



## JOB ANALYSIS REPORT

### NATIONAL CERTIFICATION CORPORATION

### NEONATAL PEDIATRIC TRANSPORT

September 2019

#### PSI SERVICES

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#### SUBMITTED TO



## EXECUTIVE SUMMARY

This report describes the methodology and procedure used to conduct a job analysis and develop the exam specifications for the National Certification Corporation (NCC) Neonatal Pediatric Transport certification examination.

The three major activities that comprise the job analysis process described in this report are as follows:

1. **Job Analysis Committee Meeting** – A gathering of subject matter experts (SMEs) to discuss and develop a description of the scope of practice
2. **Job Analysis Survey** – A large-scale survey of practitioners not involved with the SME panel to validate the task and knowledge statements developed by the panel
3. **Development of Examination Specifications** – The development of Examination Specifications by the panel based on the results of the survey

Several practitioners were assembled by NCC to serve as SMEs. The individuals selected represent a wide variety of work-related characteristics such as years of experience, work setting, geographic location, and areas of specialty. This helps in developing a scope of practice that is reflective of the roles and responsibilities of the job role and is relatively free from bias. By analyzing the experiences and expertise of current practitioners, the results from the job analysis become the basis of a validated assessment that reflects the competencies required for competent job performance.

The job analysis process utilized in this study yields exam specifications that accurately reflect the scope of practice, allowing for the development of fair, accurate, and realistic assessments of candidates' readiness for certification. The resultant Examination Specifications document (Appendix C) indicates a 100-item examination with content distribution requirements at the competency area (content domain) level as well as topic (content subdomain) level. The three competency areas are:

1. Transport Core Knowledge
2. Clinical Issues in Neonatal Transport
3. Clinical Issues in Pediatric Transport

## INTRODUCTION

This report describes the methodology and procedure used to conduct a job analysis and develop the exam specifications for the National Certification Corporation (NCC) Neonatal Pediatric Transport (NPT) certification examination.

The procedure was conducted in accordance with principles and practices outlined in the *Standards for Educational and Psychological Testing*<sup>1</sup>, which describe principles and guidelines for all aspects of test development, including content validation.

A job analysis (sometimes referred to as a practice analysis, job task analysis, or work analysis) is a scientific inquiry conducted in order to identify the tasks and work activities conducted, the context in which those tasks and activities are carried out, and the competencies (knowledge areas, skills, and abilities) required to perform a job role successfully<sup>2</sup>. Different methods can be used which may differ in the levels of specificity in analyzing and describing different work elements, with the choice of method largely dependent on the intended purpose and use of the results. The methodology of the current analysis was tailored to the creation of exam specifications for test development.

When completed, the job analysis process utilized in this study yields exam specifications that accurately reflect the scope of practice, allowing for the development of fair, accurate, and realistic assessments of candidates' readiness for certification. The job analysis is typically performed every 5 to 7 years so that the content outline represents the current scope of practice. Because it serves as the primary basis for content validity evidence, as required by the aforementioned Standards, the job analysis is a primary mechanism by which a certifying body or regulatory board can ensure the accuracy and defensibility of an exam. It serves as the foundation of the certification exam and is critical to the success of the entire exam development process. All necessary documentation verifying that the validation process has been implemented in accordance with professional standards is included in this report.

This report is divided into three major activities of the job analysis process, which are:

1. **Job Analysis Committee Meeting** – A gathering of subject matter experts (SMEs) to discuss and develop a description of the scope of practice
2. **Job Analysis Survey** – A large-scale survey of practitioners not involved with the SME panel to validate the task and knowledge statements developed by the panel
3. **Development of Examination Specifications** – The development of Examination Specifications by the panel based on the results of the survey

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<sup>1</sup> American Educational Research Association, American Psychological Association, National Council on Measurement in Education (2014). *Standards for Educational and Psychological Testing*. Washington, DC: AERA.

<sup>2</sup> Sackett, P. R. & Laczko, R. M. (2003). *Job and Work Analysis*. Handbook of Psychology. One: 2: 19–37.

## JOB ANALYSIS COMMITTEE MEETING

NCC selected subject matter experts (SMEs) to represent a wide variety of work-related characteristics such as years of experience, work setting, geographic location, and areas of specialty to develop a scope of practice that is reflective of the roles and responsibilities of the job and is relatively free from bias.

See Appendix A for a complete list of the SMEs and their qualifications.

