



NCC Task Analysis Content Validation Study

Neonatal Intensive Care Nursing 2004

Final Report

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1. Background and Overview

The purpose of the task analysis/content validation study is to describe the domain of practice, knowledge, skills and abilities that are essential to the specialty practice of the Neonatal Intensive Care Nurse.

The application of the data collected is used to identify test content to be included in the NCC examinations to insure the examinations are reflective of current practice, skills and knowledge.

The focus of the NCC Neonatal Intensive Care Nursing certification examination is to demonstrate the special knowledge of the Neonatal Intensive Care Nurse.

Phase I of the project included

- Logistic review: NCC content team members, a geographically diverse group representing both academic and clinical practice venues were charged to develop a list knowledge components and tasks as associated with the existent test outlines.
- Development process and data collection
- Statistical compilation of the data

Phase II of the project included

Review of the data collected using a holistic approach to analysis. The following areas were described:

Practice Characteristics	Type of Patients and Practice Decision Making
Laboratory Tests and Diagnostic Studies Studies	Performance & Interpretation

For the nursing management of conditions (patient interventions), participants were asked the following questions:

How frequently do you manage neonates with

- Apnea of prematurity
- Bronchopulmonary dysplasia
- Pneumothorax or air leaks
- Cardiac tamponade
- Hypotension
- Pulmonary hemorrhage
- Patent ductus arteriosus
- Transposition of great vessels
- GI reflux
- Abdominal wall defects
- Esophageal or Tracheoesophageal fistula
- GI bleeds
- Renal failure
- Asphyxial renal damage
- Hydrocele
- Adrenal insufficiency
- Hypothyroidism
- Anemia
- RH disease
- Meningitis
- Sepsis
- Group B Strep infection
- CMV infection
- Herpes
- Varicella
- Common skin conditions
- Bone fractures
- Chromosomal syndromes
- Hydrocephalus
- Seizures
- Retinopathy of prematurity
- Tracheostomy
- Meconium aspiration syndrome
- Transient tachypnea of the newborn
- Hypoplastic lungs
- Cyanosis
- Hypertension
- Congestive heart failure
- Ventricular septal defect
- Tetralogy of Fallot
- GI Perforation
- Hirschsprung's disease
- Short gut syndrome
- Malrotation
- Inguinal hernia
- Renal vein thrombosis
- Hypoglycemia
- Hyperthyroidism
- Hyperbilirubinemia
- Polycythemia
- Candidiasis
- HIV infection
- Staphylococcal infection
- Toxoplasmosis
- Metabolic genetic disorder
- Cleft lip and/or palate
- Hypoxic ischemic encephalopathy
- Periventricular or intraventricular hemorrhage
- Alcohol exposure in utero
- Drug withdrawal
- Tracheal stenosis or atresia
- Persistent pulmonary hypertension
- Respiratory distress syndrome
- Diaphragmatic hernia
- Coarctation of the aorta
- Cardiac arrhythmias
- Pulmonary stenosis/atresia
- Total anomalous pulmonary venous return
- Hypoplastic left heart syndrome
- Shock
- Intestinal obstruction
- NEC
- Meconium ileus/plug
- Ambiguous genitalia
- Urinary tract infection
- Testicular torsion
- Infants of diabetic mothers
- Osteopenia of prematurity
- DIC
- Hepatitis B
- Chlamydia
- Syphilis
- E. Coli infection
- Exposure to nicotine in utero
- Neonatal abstinence syndrome
- Congenital anomalies
- Neuromuscular birth injuries
- Neural tube defects
- Subdural hemorrhage
- Choanal atresia
- Periventricular leukomalacia

Development of policy recommendations for content team to consider in sustaining or altering the test outline for examination development. This part of the content validation process will be completed at the content team web conference to be held in December 2004.

Phase II

Review of the data collected using a holistic approach to analysis. The area of concerns were

- Description of Practice Characteristics
- Laboratory Tests/Diagnostic Procedures
- Drug Management
- Patient Interventions
- Skills

The specific questions asked for each of the above areas are described in the Survey Template, Attachment 2.

Development Process

The process used to identify essential knowledge, skills and abilities is described in Attachment 1. The survey template was developed and as Attachment 2.

Data Collection

With psychometric consultation, the tasks/skills identified by the content team were formulated into a survey instrument. Questions asked for each knowledge component or task are shown on the survey template. All participants were asked the questions relevant to the areas of concern identified above. Because of the volume of the questions the survey was divided into three separate parts.

All NCC certified NIC nurses of records (6990) were notified either via email contact or post card notice to go to the NCC website to complete the survey. 523 RNCs responded to the survey.

Part 1	162
Part 2	183
Part 3	178

In addition biographical information was also solicited as follows:

Education level
Practice Setting
Length of Current Practice
Geographic Location

Results

Summary of survey data are shown below:

Biographical Data

Practice Setting

NICU Level I	1%
NICU Level II	13%
NICU Level III	86%
Low Risk Nursery	<1%
Physician's office	--
Academic setting	<1%
Follow up clinic	<1%
Other	<1%

Highest Level of Education

Doctorate	--
Post Master's	2%
Master's	16%
BSN	45%
Bachelors (Not in nursing)	4%
Associate degree	17%
Diploma	14%
Other	1%

How long have been a NIC Nurse?

Less than a year	--
1-5 years	4%
6-10 years	13%
11-15 years	18%
16-20 years	35%
Over 20 years	29%

Where do you reside?

Northeast	21%
Southeast	24%
Midwest	21%
Southwest	15%
West	18%

Practice Characteristics

Laboratory Tests/Diagnostic Studies

Drug Management

Patient Interventions

Skills

These results are summarized in **Attachment 3**.

Attachment 1

TASK ANALYSIS CONTENT VALIDATION PROCEDURES

Purpose:

The purpose of the task analysis/content validation study is to describe the domain of practice, knowledge, skills and abilities that are essential to the specialty practice of the Neonatal Intensive Care Nurse

Participants: The Content Teams are the responsible parties for development of task analysis content validation procedures

PHASE 1 DEVELOPMENT PROCESS

The identified development process utilized included:

Review of relevant practice standards and current literature

The following documents were reviewed:

- Scope and Standards of Advanced Practice Registered Nurses, American Nurses' Association (ANA),
- * Neonatal Nursing: Orientation and Development for Registered and Advanced Practice Nursing in Basic and Intensive Care Setting, Association of Women's Health, Obstetric and Neonatal Nurses (AWHONN),
- * Standards and Guidelines for Professional Nursing Practice in the Care of Women and Newborns, Association of Women's Health, Obstetrics and Neonatal Nurses (AWHONN).
- * Nurse Providers of Neonatal Care: Guidelines for Educational Development and Practice, Association of Women's Health, Obstetrics and Neonatal Nurses (AWHONN).
- * Current editions of recognized texts in nursing and medicine

Review of current NCC competency statements and general and detailed test outlines for the Neonatal Intensive Care Nursing examination was undertaken.

