School Nurse Sensitive Critical Indicators

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Problem
School Nurses lag acute nurses in development of measures sensitive to nursing interventions

Established measures:
- NDNQI: Falls, Decubitus, Central line infections, Failure to Rescue, Readmission, Pain assessment
- AHRQ: Pediatric Quality Indicators: Asthma admissions, Diabetes short-term complications, Perforated appendix, Urinary tract infection admissions
- NQF: Child Health Outcome Measures: Children who have problems obtaining referrals; Children who did not receive care coordination or satisfactory communication

Structure Measures (selected sample)
Free & Reduced Lunch
State school nurse leadership
Disabilities
Acute health system, School Based Health Center, community providers
EMG response time
School supports
Geography, Distance
Rural urban suburban
Transportation

Process Measures (selected sample)
Assessment
Care plans, Emergency Plans, IEPs
Care coordination / Communicate
Health Promotion
Staff & faculty training
UAP Supervision
Immunization practices
Medication practices
SCHIP enrollment
Vision Hearing Screening follow up

Outcome Measures
Health outcomes
- 911 Surveillance
- Failure to rescue
- Deaths
- Serendipitous case finding
- Emergency room utilization / Hospitalizations
- Health care costs
- Immunization rate
- Health office visits / Medical Home
- Pregnancy
- Injury
- Health and lifestyle behaviors
  - Vision follow-up
  - Smoking
  - Seatbelts, etc
- Medications, errors, missed dose, wrong dose
- Quality of life

Behavior
- Well-being
- Depression
- Connectedness
- Obesity / Nutrition – healthy food / Physical activity
- Dental health
- Insurance

Education outcomes
- Inclusion / Exclusion
- Instruction time / Early dismissal / Attendance
- Test scores / Achievement
- Graduation rates

Phase I Consensus Panel
2008 – 2010 School Nurse Leaders Panel
- Consensus on set of potential sensitive indicators
- Feedback & clarification at national conference

Phase II Delphi Panel
2011 – 2012
- Establish definitions for critical indicators
- Score indicators scale 1-9 validity feasibility usability
- Conduct pilot studies
- Include measures in electronic student health records
- Disseminate to research partners

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School Nurses Make a Difference
Healthy Children Learn Better