PSI conducted a job analysis committee meeting on April 15, 2019 with SMEs to discuss the scope of practice and develop a list of tasks and knowledge areas that reflect the job role. PSI led the SMEs in refining task and knowledge statements and organizing them into a domain and subdomain structure. The outgoing NCC NPT exam content outline and candidate handbook were used as resources when developing the knowledge areas and tasks.

The job analysis committee developed 38 task statements.

1. Obtain and interpret history
2. Perform comprehensive assessment
3. Identify life-threatening conditions
4. Identify and prioritize patient treatment
5. Develop, implement and communicate interdisciplinary plan of care
6. Evaluate, revise and communicate plan of care
7. Manage safe clinical and transport environment
8. Identify and prioritize family needs
9. Identify and address legal and/or ethical issues
10. Modify care to mitigate effects of transport environment
11. Document patient assessment, treatment and response
12. Identify and manage difficult airway
13. Establish and maintain advanced airway
14. Establish and maintain intravascular access
15. Establish and maintain intraosseous access
16. Manage invasive ventilation
17. Manage noninvasive ventilation
18. Manage thermoregulation
19. Monitor and evaluate vital signs
20. Manage infusion pumps
21. Manage medication and fluid administration
22. Manage spinal immobilization
23. Manage traction devices
24. Assess and manage pain
25. Assess and manage sedation
26. Manage therapeutic hypothermia
27. Evaluate laboratory data
28. Evaluate diagnostic imaging
29. Manage specialty gas administration
30. Administer blood and blood products

31. Manage massive transfusion protocol
32. Perform cardiopulmonary resuscitation and stabilization
33. Perform thoracentesis
34. Establish and maintain surgical airways
35. Perform pericardiocentesis
36. Obtain and maintain peripheral and central intravenous access\*
37. Obtain and maintain umbilical venous and arterial access\*
38. Administer Surfactant\*

\*Added afterwards via Pilot Survey Comments

The job analysis committee developed 23 knowledge statements across three content domains.

1. Transport Core Knowledge
  - A. Regulation, legal and ethical issues
  - B. Safety, communication and environment
  - C. Pharmacology
  - D. Respiratory physiology
  - E. Principles of mechanical ventilation
  - F. Procedures and management of invasive devices
  - G. Thermoregulation
  - H. Resuscitation and stabilization
  - I. Flight physiology
  - J. Fluid and electrolytes
  - K. History and physical assessment
2. Clinical Issues in Neonatal Transport
  - A. Pulmonary
  - B. Cardiovascular
  - C. Glucose and electrolyte management
  - D. Neurological
  - E. Surgical emergencies
  - F. Extremely low birth weight neonate
3. Clinical Issues in Pediatric Transport
  - A. Pulmonary
  - B. Cardiovascular
  - C. Metabolic and hematologic
  - D. Neurological
  - E. Exposure to drugs, poisons and toxins
  - F. Accidental and non-accidental trauma (e.g., burns, penetrating, blunt and submersion injuries)

**Table 1.**  
*Task Linkage Table.*

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>1</b>																	
1A				x	x		x	x	x		x			x	x		
1B				x	x	x	x	x		x	x	x	x	x	x		
1C				x	x	x					x	x	x			x	x
1D				x	x	x	x			x	x	x	x			x	x
1E					x	x					x		x			x	x
1F					x	x					x	x	x	x	x		
1G					x	x	x			x	x						
1H				x	x	x					x						
1J					x	x	x			x			x			x	x
1K					x	x					x			x	x		
1L	x	x	x	x	x			x	x		x	x	x	x	x	x	x
<b>2</b>																	
2A			x	x									x			x	x
2B			x	x									x			x	x
2C			x														
2D			x														x
2E			x														
2F			x										x			x	x
<b>3</b>																	
3A			x	x									x			x	x
3B			x	x									x			x	x
3C			x														
3D			x														x
3E			x				x									x	x
3F			x													x	x

