 - Comprehensive unit-based safety program (CUSP)
 - State, regional, local initiatives
- **Research Groups**
 - Prevention of nosocomial infections and cost effectiveness (PNICE)
 - Preventing avoidable infections by adjusting payment (PAICAP)