Identification of Essential Knowledge, Skills and Abilities

The NIC Content Team based on the document review identified competencies and practice skills of the neonatal intensive care. General discussion about the current competency statements and content included in the test outline was also initiated. Based on this discussion, a list of knowledge components/task/skills were identified prioritized.

PHASE II SURVEY TOOLS

A survey tool was developed based on the content teams' direction and psychometric consultation to insure that areas to be explored, practice characteristics, nursing management, drug management laboratory/diagnostic tests and skills are addressed. All NIC certified nurses were invited to participate via email or postcard notice.

Raw data was compiled using a percentage scoring system. This assigns a percentage value for each question asked about each task, skill or knowledge component. Actual percentage ratings were recorded.



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Neonatal Intensive Care Nursing Survey Template

Instructions to Survey Takers

We need your input to insure that the NCC Neonatal Intensive Care Nursing (NIC) examination is reflective of current NIC practice. This survey relates to the type of patient you deal with, disposition of care and the nature and frequency of the conditions you manage. The data from this survey will the NCC NIC Content Team to make revisions to the content outline from which questions are derived for assessment of special knowledge as a Neonatal Intensive Care Nurse on the NCC certification examination.

Practice Characteristics

How frequently do you care for neonates who are

- Less than 28 weeks gestation
- 29 to 33 weeks gestation
- More than 34 weeks gestation

In a given month, what percentage of your time is devoted to

- Direct bedside care
- Caring for neonates undergoing surgical procedures
- Parent teaching
- Developmental care
- Air or ground transport
- Neonatal follow up care
- Home Care

How frequently do you

- Perform physical assessment of the neonate
- Perform a risk assessment of the family
- Diagnose a condition or problem
- Devise a plan of care
- Engage in discharge planning
- Make referrals
- Engage in follow up or long term care
- Involved in home care

Laboratory Tests/Diagnostic Studies

Do you manage neonates requiring:

- Complete blood count with differential
- Hematocrit studies
- Hemoglobin studies
- RH (Coombs) testing
- Cerebrospinal fluid analysis
- T₄ assay
- Ultrasound
- EKG
- Glucose screen or monitoring of glucose levels
- Bilirubin levels
- Calcium and or phosphorus levels
- Electrolyte studies
- Urine cultures
- Stool culture

Drug Management

Do you manage neonates receiving

- Antimicrobial therapy
- Antihypertensive therapy
- Diuretics
- Bronchodilators

- Anticonvulsant therapy
- Anticoagulant therapy
- Steroids
- Respiratory stimulants
- Vasodilators/pressors
- Antidysrhythmia drugs
- Surfactant replacement therapy
- Analgesic or narcotic drugs
- Sedative/hypnotic drugs
- Anesthetic or paralytic drugs
- Inhaled nitric oxide therapy
- Antacid or GI motility drugs

Patient Interventions

How frequently do you manage neonates with

- Apnea of prematurity
- Bronchopulmonary dysplasia
- Pneumothorax or air leaks
- Cardiac tamponade
- Hypotension
- Pulmonary hemorrhage
- Patent ductus arteriosus
- Transposition of great vessels
- GI reflux
- Abdominal wall defects
- Esophageal or Tracheoesophageal fistula
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- Hypothyroidism
- Anemia
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- GI Perforation
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- Short gut syndrome
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- Renal vein thrombosis
- Hypoglycemia
- Hyperthyroidism
- Hyperbilirubinemia
- Polycythemia
- Candidiasis
- HIV infection
- Staphylococcal infection
- Toxoplasmosis
- Metabolic genetic disorder
- Cleft lip and/or palate
- Hypoxic ischemic encephalopathy
- Periventricular or intraventricular hemorrhage
- Alcohol exposure in utero
- Drug withdrawal
- Tracheal stenosis or atresia
- Persistent pulmonary hypertension
- Respiratory distress syndrome
- Diaphragmatic hernia
- Coarctation of the aorta
- Cardiac arrhythmias
- Pulmonary stenosis/atresia
- Total anomalous pulmonary venous return
- Hypoplastic left heart syndrome
- Shock
- Intestinal obstruction
- NEC
- Meconium ileus/plug
- Ambiguous genitalia
- Urinary tract infection
- Testicular torsion
- Infants of diabetic mothers
- Osteopenia of prematurity
- DIC
- Hepatitis B
- Chlamydia
- Syphilis
- E. Coli infection
- Exposure to nicotine in utero
- Neonatal abstinence syndrome
- Congenital anomalies
- Neuromuscular birth injuries
- Neural tube defects

- Subdural hemorrhage
- Choanal atresia
- Periventricular leukomalacia

NIC Nursing Skills

How frequently do you

- Assess for neonatal pain
- Perform neurological exam
- Take neonatal blood pressure
- Manage thermoregulations for infants on radiant warmers
- Manage IV lines
- Perform chest compressions
- Calculate fluid requirements
- Assess for insensible water loss
- Manage enteral feedings
- Assess for drug incompatibilities
- Involved in caring for neonates requiring oxygen
- Provide tracheostomy care
- Interpret blood gases
- Maintain skin integrity
- Observe/asses parental stress responses
- Involved in care of neonates undergoing ECMO
- Monitor neonates on phototherapy
- Review maternal history
- Assess gestational age
- Assess neonatal sleep states
- Manage thermoregulation for infants in incubators
- Perform bag and mask ventilation
- Perform Apgar scoring
- Calculate caloric needs
- Manage oral feedings
- Determine electrolyte requirements
- Assess for drug side effects
- Chest tube management
- Monitor pulse oximetry
- Interpret x-rays
- Perform heel sticks
- Observe/assess parent infant attachment behaviors
- Perform hearing screening
- Obtain neonatal axillary temperatures
- Assess motor function
- Perform a behavioral assessment

- Perform interventions to maintain a thermoneutral environment
- Perform endotracheal intubation
- Administer resuscitation drugs
- Calculate drug dosages
- Manage parenteral feedings
- Monitor input and output
- Manage indwelling lines
- Ventilator management
- Monitor cardiopulmonary monitor function
- Suction neonates
- Manage shunts
- Assess sibling responses to premature infants
- Perform culturally sensitive care
- **Perform vision screening**

Practice Issues

- Does your employer recognize your certification in NIC nursing?
- Is certification required for your position?

Unit Description

- How many beds in your unit?
- What is the nurse:patient ratio?
- How many NNPs in your unit?
- How many RNs in your unit?
- How many physician in your unit?
- How many respiratory therapists in your unit?
- How PAs in your in unit?
- How many LPNs in your unit?