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
<b>1</b>																		
1A		x		x			x	x	x	x			x	x	x	x	x	x
1B	x		x	x	x	x	x	x	x			x	x	x	x	x	x	x
1C		x	x	x		x	x	x		x					x			
1D		x					x	x	x	x	x				x	x	x	
1E							x	x				x			x		x	
1F		x	x	x							x		x		x	x	x	x
1G	x	x						x	x				x	x	x			
1H															x			
1J	x	x								x		x						
1K		x	x	x						x			x	x	x			
1L				x	x	x	x	x							x			
<b>2</b>																		
2A		x					x	x			x	x				x		
2B		x					x	x	x		x	x	x					x
2C		x		x					x	x								
2D	x	x					x	x	x		x							
2E											x							
2F	x	x						x										
<b>3</b>																		
3A		x					x	x			x	x				x		
3B		x				x	x	x	x		x	x	x	x				x
3C		x		x						x			x	x				
3D	x	x			x	x	x	x	x		x							
3E		x		x						x		x						
3F	x	x		x	x	x	x				x		x	x				

## JOB ANALYSIS SURVEY

PSI developed, administered, and monitored a survey to validate the tasks and knowledge areas developed by the job analysis committee and to help determine content weighting. To this end, the survey collected respondents' ratings of the importance and frequency for each task and knowledge area. Below are the prompts for each rating scale.

What are the importance and performance frequency of each task *in your practice* as a health care professional that provides Neonatal and/or Pediatric Transport?

What are the importance and frequency of application of these knowledge areas *in your practice* as a health care professional that provides Neonatal and/or Pediatric Transport?

**Importance**

- 0 – Not Applicable
- 1 – Not Important
- 2 – Minimally Important
- 3 – Moderately Important
- 4 – Very Important
- 5 – Critically Important

**Frequency**

- 0 – Never
- 1 – Annually
- 2 – Quarterly
- 3 – Monthly
- 4 – Weekly
- 5 – Daily

Between April 24, 2019 and May 2, 2019, a pilot survey was conducted with the job analysis committee and NCC staff members to ensure that the survey was operating correctly. Three tasks were added to the survey following comments from pilot survey respondents:

- Obtain and maintain peripheral and central intravenous access
- Obtain and maintain umbilical venous and arterial access
- Administer Surfactant

The live survey was sent using online survey software to a list of 1,259 individuals which was obtained from NCC. The list included all individuals who currently hold the NCC Neonatal Pediatric Transport credential. The number of individuals that provided acceptable responses (selected 'Yes' to the first two questions described below, and completed at least 50% of the task ratings) was 230 (18%). The survey was opened on May 23, 2019 and closed on July 11, 2019. See Appendix B for the email sent to potential respondents.

The first question of the survey read: *Do you agree to take part in this survey?* The second question read: *Are you currently practicing as a Neonatal and/or Pediatric Transport provider?* These questions served as filters to allow only those who indicated "yes" to move forward with the rest of the survey.



Table 2 shows the mean ratings provided by the 230 respondents for the task statements. Table 3 shows the mean ratings provided by 181 respondents for the knowledge statements.

**Table 2.**  
*Task Statement Ratings.*

Task Statements	Importance	Frequency
1 Obtain and interpret history	4.51	4.87
2 Perform comprehensive assessment	4.84	4.87
3 Identify life-threatening conditions	4.91	4.70
4 Identify and prioritize patient treatment	4.70	4.83
5 Develop, implement and communicate interdisciplinary plan of care	4.23	4.60
6 Evaluate, revise and communicate plan of care	4.33	4.72
7 Manage safe clinical and transport environment	4.85	4.85
8 Identify and prioritize family needs	3.73	4.74
9 Identify and address legal and/or ethical issues	3.72	3.94
10 Modify care to mitigate effects of transport environment	4.33	4.50
11 Document patient assessment, treatment and response	4.64	4.87
12 Identify and manage difficult airway	4.86	3.86
13 Establish and maintain advanced airway	4.90	3.89
14 Establish and maintain intravascular access	4.64	4.60
15 Establish and maintain intraosseous access	4.18	2.36
16 Manage invasive ventilation	4.82	4.34
17 Manage noninvasive ventilation	4.62	4.31
18 Manage thermoregulation	4.64	4.64
19 Monitor and evaluate vital signs	4.75	4.91
20 Manage infusion pumps	4.49	4.81
21 Manage medication and fluid administration	4.61	4.72
22 Manage spine immobilization	3.83	2.62
23 Manage traction devices	2.98	1.60
24 Assess and manage pain	4.32	4.72
25 Assess and manage sedation	4.37	4.28
26 Manage therapeutic hypothermia	4.30	2.93
27 Evaluate laboratory data	4.50	4.79
28 Evaluate diagnostic imaging	4.36	4.55
29 Manage specialty gas administration	4.30	3.29
30 Administer blood and blood products	4.10	2.52
31 Manage massive transfusion protocol	2.96	1.20
32 Perform cardiopulmonary resuscitation and stabilization	4.91	2.70
33 Perform thoracentesis	3.90	1.47
34 Establish and maintain surgical airways	3.59	1.17
35 Perform pericardiocentesis	2.47	0.50
36 Obtain and maintain peripheral and central intravenous access	4.32	4.02
37 Obtain and maintain umbilical venous and arterial access	4.28	3.18
38 Administer Surfactant	4.19	2.86

