



**Direct Care**  
Certification Eligibility Pathway

Acute/Critical Care  
Nursing Certification  
Adult • Pediatric • Neonatal

AACN  

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CERTIFICATION  
CORPORATION

*Certification Organization for the American Association of Critical-Care Nurses*

## MISSION

AACN Certification Corporation drives patient health and safety through comprehensive credentialing of acute and critical care nurses, advancing practice consistent with standards of excellence.

## VISION

All nurses caring for acutely and critically ill patients and their families are certified.

## VALUES

As the Corporation advances its mission and vision to fulfill its purpose and inherent obligation of driving the health and safety of patients experiencing acute and critical illness, we are guided by a set of deeply rooted values. These values are the foundation upon which we build our relentless pursuit of excellence.

- **Integrity** – *We demonstrate sound judgment, ethical behavior and accountability in all we do.*
- **Inclusion** – *We cultivate an inclusive and equitable culture, where everyone contributes their unique strengths and perspectives.*
- **Transformation** – *We drive change and innovation to positively impact the healthcare system and improve the lives of patients, families and nurses.*
- **Leadership** – *We advocate and influence to achieve optimal outcomes and healthy work environments.*
- **Relationships** – *We collaborate and advance partnerships, honoring each individual to strengthen the collective.*

## ETHICS

AACN and AACN Certification Corporation consider the American Nurses Association (ANA) Code of Ethics for Nurses foundational for nursing practice, providing a framework for making ethical decisions and fulfilling responsibilities to the public, colleagues and the profession. AACN Certification Corporation’s mission of public protection supports a standard of excellence where certified nurses have a responsibility to read about, understand and act in a manner congruent with the ANA Code of Ethics for Nurses.



The following AACN Certification Corporation programs have been accredited by the Accreditation Board for Specialty Nursing Certification (ABSNC).

|               |                   |                  |               |           |
|---------------|-------------------|------------------|---------------|-----------|
| CCRN® (Adult) | CCRN® (Pediatric) | CCRN® (Neonatal) | PCCN® (Adult) | ACNPC-AG® |
| CMC®          | CSC®              | ACCNS-AG®        | ACCNS-N®      | ACCNS-P®  |

Our advanced practice certification programs, ACCNS-AG, ACCNS-P, ACCNS-N and ACNPC-AG, are in alignment with the Consensus Model for APRN Regulation and other foundational national standards for APRN education, accreditation and regulation.

# CCRN EXAM HANDBOOK

## Direct Care Eligibility Pathway

### *Acute/Critical Care Certification – Adult, Pediatric, Neonatal*

As healthcare becomes increasingly complex and challenging, certification has emerged as a mark of excellence showing patients, employers and the public that a nurse possesses a defined body of knowledge and has met the rigorous requirements to achieve specialty and/or subspecialty certification.

AACN Certification Corporation programs were created to protect healthcare consumers by validating the knowledge of nurses who care for and/or influence the care delivered to the acutely and critically ill. We are pleased to provide you with this handbook with information about our programs and how to apply for and take the CCRN certification exam - Direct Care Eligibility Pathway.

Today, nurses hold more than 140,000 certifications from AACN Certification Corporation.

#### Specialty Certifications

**CCRN®** is for the nurse providing care to or influencing the care of acutely/critically ill adult, pediatric or neonatal patients. Three eligibility pathways are available:

- **Direct Care** - for the nurse who provides direct care to acutely/critically ill adult, pediatric or neonatal patients.
- **Knowledge Professional** - for the nurse who influences the care delivered to acutely/critically ill adult, pediatric or neonatal patients, but does not primarily or exclusively provide direct care.
- **Tele-critical Care** - for the nurse working in a tele-critical care setting monitoring/caring for acutely/critically ill adult patients from a remote location.

**PCCN®** is for the progressive care nurse. Two pathways of eligibility are available:

- **Direct Care** - for the nurse providing direct care to acutely ill adult patients.
- **Knowledge Professional** - for the nurse who influences the care delivered to acutely ill adult patients, but does not primarily or exclusively provide direct care.

#### Subspecialty Certifications

**CMC®** is for the certified nurse providing direct care to acutely/critically ill adult cardiac patients.

**CSC®** is for the certified nurse providing direct care to acutely/critically ill adult patients during the first 48 hours after cardiac surgery.

#### Advanced Practice Certifications

**ACNPC-AG®** is for the nurse educated at the graduate level as an adult-gerontology acute care nurse practitioner (AGACNP).

The **ACCNS** credentials are for nurses educated at the graduate level as clinical nurse specialists to provide care across the continuum from wellness through acute care:

**ACCNS-AG®** is for the clinical nurse specialist educated to care for adult-gerontology patients.

**ACCNS-P®** is for the clinical nurse specialist educated to care for pediatric patients.

**ACCNS-N®** is for the clinical nurse specialist educated to care for neonatal patients.

With implementation of the Consensus Model in 2015, ACNPC and CCNS are available as renewal options only:

**ACNPC®** is for the acute care nurse practitioner educated to provide care to adult patients.

**CCNS®** is for the acute/critical care clinical care specialist educated to provide care to adult, pediatric or neonatal patients.