Biographical Data

Practice Setting

NICU Level I
NICU Level II
NICU Level III
Low Risk Nursery
Physician's office
Academic setting
Follow up clinic
Other

Highest Level of Education

Doctorate
Post Master's
Master's
BSN
Bachelors (Not in nursing)
Associate degree
Diploma
Other

How long have been a NIC Nurse?

Less than a year
1-5 years
6-10 years
11-15 years
16-20 years
Over 20 years

Where do you reside?

Northeast
Southeast
Midwest
Southwest
West

**2004 NIC Content Validation/Task Analysis
Survey Results**

Practice Characteristics
(Number of Respondents = 523)

How frequently do you care for neonates who are LESS THAN 28 WEEKS GESTATION?	N	%
Every day	205	39
A few times a week	157	30
A few times a month	93	18
A few times a year	44	8
Never	24	5

How frequently do you care for neonates who are 29 TO 33 WEEKS GESTATION?	N	%
Every day	293	56
A few times a week	150	28
A few times a month	56	11
A few times a year	15	3
Never	9	1

How frequently do you care for neonates who are MORE THAN 34 WEEKS GESTATION?	N	%
Every day	306	58
A few times a week	159	30
A few times a month	50	10
A few times a year	2	.3
Never	9	1

In any given month, what percentage of your time is devoted to DIRECT NEONATAL BEDSIDE CARE?	N	%
Less than 10%	48	9
11-25%	34	7
26-50%	56	10
51-75%	99	19
76-100%	286	54

In any given month, what percentage of your time is devoted to CARING FOR NEONATES UNDERGOING SURGICAL PROCEDURES?	N	%
None	112	21
Less than 10%	194	37
11-25%	116	22
26-50%	59	1
51-75%	27	5
76-100%	70	13

**2004 NIC Content Validation/Task Analysis
Survey Results**

In any given month, what percentage of your time is devoted to PARENT TEACHING?	N	%
None	3	.5
Less that 10%	41	8
11-25%	162	31
26-50%	152	29
51-75%	95	18
76-100%	70	13

In any given month, what percentage of your time is devoted to DEVELOPMENTAL CARE?	N	%
None	6	1
Less that 10%	59	1.1
11-25%	110	21
26-50%	104	20
51-75%	92	17
76-100%	152	29

In any given month, what percentage of your time is devoted to AIR OR GROUND TRANSPORT?	N	%
None	295	56
Less that 10%	143	27
11-25%	55	10
26-50%	14	2
51-75%	11	2
76-100%	5	1

In any given month, what percentage of your time is devoted to NEONATAL FOLLOW UP CARE?	N	%
None	363	69
Less that 10%	108	20
11-25%	27	5
26-50%	13	2
51-75%	4	1
76-100%	8	2

In any given month, what percentage of your time is devoted to HOME CARE?	N	%
None	458	87
Less that 10%	50	10
11-25%	6	1
26-50%	2	.3
51-75%	3	.5
76-100%	4	.5

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you PERFORM PHYSICAL ASSESSMENT OF THE NEONATE?	N	%
Every day	428	83
A few times a week	56	10
A few times a month	26	5
A few times a year	6	1
Never	7	1

How frequently do you PERFORM A RISK ASSESSMENT OF THE FAMILY?	N	%
Every day	140	26
A few times a week	124	23
A few times a month	91	17
A few times a year	38	7
Never	130	25

How frequently do you DIAGNOSE A CONDITION OR PROBLEM?	N	%
Every day	140	26
A few times a week	166	31
A few times a month	89	17
A few times a year	42	8
Never	91	17

How frequently do you DEVISE A PLAN OF CARE?	N	%
Every day	311	59
A few times a week	119	22
A few times a month	62	12
A few times a year	11	2
Never	20	4

How frequently are you involved in DISCHARGE PLANNING?	N	%
Every day	219	42
A few times a week	141	27
A few times a month	105	20
A few times a year	35	6
Never	18	3

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you MAKE REFERRALS?	N	%
Every day	48	9
A few times a week	134	26
A few times a month	152	29
A few times a year	70	13
Never	121	23

How frequently are you involved in FOLLOW UP OR LONG TERM CARE?	N	%
Every day	18	3
A few times a week	21	4
A few times a month	52	10
A few times a year	120	23
Never	312	59

How frequently are you INVOLVED IN HOME CARE?	N	%
Every day	12	2
A few times a week	9	1
A few times a month	15	3
A few times a year	42	8
Never	445	85

**2004 NIC Content Validation/Task Analysis
Survey Results**

Laboratory Tests/Diagnostic Studies
(Number of Respondents=523)

Do you manage neonates requiring COMPLETE BLOOD COUNT WITH DIFFERENTIAL?	N	%
Yes	517	98
No	6	2

Do you manage neonates requiring HEMATOCRIT STUDIES?	N	%
Yes	509	97
No	14	3

Do you manage neonates requiring HEMOGLOBIN STUDIES?	N	%
Yes	475	91
No	48	9

Do you manage neonates requiring RH (COOMBS) STUDIES?	N	%
Yes	508	97
No	15	3

Do you manage neonates requiring CEREBROSPINAL FLUID ANALYSIS?	N	%
Yes	510	97
No	13	3

Do you manage neonates requiring T₄ ASSAY?	N	%
Yes	467	89
No	56	11

Do you manage neonates requiring an ULTRASOUND?	N	%
Yes	514	98
No	9	2

Do you manage neonates requiring an EKG?	N	%
Yes	510	97
No	13	3

Do you manage neonates requiring a GLUCOSE SCREEN OR MONITORING OF GLCOSE LEVELS?	N	%
Yes	515	98
No	5	2

**2004 NIC Content Validation/Task Analysis
Survey Results**

Do you manage neonates requiring assessment of BILIRUBIN LEVELS?	N	%
Yes	517	99
No	6	1

Do you manage neonates requiring monitoring of CALCIUM AND/OR PHOSPHORUS LEVELS?	N	%
Yes	512	98
No	11	2

Do you manage neonates requiring ELECTROLYTE STUDIES?	N	%
Yes	517	99
No	6	1

Do you manage neonates requiring URINE STUDIES?	N	%
Yes	502	96
No	21	4

Do you manage neonates requiring STOOL CULTURES?	N	%
Yes	460	88
No	63	12

**2004 NIC Content Validation/Task Analysis
Survey Results**

Drug Management
(Number of Respondents=523)