**Table 3.**  
*Knowledge Statement Ratings.*

Knowledge Statements	Importance	Frequency
1 Regulation, legal and ethical issues	3.81	3.53
2 Safety, communication and environment	4.67	4.73
3 Pharmacology	4.62	4.64
4 Respiratory physiology	4.57	4.51
5 Principles of mechanical ventilation	4.60	4.35
6 Procedures and management of invasive devices	4.43	3.93
7 Thermoregulation	4.51	4.47
8 Resuscitation and stabilization	4.90	3.87
9 Flight physiology	4.12	3.46
10 Fluid and electrolytes	4.39	4.55
11 History and physical assessment	4.56	4.79
12 Pulmonary	4.64	4.52
13 Cardiovascular	4.59	4.39
14 Glucose and electrolyte management	4.49	4.53
15 Neurological	4.38	4.21
16 Surgical emergencies	4.37	3.64
17 Extremely low birth weight neonate	4.48	3.58
18 Pulmonary	4.42	4.40
19 Cardiovascular	4.40	4.20
20 Metabolic and hematologic	4.20	3.95
21 Neurological	4.24	3.98
22 Exposure to drugs, poisons and toxins	4.07	3.35
23 Accidental and non-accidental trauma (e.g., burns, penetrating, blunt and submersion injuries)	4.14	3.16

The survey included demographic questions regarding professional characteristics relevant to the job role. See Table 4 for a summary of the demographic questions in the survey.

**Table 4.**  
*Results of the Demographic Questions in the Job Analysis Survey.*

<b>1. Do you agree to take part in this survey?</b>	<i>n</i>	%
Yes	356	98.89
No	4	1.11

<b>2. Are you currently practicing as a Neonatal and/or Pediatric Transport provider?</b>	<i>n</i>	%
Yes	302	84.83
No	54	15.17

<b>3. Which of the following best describes your PRIMARY professional role?</b>	<i>N</i>	%
Physician	0	0.00
Nurse Practitioner	15	6.52
Clinical Nurse Specialist	2	0.87
Registered Nurse	131	56.96
Paramedic	16	6.96
Physician Assistant	0	0.00
Respiratory Therapist	66	28.70

<b>4. Do you currently hold the National Certification Corporation (NCC) C-NPT certification?</b>	<i>n</i>	%
Yes	230	100.00
No	0	0.00

<b>5. Which of the following best describes your PRIMARY practice setting when providing Neonatal and/or Pediatric Transport?</b>	<i>n</i>	%
Hospital	180	78.26
Ambulatory Clinic	1	0.43
Birth Center	0	0.00
Emergency Medical Services	49	21.30

6. What is the highest level hospital/unit designation in which you provide Neonatal and/or Pediatric Transport?	<i>n</i>	%
Level I (Basic Care)	1	0.43
Level II (Specialty care for newborns at 32 weeks gestation or more, weighing 1500 g or more with problems expected to resolve rapidly or who are convalescing from higher level care)	2	0.87
Level III (Subspecialty care for high-risk newborns needing continuous life support and comprehensive care for critical illness. Includes infants weighing less than 1500 g or less than 32 weeks gestation at birth)	31	13.48
Level IV (Includes level III care as well as on-site pediatric medical and surgical subspecialties to care for infants with complex congenital or acquired conditions, coordinate transport systems and outreach education)	189	82.17
Do not know	0	0.00
Not applicable	7	3.04

7. Under which hospital area do you function?	<i>n</i>	%
Stand alone transport team, hospital based	176	76.52
Stand alone transport team, stand alone transport company	13	5.65
ED staff based	1	0.43
Pediatric ICU staff based	6	2.61
Neonatal ICU staff based	34	14.78

8. Where is your PRIMARY workplace located?	<i>n</i>	%
Northeast	19	8.37
Midwest	78	34.36
South	85	37.44
West	44	19.38
Territories	0	0.00
Canada	1	0.44

## DEVELOPMENT OF EXAMINATION SPECIFICATIONS

The Job Analysis Committee met on September 6, 2019 to review the results of the survey, finalize the tasks and knowledge that would comprise the next exam content outline, establish linkages among the tasks and knowledge areas, and finalize the content weighting for the examination.