**AACN Certification Corporation's APRN certifications are recognized for licensure in all U.S. states and territories.**

We continually seek to provide quality certification programs that meet the changing needs of nurses and patients. Please visit [www.aacn.org/certification](http://www.aacn.org/certification), or call 800-899-2226 for more information about the above certifications.

Thank you for your commitment to patients and their families and to becoming certified.



Please direct inquiries to:

**AACN Certification Corporation, 27071 Aliso Creek Road, Aliso Viejo, CA 92656**

**800-899-2226 • Fax: 949-362-2020 • [certification@aacn.org](mailto:certification@aacn.org)**

Please include your AACN customer number with all correspondence to AACN Certification Corporation.

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The following information can be found in the [Certification Exam Policy Handbook](#) online at [www.aacn.org/certhandbooks](http://www.aacn.org/certhandbooks):

- AACN Certification Programs
- Name and Address Changes
- Confidentiality of Exam Application Status
- Testing Options
- Exam Scheduling and Cancellation
- Exam Day Experience
- Duplicate Score Reports
- Recognition of Certification
- Use of Credentials
- Denial of Certification
- Revocation of Certification
- Review and Appeal of Certification Eligibility

# Which CCRN Eligibility Pathway is Right for You?

## Direct Care Pathway

You provide direct care to acutely/critically ill (adult, pediatric or neonatal) patients, regardless of their geographic location.

### ELIGIBILITY

- A current, unencumbered U.S. RN or APRN license is required.
- Candidates must complete one of the following clinical practice hour requirement options:

**Two-Year Option:** Practice as an RN or APRN for 1,750 hours in direct care of acutely/critically ill patients during the previous two years, with 875 of those hours accrued in the most recent year preceding application.

OR

**Five-Year Option:** Practice as an RN or APRN during the previous five years with a minimum of 2,000 hours in direct care of acutely/critically ill patients, with 144 of those hours accrued in the most recent year preceding application.

For more details, explore this **CCRN Exam Handbook - Direct Care Eligibility Pathway**.

## Knowledge Professional Pathway

You apply knowledge that influences the care delivered to acutely/critically ill (adult, pediatric or neonatal) patients, but do not primarily or exclusively provide direct care.

### ELIGIBILITY

- A current, unencumbered U.S. RN or APRN license is required.
- Candidates must meet the following practice requirement.

Practice as an RN or APRN for 1,040 hours during the previous two years, with 260 of those hours accrued in the most recent year preceding application.

Eligible practice hours include those in which the nurse applies knowledge in a way that influences patients, nurses and/or organizations to have a positive impact on the care delivered to acutely/critically ill patients and families.

For more details, refer to the **CCRN Exam Handbook - Knowledge Professional Eligibility Pathway** at [www.aacn.org/certhandbooks](http://www.aacn.org/certhandbooks).

## Tele-critical Care Pathway

You monitor and care for acutely/critically ill (adult) patients by camera from a centralized or remote tele-critical care setting that is networked to the bedside.

### ELIGIBILITY

- A current, unencumbered U.S. RN or APRN license is required.
- Candidates must complete one of the following clinical practice hour requirement options:

**Two-Year Option:** Practice as an RN or APRN for 1,750 hours in the care of acutely/critically ill patients in a tele-critical care setting or in a combination of tele-critical care and direct care during the previous two years, with 875 of those hours accrued in the most recent year preceding application.

OR

**Five-Year Option:** Practice as an RN or APRN during the previous 5 years with a minimum of 2,000 hours in the care of acutely/critically ill patients in a tele-critical care setting or in a combination of tele-critical care and direct care, with 144 of those hours accrued in the most recent year preceding application.

For more details, refer to the **CCRN Exam Handbook - Tele-critical Care Eligibility Pathway** at [www.aacn.org/certhandbooks](http://www.aacn.org/certhandbooks).

*The majority of practice hours for CCRN eligibility must focus on critically ill patients.*

# CCRN Certification Program

## CCRN® Registered Service Mark

CCRN is a registered service mark and denotes certification in acute/critical care nursing as granted by AACN Certification Corporation. Registered nurses who have not achieved CCRN certification, whose CCRN certification has lapsed or who have chosen Inactive status are not authorized to use the CCRN credential.

Misuse of the credential is viewed by AACN Certification Corporation as misleading to the public and may result in denial or revocation of certification.

Although a common misconception, CCRN is not an acronym for “critical care registered nurse.” This would imply that nurses are registered as critical care nurses, which is not accurate.

## Purpose and Rationale

CCRN certification is a specialty certification for nurses who provide care to or influence the care of acutely/critically ill adult, pediatric or neonatal patients.