Do you manage neonates on ANTIMICROBIAL THERAPY?	N	%
Yes	511	98
No	12	2

Do you manage neonates on ANTIHYPERTENSIVE DRUG THERAPY?	N	%
Yes	431	82
No	39	18

Do you manage neonates receiving DIURETICS?	N	%
Yes	497	95
No	26	5

Do you manage neonates receiving BRONCHODILATORS	N	%
Yes	495	95
No	28	5

Do you manage neonates on ANTICONVULSANT THERAPY?	N	%
Yes	500	96
No	23	4

Do you manage neonates on ANTICOAGULANT THERAPY?	N	%
Yes	368	70
No	155	30

Do you manage neonates receiving STEROIDS?	N	%
Yes	482	92
No	41	8

Do you manage neonates receiving RESPIRATORY STIMULANTS?	N	%
Yes	498	95
No	24	5

Do you manage neonates receiving VASODILATORS/VASOPRESSORS	N	%
Yes	486	93
No	37	7

**2004 NIC Content Validation/Task Analysis
Survey Results**

Do you manage neonates receiving ANTIDYSRHYTHMIA DRUGS?	N	%
Yes	422	81
No	101	19

Do you manage neonates receiving SURFACTANT REPLACEMENT THERAPY?	N	%
Yes	496	95
No	27	5

Do you manage neonates receiving ANALGESIC OR NARCOTIC DRUGS?	N	%
Yes	508	96
No	15	4

Do you manage neonates receiving SEDATIVE/HYPNOTIC DRUGS?	N	%
Yes	492	94
No	31	6

Do you manage neonates receiving ANESTHETIC/PARALYTIC DRUGS?	N	%
Yes	448	86
No	75	14

Do you manage neonates receiving INHALED NITRIC OXIDE THERAPY?	N	%
Yes	337	64
No	186	36

Do you manage neonates receiving ANTACIDS/GI MOTILITY DRUGS?	N	%
Yes	499	95
No	24	5

**2004 NIC Content Validation/Task Analysis
Survey Results**

Patient Interventions
(Number of Respondents =162)

How frequently do you manage neonates with APNEA OF PREMATURITY?	N	%
Every day	94	58
A few times a week	48	29.6
A few times a month	17	10.5
A few times a year	2	1.2
Never	1	.6

How frequently do you manage neonates with BRONCHOPULMONARY DYSPLASIA?	N	%
Every day	45	27.8
A few times a week	53	32.7
A few times a month	36	22.2
A few times a year	25	15.4
Never	3	1.9

How frequently do you manage neonates with PNEUMOTHORAX OR OTHER AIR LIEAKS?	N	%
Every day	2	1.2
A few times a week	12	7.4
A few times a month	62	38.3
A few times a year	85	52.5
Never	3	1.9

How frequently do you manage neonates with CARDIAC TAMPONADE?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	4	2.5
A few times a year	90	55.6
Never	68	42

How frequently do you manage neonates with HYPOTENSION?	N	%
Every day	15	9.3
A few times a week	34	21
A few times a month	81	50
A few times a year	28	17.3
Never	4	2.5

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with PULMONARY HEMORRHAGE?	N	%
Every day	0	0
A few times a week	2	1.2
A few times a month	29	17.9
A few times a year	114	70.4
Never	17	10.5

How frequently do you manage neonates with PATENT DUCTUS ARTERIOSUS?	N	%
Every day	16	9.9
A few times a week	39	24.1
A few times a month	84	51.9
A few times a year	19	11.7
Never	4	2.5

How frequently do you manage neonates with TRANSPOSITION OF THE GREAT VESSELS?	N	%
Every day	0	0
A few times a week	1	.6
A few times a month	12	7.4
A few times a year	118	72.8
Never	31	19.1

How frequently do you manage neonates with GI REFLUX?	N	%
Every day	51	31.5
A few times a week	46	28.4
A few times a month	55	34
A few times a year	10	6.2
Never	0	0

How frequently do you manage neonates with ABDOMINAL WALL DEFECTS?	N	%
Every day	2	1.2
A few times a week	3	1.9
A few times a month	26	16
A few times a year	110	67.9
Never	21	13

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with ESOPHAGEAL ATRESIA OR TRACHEOESOPHAGEAL FISTULA?	N	%
Every day	0	0
A few times a week	1	.6
A few times a month	12	7.4
A few times a year	118	72.8
Never	31	19.1

How frequently do you manage neonates with GI BLEEDS?	N	%
Every day	0	0
A few times a week	3	1.9
A few times a month	21	13
A few times a year	109	67.3
Never	29	17.9

How frequently do you manage neonates with RENAL FAILURE?	N	%
Every day	0	0
A few times a week	2	1.2
A few times a month	13	8
A few times a year	113	69.8
Never	34	21

How frequently do you manage neonates with ASPHYXIAL RENAL DAMAGE?	N	%
Every day	0	0
A few times a week	2	1.2
A few times a month	10	6.2
A few times a year	112	69.1
Never	38	23.5

How frequently do you manage neonates with HYDROCELE?	N	%
Every day	0	0
A few times a week	3	1.9
A few times a month	28	17.3
A few times a year	117	72.2
Never	14	8.6

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How frequently do you manage neonates with ADRENAL INSUFFICIENCY?	N	%
Every day	0	0
A few times a week	4	2.5
A few times a month	12	7.4
A few times a year	99	61.1
Never	47	29

How frequently do you manage neonates with HYPOTHYROIDISM?	N	%
Every day	1	.6
A few times a week	4	2.5
A few times a month	11	6.8
A few times a year	110	67.9
Never	36	22.2

How frequently do you manage neonates with ANEMIA?	N	%
Every day	23	14.2
A few times a week	51	31.5
A few times a month	74	45.7
A few times a year	12	7.4
Never	2	1.2

How frequently do you manage neonates with RH DISEASE?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	18	11.1
A few times a year	116	71.6
Never	28	17.3

How frequently do you manage neonates with MENINGITIS?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	14	8.6
A few times a year	124	76.5
Never	24	14.8

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with SEPSIS?	N	%
Every day	28	17.3
A few times a week	52	32.1
A few times a month	70	43.2
A few times a year	11	6.8
Never	1	.6

How frequently do you manage neonates with GROUP B STREPTOCOCCUS INFECTION?	N	%
Every day	2	1.2
A few times a week	12	7.4
A few times a month	56	34.6
A few times a year	90	66.6
Never	2	1.2

How frequently do you manage neonates with CYTOMEGALOVIRUS INFECTION?	N	%
Every day	1	.6
A few times a week	0	0
A few times a month	7	4.3
A few times a year	131	80.9
Never	23	14.2

How frequently do you manage neonates with HERPES?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	9	5.6
A few times a year	131	80.9
Never	22	13.6

How frequently do you manage neonates with VARICELLA?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	0	0
A few times a year	60	37
Never	102	63

How frequently do you manage neonates with COMMON SKIN CONDITIONS (MELIA, ERYTHEMIA TOXICUM)?	N	%
Every day	39	24.1
A few times a week	42	25.9
A few times a month	45	27.8
A few times a year	33	20.4
Never	3	1.9

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with BONE FRACTURES (ANY)?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	9	5.6
A few times a year	133	82.1
Never	20	12.3