The committee reviewed the demographic results and confirmed that the results matched expectations and impressions of the practitioner population, suggesting that the respondent sample is reflective of those currently working in Neonatal Pediatric Transport.

Task 22 (*Manage spinal immobilization*) was edit to *Manage cervical spine immobilization*. Tasks 23 (*Manage traction devices*), 31 (*Manage massive transfusion protocol*), and 35 (*Perform pericardiocentesis*) were removed due to low mean ratings. All knowledge areas were retained. After the committee completed their review of the task and knowledge ratings, they identified requisite knowledge areas for Tasks 36, 37, and 38. See Table 5 for the updated linkage results.

**Table 5.**  
*Task Linkage Table.*

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>1</b>																	
1A				x	x		x	x	x		x			x	x		
1B				x	x	x	x	x		x	x	x	x	x	x		
1C				x	x	x					x	x	x			x	x
1D				x	x	x	x			x	x	x	x			x	x
1E					x	x					x		x			x	x
1F					x	x					x	x	x	x	x		
1G					x	x	x			x	x						
1H				x	x	x					x						
1J					x	x	x			x			x			x	x
1K					x	x					x			x	x		
1L	x	x	x	x	x			x	x		x	x	x	x	x	x	x
<b>2</b>																	
2A				x	x								x			x	x
2B				x	x								x			x	x
2C				x													
2D				x													x
2E				x													
2F				x									x			x	x
<b>3</b>																	
3A				x	x								x			x	x
3B				x	x								x			x	x
3C				x													
3D				x													x
3E				x				x								x	x
3F				x												x	x

	18	19	20	21	22	24	25	26	27	28	29	30	32	33	34	36	37	38
<b>1</b>																		
1A		x		x		x	x	x	x			x	x	x	x			
1B	x		x	x	x	x	x	x			x	x	x	x	x			
1C		x	x	x		x	x		x		x		x					x
1D		x				x	x	x	x	x	x		x	x	x			x
1E						x	x				x		x		x			x
1F		x	x	x						x		x	x	x	x	x	x	x
1G	x	x					x	x				x	x					
1H													x			x	x	
1J	x	x							x		x							
1K		x	x	x					x			x	x			x		
1L				x	x	x	x						x					
<b>2</b>																		
2A		x				x	x			x	x			x				x
2B		x				x	x	x		x	x	x						x
2C		x		x				x	x									x
2D	x	x				x	x	x		x								
2E										x								
2F	x	x					x											
<b>3</b>																		
3A		x				x	x			x	x			x				
3B		x				x	x	x		x	x	x						
3C		x		x					x				x					
3D	x	x			x	x	x	x		x								
3E		x		x					x		x							
3F	x	x		x	x	x				x		x						

The committee then reviewed the draft content weighting, discussing any adjustments necessary to align the number of items per content area with adequate content coverage on the examination. The draft content weighting was developed by determining a percentage weight based on the relative weight of the mean importance value for each content area.

The committee agreed to make the following adjustment at the domain level:

- III – Clinical Issues in Pediatric Transport was increased from 25 to 26.

At the subdomain level, adjustments were made to reflect the range in scope of each content area. See Table 6 for a summary of the content weighting determination. The final examination specifications can be found in Appendix C.

