

Mapping Nursing Interventions for children with special health needs

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Introduction

To describe care coordination interventions among nurses working with families of children and youth with special health needs and map those to a Nursing Intervention taxonomy

Public Health Issue

- 12.8% of US children, birth – 21 years, have a special health care, mild to severe
- Families of these children express difficulty navigating the health care system
- Nurse care coordinators help families acquire services necessary to maximize child potential and minimize risk
- Research on nurse coordination intervention does not explicate the interventions nurses perform
- Agency computerized records do not use a standardized language, limiting intervention comparison and outcomes measurement



Plan & Implementation

- Oriented to nurses role and nurses notes
- Qualitative content and quantitative document analysis
- Developed data abstraction form: demographics, provider discipline, intervention types
- Coded nurses notes of 87 children enrolled in Family-Nurse Coordination Partnership Study (FL DOH & UNF IRB approved).
- Manually mapped / linked nurse coordinator interventions to 514 taxonomy interventions

Findings

87 Children & Youth
 < 1 yr – 21 yrs, avg. 10 years old
 Mild to medically fragile conditions
 Simple to complex medical care

Nurse Interventions
 35 nurses made 1460 family encounters and delivered 2602 interventions over 2 years

Caregivers
 Women, single, limited income, grandparents, foster parents
 Comfortable caring for child
 Get support from family & networks
 Stressed by finance\$, access, school issues



Nursing Classification Interventions (NIC) Mapped to Nurse Interventions

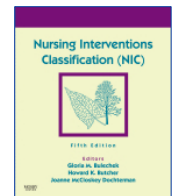
Financial resource assistance	Mutual goal setting	Health care information exchange
Family process maintenance	Sustenance support	Multidisciplinary conference
Family mobilization		Health system guidance
Learning facilitation		Health screening
Learning readiness		Surveillance
Emotional support		Triage: telephone
Support group		Telephone follow-up
Family support		Telephone consultation
Hope instillation		Health education
Caregiver support		Teaching disease process
Developmental enhancement		Immunization management
Home maintenance assistance	Consultation	Supply management
Support system enhancement		Health policy monitoring

Nurse Interventions

Funding	30%	n=771
Medical/Health	21%	n=547
Eligibility cert	13%	n=339
Equipment, Meds	13%	n=326
Referral	7%	n=193
Teaching	7%	n=189
Psychosocial	5%	n=126
Transition	3%	n= 84
Legal, School	1%	n= 27
n=2602 Interventions		

Discussion

- Children have a wide variety of complex health needs
- Caregivers have many strengths and some challenges
- Nurses notes provide evidence of many interventions to support families which are **invisible** due to non-use of a consistent language
- Identified **29 NIC** interventions with **586 related activities** that correspond to nurse documentation
- Implementing a standardized nursing language for computerized nurses notes would **reveal** what nurses do and facilitate measuring the impact of nursing care



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