How frequently do you manage neonates with CHROMOSOMAL SYNDROMES?	N	%
Every day	3	1.9
A few times a week	8	4.9
A few times a month	45	27.8
A few times a year	105	64.8
Never	1	.6

How frequently do you manage neonates with HYDROCEPHALUS?	N	%
Every day	2	1.2
A few times a week	13	8
A few times a month	28	17.3
A few times a year	109	67.3
Never	10	6.2

How frequently do you manage neonates with SEIZURES?	N	%
Every day	1	.6
A few times a week	3	1.9
A few times a month	45	27.8
A few times a year	108	66.7
Never	5	3.1

How frequently do you manage neonates with RETINOPATHY OF PREMATURITY?	N	%
Every day	10	6.2
A few times a week	16	9.9
A few times a month	76	46.9
A few times a year	55	34
Never	5	3.1

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with TRACHEOSTOMY?	N	%
Every day	2	1.2
A few times a week	11	6.8
A few times a month	15	9.3
A few times a year	0	0
Never	50	30.9

**2004 NIC Content Validation/Task Analysis
Survey Results**

Patient Interventions
(Number of Respondents =183)

How frequently do you manage neonates with MECONIUM ASPIRATION SYNDROME?	N	%
Every day	3	1.6
A few times a week	19	10.4
A few times a month	73	39.9
A few times a year	83	45.4
Never	5	2.7

How frequently do you manage neonates with TRANSIENT TACHYPNEA OF THE NEWBORN?	N	%
Every day	17	9.3
A few times a week	70	38.3
A few times a month	76	41.5
A few times a year	19	10.4
Never	1	.5

How frequently do you manage neonates with HYPOPLASTIC LUNGS?	N	%
Every day	2	1.1
A few times a week	6	3.3
A few times a month	20	10.9
A few times a year	134	73.2
Never	21	11.5

How frequently do you manage neonates with CYANOSIS?	N	%
Every day	45	24.6
A few times a week	78	42.6
A few times a month	46	25.1
A few times a year	13	7.1
Never	1	.5

How frequently do you manage neonates with HYPERTENSION?	N	%
Every day	3	1.6
A few times a week	13	7.1
A few times a month	61	33.3
A few times a year	96	52.5
Never	10	5.5

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with CONGESTIVE HEART FAILURE?	N	%
Every day	0	0
A few times a week	11	6
A few times a month	38	20.8
A few times a year	115	62.8
Never	19	10.4

How frequently do you manage neonates with VENTRICULAR SEPTAL DEFECT?	N	%
Every day	0	0
A few times a week	8	4.4
A few times a month	49	26.8
A few times a year	119	65
Never	7	3.8

How frequently do you manage neonates with TETRALOGY OF FALLOT?	N	%
Every day	0	0
A few times a week	1	.5
A few times a month	13	7.1
A few times a year	137	74.9
Never	32	17.5

How frequently do you manage neonates with GI PERFORATION?	N	%
Every day	2	1.1
A few times a week	4	2.2
A few times a month	39	21.3
A few times a year	111	60.7
Never	27	14.8

How frequently do you manage neonates with HIRSCHSPRUNG'S DISEASE?	N	%
Every day	0	0
A few times a week	1	.5
A few times a month	4	2.2
A few times a year	139	76
Never	39	21.3

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with SHORT GUT SYNDROME?	N	%
Every day	1	.5
A few times a week	6	3.3
A few times a month	18	9.8
A few times a year	105	57.4
Never	53	29

How frequently do you manage neonates with MALROTATION?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	5	2.7
A few times a year	124	67.8
Never	54	29.5

How frequently do you manage neonates with INGUINAL HERNIA?	N	%
Every day	3	1.6
A few times a week	12	6.6
A few times a month	66	36.1
A few times a year	94	51.4
Never	8	4.4

How frequently do you manage neonates with ASPHYXIAL RENAL DAMAGE?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	17	9.3
A few times a year	119	65
Never	47	25.7

How frequently do you manage neonates with REIN VEIN THROMBOSIS?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	1	.5
A few times a year	60	32.8
Never	122	66.7

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with HYPOGLYCEMIA?	N	%
Every day	28	15.3
A few times a week	80	43.7
A few times a month	64	35
A few times a year	10	5.5
Never	1	.5

How frequently do you manage neonates with HYPERTHYROIDISM?	N	%
Every day	0	0
A few times a week	4	2.2
A few times a month	8	4.4
A few times a year	97	53
Never	74	40.4

How frequently do you manage neonates with HYPERBILIRUBINEMIA?	N	%
Every day	54	29.5
A few times a week	86	47
A few times a month	40	21.9
A few times a year	3	1.6
Never	0	0

How frequently do you manage neonates with POLYCYTHEMIA?	N	%
Every day	3	1.6
A few times a week	21	11.5
A few times a month	60	32.8
A few times a year	91	49.7
Never	8	4.4

How frequently do you manage neonates with CANDIDIASIS?	N	%
Every day	4	2.2
A few times a week	7	3.8
A few times a month	57	31.1
A few times a year	104	56.8
Never	11	6

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with HIV INFECTION?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	8	4.4
A few times a year	98	53.6
Never	77	42.1

How frequently do you manage neonates with STAPHYLOCOCCAL INFECTION?	N	%
Every day	5	2.7
A few times a week	15	8.2
A few times a month	77	42.1
A few times a year	81	44.3
Never	5	2.7

How frequently do you manage neonates with TOXOPLASMOSIS?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	1	.5
A few times a year	84	45.9
Never	98	53.6

How frequently do you manage neonates with A METABOLIC GENETIC DISORDER?	N	%
Every day	1	.5
A few times a week	3	1.6
A few times a month	15	8.2
A few times a year	139	76
Never	25	13.7

How frequently do you manage neonates with CLEFT LIP AND/OR PALATE?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	10	5.5
A few times a year	167	91.3
Never	6	3.3

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with HYPOXIC ISCHEMIC ENCEPHALOPATHY?	N	%
Every day	0	0
A few times a week	1	.5
A few times a month	29	15.8
A few times a year	131	71.6
Never	22	12

How frequently do you manage neonates with PERIVENTRICULAR OR INTRAVENTRICULAR HEMORRHAGE?	N	%
Every day	11	6
A few times a week	26	14.2
A few times a month	79	43.2
A few times a year	57	31.1
Never	10	5.5

How frequently do you manage neonates with EXPOSED TO ALCOHOL IN UTERO?	N	%
Every day	0	0
A few times a week	5	2.7
A few times a month	44	24
A few times a year	122	66.7
Never	12	6.6

How frequently do you manage neonates with DRUG WITHDRAWAL?	N	%
Every day	0	0
A few times a week	14	7.7
A few times a month	66	36.1
A few times a year	96	52.5
Never	7	3.8