**Table 6.**  
*Content Weighting Determination.*

		Final	Survey
<b>1</b>	<b>Transport Core Knowledge</b>	<b>48</b>	<b>48.16%</b>
1A	Regulation, legal and ethical issues	4	3.73%
1B	Safety, communication and environment	5	4.58%
1C	Pharmacology	5	4.53%
1D	Respiratory physiology	5	4.48%
1E	Principles of mechanical ventilation	5	4.50%
1F	Procedures and management of invasive devices	4	4.34%
1G	Thermoregulation	3	4.41%
1H	Resuscitation and stabilization	5	4.80%
1I	Flight physiology	4	4.03%
1J	Fluid and electrolytes	4	4.29%
1K	History and physical assessment	4	4.47%
<b>2</b>	<b>Clinical Issues in Neonatal Transport</b>	<b>26</b>	<b>26.38%</b>
2A	Pulmonary	6	4.54%
2B	Cardiovascular	4	4.50%
2C	Glucose and electrolyte management	4	4.39%
2D	Neurological	4	4.29%
2E	Surgical emergencies	3	4.27%
2F	Extremely low birth weight neonate	5	4.39%
<b>3</b>	<b>Clinical Issues in Pediatric Transport</b>	<b>26</b>	<b>25.46%</b>
3A	Pulmonary	6	4.54%
3B	Cardiovascular	5	4.50%
3C	Metabolic and hematologic	4	4.11%
3D	Neurological	4	4.29%
3E	Exposure to drugs, poisons and toxins	3	3.98%
3F	Accidental and non-accidental trauma (e.g., burns, penetrating, blunt and submersion injuries)	4	4.05%

## APPENDIX A

### SUBJECT MATTER EXPERTS

Name	Job Title	Employer	Years Exp.	State
Bethany Dewkett	Transport Nurse	Dartmouth-Hitchcock Medical Center	11	NH
Elizabeth Schierholz	Neonatal Nurse Practitioner; Research Fellow	Children’s Hospital Colorado; University of Colorado	29	CO
Scott Saunders	Associate Professor of Pediatrics	Washington University	21	MO
Scott May	Respiratory Therapist	Children’s Mercy	23	MO
Jason Malia	Clinical Program Director	Yale New Haven Children’s Hospital	13	CT
Tammy Bleak	Manager of Children’s Services	Intermountain Life Flight	35	UT
Cynthia Japp	Clinical Nurse Specialist	Children’s Hospital Medical Center	37	NE



## APPENDIX B

### SURVEY EMAIL

Date: May 23, 2019  
From: info@nccnet.org via surveymonkey.com  
Subject: NCC NPT 2019 Job Analysis Survey

Body: The National Certification Corporation (NCC) invites you to participate in the Neonatal Pediatric Transport (NPT) Job Analysis Survey. This survey will be used to identify tasks and knowledge reflective of the professional role of a health care professional that provides NPT.

The results of the survey will help develop the specifications for the NCC NPT certification exam. This is a great way to contribute to the industry and ensure that a high standard is maintained.

The survey will likely require 15 to 20 minutes to complete. Your individual responses will be kept confidential and will be combined with those of other respondents. The deadline to complete the survey is **June 27, 2019**.

Please note that participation in this survey is voluntary. At the end of the survey you can choose to provide your name and email for a chance to **win a \$100.00 Amazon gift card**.

Please read all questions carefully and select responses that best represent *your practice* as a health care professional that provides **NPT**.

Thank you for your participation. Please direct all inquiries to info@nccnet.org.

## APPENDIX C

### FINAL EXAMINATION SPECIFICATION

	Content Area	# of Questions
<b>1</b>	<b>Transport Core Knowledge</b>	<b>48</b>
1A	Regulation, legal and ethical issues	4
1B	Safety, communication and environment	5
1C	Pharmacology	5
1D	Respiratory physiology	5
1E	Principles of mechanical ventilation	5
1F	Procedures and management of invasive devices	4
1G	Thermoregulation	3
1H	Resuscitation and stabilization	5
1I	Flight physiology	4
1J	Fluid and electrolytes	4
1K	History and physical assessment	4
<b>2</b>	<b>Clinical Issues in Neonatal Transport</b>	<b>26</b>
2A	Pulmonary	6
2B	Cardiovascular	4
2C	Glucose and electrolyte management	4
2D	Neurological	4
2E	Surgical emergencies	3
2F	Extremely low birth weight neonate	5
<b>3</b>	<b>Clinical Issues in Pediatric Transport</b>	<b>26</b>
3A	Pulmonary	6
3B	Cardiovascular	5
3C	Metabolic and hematologic	4
3D	Neurological	4
3E	Exposure to drugs, poisons and toxins	3
3F	Accidental and non-accidental trauma (e.g., burns, penetrating, blunt and submersion injuries)	4

**Notes:** Each examination form will include one set of 25 unscored pretest items in addition to the 100 scored items. Three hours of testing time. Initial base form passing point will be determined by Angoff method in Q4 of 2019. Future passing points established through pre-equating.