How frequently do you manage neonates with TRACHAL STENOSIS/ATRESIA?	N	%
Every day	0	0
A few times a week	2	1.1
A few times a month	13	7.1
A few times a year	138	75.4
Never	30	3.8

**2004 NIC Content Validation/Task Analysis
Survey Results**

NIC Skills
(Number of Respondents =183)

How frequently do you ASSESS FOR NEONATAL PAIN?	N	%
Every day	172	94
A few times a week	11	6
A few times a month	0	0
A few times a year	0	0
Never	0	0

How frequently do you PERFORM A NEUROLOGICAL EXAM?	N	%
Every day	116	63.4
A few times a week	25	13.7
A few times a month	24	13.1
A few times a year	13	7.1
Never	5	2.7

How frequently do you TAKE NEONATAL BLOOD PRESSURE?	N	%
Every day	165	90.2
A few times a week	16	8.7
A few times a month	1	.5
A few times a year	1	.5
Never	0	0

How frequently do you MANAGE THERMOREGULATION FOR INFANTS ON RADIANT WARMERS?	N	%
Every day	155	84.7
A few times a week	23	12.6
A few times a month	3	1.6
A few times a year	2	1.1
Never	0	0

How frequently do you MANAGE IV LINES?	N	%
Every day	162	88.5
A few times a week	15	8.2
A few times a month	3	1.6
A few times a year	3	1.6
Never	0	0

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you PERFORM CHEST COMPRESSION?	N	%
Every day	3	1.6
A few times a week	4	2.2
A few times a month	34	18.6
A few times a year	130	71
Never	12	6.6

How frequently do you CALCULATE FLUID REQUIREMENTS?	N	%
Every day	107	58.5
A few times a week	24	13.1
A few times a month	14	7.7
A few times a year	12	6.6
Never	26	14.2

How frequently do you ASSESS FOR INSENSIBLE WATER LOSS?	N	%
Every day	97	53
A few times a week	32	17.5
A few times a month	23	12.6
A few times a year	12	6.6
Never	19	10.4

How frequently do you MANAGE ENTERAL FEEDINGS?	N	%
Every day	144	78.7
A few times a week	21	11.5
A few times a month	7	3.8
A few times a year	6	3.3
Never	5	2.7

How frequently do you ASSESS FOR DRUG INCOMPATIBILITIES?	N	%
Every day	138	75.4
A few times a week	27	14.8
A few times a month	8	4.4
A few times a year	8	4.4
Never	2	1.1

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently are you INVOLVED IN CARING FOR NEONATES requiring OXYGEN?	N	%
Every day	150	82
A few times a week	26	14.2
A few times a month	5	2.7
A few times a year	2	1.1
Never	0	0

How frequently do you PROVIDE TRACHEOSTOMY?	N	%
Every day	5	2.7
A few times a week	4	2.2
A few times a month	25	13.7
A few times a year	101	55.2
Never	48	26.2

How frequently do you INTERPRET BLOOD GASES?	N	%
Every day	119	65
A few times a week	50	27.3
A few times a month	8	4.4
A few times a year	6	3.3
Never	0	0

How frequently are you involved in providing care that MAINTAINS NEONATAL SKIN INTEGRITY?	N	%
Every day	158	86.3
A few times a week	15	8.2
A few times a month	7	3.8
A few times a year	3	1.6
Never	0	0

How frequently do you OBSERVE/ASSESS PARENTAL STRESS RESPONSES?	N	%
Every day	142	77.6
A few times a week	31	16.9
A few times a month	4	2.2
A few times a year	1	.5
Never	5	2.7

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently are you involved in the care of neonates on ECMO?	N	%
Every day	0	0
A few times a week	1	.5
A few times a month	12	6.6
A few times a year	27	14.8
Never	143	78.1

How frequently do you MONITOR NEONATES ON PHOTOTHERAPY?	N	%
Every day	75	41
A few times a week	79	43.2
A few times a month	22	12
A few times a year	7	3.8
Never	0	0

**2004 NIC Content Validation/Task Analysis
Survey Results**

Patient Interventions
(Number of Respondents =178)

How frequently do you manage neonates with PERSISTENT PULMONARY HYPERTENSION?	N	%
Every day	5	2.8
A few times a week	16	9
A few times a month	64	36
A few times a year	78	43.8
Never	15	8.4

How frequently do you manage neonates with RESPIRATORY DISTRESS SYNDROME?	N	%
Every day	75	42.1
A few times a week	59	33.1
A few times a month	31	17.4
A few times a year	8	4.5
Never	5	2.8

How frequently do you manage neonates with DIAPHRAMATIC HERNIA?	N	%
Every day	1	.6
A few times a week	1	.6
A few times a month	11	6.2
A few times a year	119	66.9
Never	46	25.8

How frequently do you manage neonates with COARCTATION OF THE AORTA?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	8	4.5
A few times a year	131	73.6
Never	39	21.9

How frequently do you manage neonates with CARDIAC ARRHYTHMIAS?	N	%
Every day	1	.6
A few times a week	1	.6
A few times a month	23	12.9
A few times a year	140	78.7
Never	13	7.3

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with PULMONARY STENOSIS/ATRESIA?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	12	6.7
A few times a year	129	72.5
Never	37	20.8

How frequently do you manage neonates with TOTAL ANOMALOUS PULMONARY VENOUS RETURN?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	1	.6
A few times a year	108	60.7
Never	69	38.8

How frequently do you manage neonates with HYPOPLASTIC LEFT HEART SYNDROME?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	3	1.7
A few times a year	120	67.4
Never	55	30.9

How frequently do you manage neonates who are in SHOCK?	N	%
Every day	2	1.1
A few times a week	11	6.2
A few times a month	66	37.1
A few times a year	88	49.4
Never	11	6.2

How frequently do you manage neonates with AN INTESTINAL OBSTRUCTION?	N	%
Every day	1	.6
A few times a week	3	1.7
A few times a month	48	27
A few times a year	107	60.1
Never	19	10.7

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with NECROTIZING ENTEROCOLITIS?	N	%
Every day	1	.6
A few times a week	7	3.9
A few times a month	61	34.3
A few times a year	88	49.4
Never	21	11.8

How frequently do you manage neonates with MECONIUM ILEUS/PLUG?	N	%
Every day	1	.6
A few times a week	1	.6
A few times a month	17	9.6
A few times a year	134	75.3
Never	25	14

How frequently do you manage neonates with AMBIGUOUS GENITALIA?	N	%
Every day	0	0
A few times a week	1	.6
A few times a month	2	1.1
A few times a year	133	74.7
Never	42	23.6

How frequently do you manage neonates with URINARY TRACT INFECTION?	N	%
Every day	0	0
A few times a week	2	1.1
A few times a month	16	9
A few times a year	124	69.7
Never	36	20.2

How frequently do you manage neonates with TESTICULAR TORSION?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	1	.6
A few times a year	71	39.9
Never	106	59.6

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with INFANTS OF DIABETIC MOTHERS?	N	%
Every day	7	3.9
A few times a week	49	27.5
A few times a month	92	51.7
A few times a year	24	13.5
Never	6	3.4

How frequently do you manage neonates with OSTEOPENIA OF PREMATURITY?	N	%
Every day	8	4.5
A few times a week	5	2.8
A few times a month	24	13.5
A few times a year	80	44.9
Never	61	34.3

How frequently do you manage neonates with DISSEMINATED INTRAVASCULAR COAGULATION OR OTHER COAGULOPATHIES?	N	%
Every day	1	.6
A few times a week	2	1.1
A few times a month	27	15.2
A few times a year	118	66.3
Never	30	16.9

How frequently do you manage neonates with HEPATITIS B?	N	%
Every day	0	0
A few times a week	1	.6
A few times a month	7	3.9
A few times a year	109	61.2
Never	61	34.3

How frequently do you manage neonates with CHLAMYDIA?	N	%
Every day	1	.6
A few times a week	1	.6
A few times a month	6	3.4
A few times a year	93	52.2
Never	77	43.3

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with SYPHILIS?	N	%
Every day	1	.6
A few times a week	0	0
A few times a month	5	2.8
A few times a year	70	39.3
Never	102	57.3

How frequently do you manage neonates with E. COLI INFECTION?	N	%
Every day	0	0
A few times a week	2	1.1
A few times a month	33	18.5
A few times a year	124	69.7
Never	19	10.7

How frequently do you manage neonates who were EXPOSED TO NICOTINE IN UTERO?	N	%
Every day	32	18
A few times a week	52	29.2
A few times a month	60	33.7
A few times a year	26	14.6
Never	8	4.5

How frequently do you manage neonates with NEONATAL ABSTINENCE SYNDROME?	N	%
Every day	4	2.2
A few times a week	5	2.8
A few times a month	56	31.5
A few times a year	82	46.1
Never	31	17.4

How frequently do you manage neonates with CONGENITAL ANOMALIES?	N	%
Every day	1	.6
A few times a week	14	7.9
A few times a month	69	38.8
A few times a year	89	50
Never	5	2.8

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you manage neonates with NEUROMUSCULAR BIRTH INJURIES?	N	%
Every day	0	0
A few times a week	2	1.1
A few times a month	24	13.5
A few times a year	135	75.8
Never	17	9.6

How frequently do you manage neonates with NEURAL TUBE DEFECTS?	N	%
Every day	0	0
A few times a week	1	.6
A few times a month	14	7.9
A few times a year	135	75.8
Never	28	15.7

How frequently do you manage neonates with SUBDURAL HEMORRHAGE?	N	%
Every day	1	.6
A few times a week	2	1.1
A few times a month	23	12.9
A few times a year	127	71.3
Never	25	14

How frequently do you manage neonates with CHOANAL ATRESIA?	N	%
Every day	0	0
A few times a week	0	0
A few times a month	0	0
A few times a year	138	73
Never	48	27

How frequently do you manage neonates with PERIVENTRICULAR LEUKOMALACIA?	N	%
Every day	2	1.1
A few times a week	3	1.7
A few times a month	44	24.7
A few times a year	94	52.8
Never	35	19.7

**2004 NIC Content Validation/Task Analysis
Survey Results**

NIC Skills

(Number of Respondents =162)

How frequently do you REVIEW MATERNAL HISTORY?	N	%
Every day	90	55.6
A few times a week	53	32.7
A few times a month	17	10.5
Never	2	1.2

How frequently do you ASSESS GESTATIONAL AGE?	N	%
Every day	59	36.4
A few times a week	69	42.6
A few times a month	23	14.2
A few times a year	6	3.7
Never	5	3.1

How frequently do you ASSESS NEONATAL SLEEP STATES?	N	%
Every day	82	50.6
A few times a week	38	23.5
A few times a month	17	10.5
A few times a year	3	1.9
Never	22	13.6

How frequently do you MANAGE THERMOREGULATION FOR INFANTS IN INCUBATORS?	N	%
Every day	127	78.4
A few times a week	25	15.4
A few times a month	7	4.3
A few times a year	1	.6
Never	2	1.2

How frequently do you PERFORM BAG AND MASK VENTILATION?	N	%
Every day	28	17.3
A few times a week	74	45.7
A few times a month	48	29.6
A few times a year	12	7.4
Never	0	0

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you PERFORM APGAR SCORING?	N	%
Every day	34	21
A few times a week	51	31.5
A few times a month	24	14.8
A few times a year	13	8
Never	40	24.7

How frequently do you CALCULATE CALORIC NEEDS?	N	%
Every day	44	27.2
A few times a week	23	14.2
A few times a month	15	9.3
A few times a year	14	8.6
Never	66	40.7

How frequently do you MANAGE ORAL FEEDINGS?	N	%
Every day	115	71
A few times a week	26	16
A few times a month	9	5.6
A few times a year	3	1.9
Never	9	5.6

How frequently do you DETERMINE ELECTROLYTE REQUIREMENTS?	N	%
Every day	36	22.2
A few times a week	33	20.4
A few times a month	8	4.9
A few times a year	4	2.5
Never	81	50

How frequently do you ASSESS FOR DRUG SIDE EFFECTS?	N	%
Every day	117	72.2
A few times a week	34	21
A few times a month	10	6.2
A few times a year	1	.6
Never	0	0

How frequently are you INVOLVED IN CARING FOR NEONATES with a CHEST TUBE?	N	%
Every day	3	1.9
A few times a week	7	4.3
A few times a month	37	22.8
A few times a year	111	68.5
Never	4	2.5

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you MONITOR PULSE OXIMETRY?	N	%
Every day	139	85.8
A few times a week	20	12.3
A few times a month	3	1.9
A few times a year	0	0
Never	0	0

How frequently do you INTERPRET X-RAYS?	N	%
Every day	47	29
A few times a week	47	29
A few times a month	23	14.2
A few times a year	5	3.1
Never	40	24.7

How frequently do you PERFORM HEEL STICKS?	N	%
Every day	106	65.4
A few times a week	40	24.7
A few times a month	7	4.3
A few times a year	2	1.2
Never	7	4.3

How frequently do you OBSERVE/ASSESS PARENT INFANT ATTACHMENT BEHAVIORS?	N	%
Every day	118	72.8
A few times a week	33	20.4
A few times a month	11	6.8
A few times a year	0	0
Never	0	0

How frequently do you ASSESS NEONATAL SLEEP STATES?	N	%
Every day	82	50.6
A few times a week	38	23.5
A few times a month	17	10.5
A few times a year	3	1.9
Never	22	13.6

How frequently do you PERFORM HEARING SCREENING?	N	%
Every day	19	11.7
A few times a week	21	13
A few times a month	21	13
A few times a year	11	6.8
Never	90	55.6

**2004 NIC Content Validation/Task Analysis
Survey Results**

NIC Skills
(Number of Respondents =178)

How frequently do you obtain NEONATAL AXILLARY TEMPERATURES?	N	%
Every day	158	88.8
A few times a week	10	5.6
A few times a month	4	2.2
Never	6	3.4

How frequently do you ASSESS MOTOR FUNCTION?	N	%
Every day	156	87.6
A few times a week	14	7.9
A few times a month	1	.6
A few times a year	0	0
Never	7	3.9

How frequently do you PERFORM A BEHAVIORAL ASSESSMENT?	N	%
Every day	124	69.7
A few times a week	23	12.9
A few times a month	9	5.1
A few times a year	6	3.4
Never	16	9

How frequently do you PERFORM INTERVENTIONS TO MAINTAIN A THERMONEUTRAL ENVIRONMENT?	N	%
Every day	159	89.3
A few times a week	11	6.2
A few times a month	3	1.7
A few times a year	2	1.1
Never	3	1.7

How frequently do you PERFORM ENDOTRACHEAL INTUBATION?	N	%
Every day	8	4.5
A few times a week	13	7.3
A few times a month	19	10.7
A few times a year	18	10.1
Never	129	67.4

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you ADMINISTER RESUSCITATION DRUGS?	N	%
Every day	0	0
A few times a week	4	2.2
A few times a month	52	29.2
A few times a year	108	60.7
Never	14	7.9

How frequently do you CALCULATE DRUG DOSAGES?	N	%
Every day	132	74.2
A few times a week	22	12.4
A few times a month	7	3.9
A few times a year	10	5.6
Never	7	3.9

How frequently do you MANAGE PARENTERAL FEEDINGS?	N	%
Every day	132	74.2
A few times a week	16	9
A few times a month	11	6.2
A few times a year	6	3.4
Never	13	7.3

How frequently do you MONITOR INPUT AND OUTPUT?	N	%
Every day	155	87.1
A few times a week	8	4.5
A few times a month	6	3.4
A few times a year	4	2.2
Never	5	2.8

How frequently do you MANAGE INDWELLING LINES?	N	%
Every day	127	71.3
A few times a week	24	13.5
A few times a month	13	7.3
A few times a year	7	3.9
Never	7	3.9

How frequently are you engaged in VENTILATOR MANAGEMENT?	N	%
Every day	95	53.4
A few times a week	37	20.8
A few times a month	24	13.5
A few times a year	10	5.6
Never	12	6.7

**2004 NIC Content Validation/Task Analysis
Survey Results**

How frequently do you ASSESS NEONATES ON CARDIOPULMONARY MONITORS?	N	%
Every day	152	85.4
A few times a week	10	5.6
A few times a month	7	3.9
A few times a year	3	1.7
Never	6	3.4

How frequently do you SUCTION INFANTS?	N	%
Every day	113	63.5
A few times a week	42	23.6
A few times a month	16	9
A few times a year	2	1.1
Never	5	2.8

How frequently do you MANAGE SHUNTS?	N	%
Every day	3	1.7
A few times a week	7	3.9
A few times a month	38	21.3
A few times a year	85	47.8
Never	45	25.3

How frequently do you ASSESS SIBLING RESPONSES TO PREMATURE INFANTS?	N	%
Every day	18	10.1
A few times a week	35	19.7
A few times a month	55	30.9
A few times a year	30	16.9
Never	40	22.5

How frequently do you perform CULTURALLY SENSITIVE CARE?	N	%
Every day	76	42.7
A few times a week	27	15.2
A few times a month	31	17.4
A few times a year	34	19.1
Never	10	5.6

How frequently do you PERFORM VISION SCREENING?	N	%
Every day	1	.6
A few times a week	17	9.6
A few times a month	39	21.9
A few times a year	11	6.2
Never	110	61.8

**2004 NIC Content Validation/Task Analysis
Survey Results**

Practice Issues
(Number of Respondents=523)

Does your employer recognize YOUR CERTIFICATION IN NEONATAL INTENSIVE CARE NURSING?	N	%
Yes	388	74
No	135	26

Is CERTIFICATION REQUIRED FOR YOUR POSITION?	N	%
Yes	52	10
No	471	90

Unit Description
(Number of Respondents=523)

How many BEDS IN YOUR UNIT?	N	%
Less than 10	38	8
11-25	159	30
26-40	159	30
Over 40	167	32

What is the NURSE:PATIENT RATIO?	N	%
1:1	3	.5
1:2	211	40
1:3	222	42
1:4	36	7
1:5	6	1
OTHER	45	9

How many NPNs IN YOUR UNIT?	N	%
Less than 6	350	67
6-10	137	26
11-15	27	5
16-20	6	1
Over 20	3	.5

How many RNS IN YOUR UNIT?	N	%
Less than 6	19	3
6-10	17	3
11-15	18	3
16-20	50	10
Over 20	419	80

**2004 NIC Content Validation/Task Analysis
Survey Results**

How many PHYSICIANS IN YOUR UNIT?	N	%
Less than 5	205	39
5-10	219	41
Over 10	99	20

How many RESPIRATORY THERAPITSTS IN YOUR UNIT?	N	%
Less than 5	271	52
5-10	82	16
Over 10	94	20

How many PAs IN YOUR UNIT?	N	%
Less than 5	517	99
5-10	5	16
Over 10	1	

How many LPNs IN YOUR UNIT?	N	%
Less than 5	474	91
5-10	44	8
Over 10	5	1

**2004 NIC Content Validation/Task Analysis
Survey Results**

Biographical Data
(Number of Respondents=523)

PRACTICE SETTING	N	%
NICU Level I	11	1
NICU Level II	70	13
NICU Level III	450	86
Low Risk Nursery	8	
Physician's Office	0	
Academic Setting	4	
Follow up Clinic	1	
Other	9	1

HIGHEST LEVEL OF EDUCATION	N	%
Doctorate	2	
Post Masters	12	2
Masters	86	16
BSN	236	45
Bachelors (not in nursing)	22	4
Associate degree	89	17
Diploma	75	14
Other	1	1

HOW LONG HAVE YOU BEEN A NEONATAL INTENSIVE CARE NURSE?	N	%
Less than a year	8	1
1-5 years	21	4
6-10 years	68	13
11-15 years	92	18
16-20	184	35
Over 25 years	150	29

WHERE DO YOU RESIDE?	N	%
Northeast	112	21
Southeast	127	24
Midwest	113	21
Southwest	76	15
West	95	18