The CCRN exam is based on a study of practice, also known as a job analysis. The job analysis, conducted at least every five years, validates the knowledge, skills and experience required for safe and effective practice as an RN or APRN who provides care to or influences the care delivered to acutely/critically ill patients in one of the following patient populations: adult, pediatric or neonatal.

The test plan, which provides an outline of exam content, is developed by an expert CCRN panel based on the results of the study of practice. The organizing framework for all AACN Certification Corporation exams is the AACN Synergy Model for Patient Care™.

Clinical practice requirements have been validated by subject matter experts. The required hours of clinical practice correspond to the third stage of competence in *Benner's Stages of Clinical Competence*. CCRN certification denotes to the public those practitioners who possess a distinct and clearly defined body of knowledge called acute/critical care nursing.

## CCRN Exam Content

The CCRN exams are 3-hour tests consisting of 150 multiple-choice items. Of the 150 items, 125 are scored and 25 are used to gather statistical data on item performance for future exams.

The CCRN exams focus on the adult, pediatric or neonatal patient population. Eighty percent (80%) of each exam focuses on Clinical Judgment and the remaining 20% covers Professional Caring and Ethical Practice.

AACN Certification Corporation is transitioning to the use of generic names only for medications in exams and practice exam products. During the transition, exam candidates may continue to see items that include both generic and trade names.

## CCRN Test Plans

The content of the CCRN exams is described in the test plans included in this handbook. Candidates are tested on a variety of patient care problems that are organized under major categories. Please note the percentage of the CCRN exam devoted to each category.

## Passing Point/Cut Score

A criterion-referenced standard setting process, known as the modified Angoff, is used to establish the passing point/cut score for the exam. Each candidate's performance on the exam is measured against a predetermined standard.

The passing point/cut score for the exam is established using a panel of subject matter experts, a Score Evaluation Committee (SEC), who carefully reviews each exam question to determine the basic level of knowledge or skill that is expected. The passing point/cut score is based on the panel's established difficulty ratings for each exam question.

Under the guidance of a psychometrician, the panel develops and recommends the passing point/cut score, which is reviewed and approved by AACN Certification Corporation. The passing point/cut score for the exam is established to identify individuals with an acceptable level of knowledge and skill. All individuals who pass the exam, regardless of their score, have demonstrated an acceptable level of knowledge.

# CCRN Exam - Direct Care Eligibility Pathway

## Licensure

Current, unencumbered U.S.<sup>1</sup> RN or APRN licensure is required.

- An unencumbered license is not currently being subjected to formal discipline by the board of nursing in the state(s) in which you are practicing and has no provisions or conditions that limit your nursing practice.<sup>2</sup>
- Provisions or conditions may include, but are not limited to, direct supervision of practice, drug administration limitations and/or practice area exclusions.
- Documentation of all provisions and conditions from the board or its designee must be reviewed prior to approval for testing.
- Candidates and CCRN-certified nurses must notify AACN Certification Corporation **within 30 days** if any provisions or conditions are placed on their RN or APRN license(s).

## Practice

Candidates must meet *one* of the following clinical practice requirement options:

- Practice as an RN or APRN for 1,750 hours in direct care of acutely/critically ill patients during the previous 2 years, with 875 of those hours accrued in the most recent year preceding application.

### OR

- Practice as an RN or APRN during the previous 5 years with a minimum of 2,000 hours in direct care of acutely/critically ill patients, with 144 of those hours accrued in the most recent year preceding application.

Eligible hours are those spent caring for the patient population (adult, pediatric or neonatal) in alignment with the exam for which you are applying. A majority of the total practice hours and those within the year prior to application for CCRN exam eligibility must focus on *critically* ill patients.

Orientation hours spent shadowing/working with another nurse who is the one with the patient assignment cannot be counted toward clinical hours for CCRN eligibility; however, orientation hours during which you are the assigned nurse providing direct care to acutely/critically ill patients may be counted.

Clinical practice hours must be completed in a U.S.-based<sup>1</sup> or Canada-based facility or in a facility determined to be comparable to the U.S. standard of acute/critical care nursing practice as evidenced by Magnet® designation or [Joint Commission International](#) accreditation.

Nurses serving as manager, educator (in-service or academic), APRN or preceptor may apply hours spent supervising nursing students or nurses at the bedside.

- Nurses in these roles must be actively involved in direct patient care; for example, demonstrating how to measure pulmonary artery pressures or supervising a new employee or student nurse performing a procedure.

## Practice Verification

The name and contact information of a professional associate must be given for verification of eligibility related to clinical practice hours. If you are selected for audit, this associate will need to verify in writing that you have met the clinical hour requirements.

- A professional associate is defined as your clinical supervisor or a colleague (RN or physician) with whom you work.

AACN Certification Corporation may adopt additional eligibility requirements at its sole discretion. Any such requirements will be designed to establish, for the purposes of CCRN certification, the adequacy of a candidate's knowledge in care of the acutely/critically ill.

<sup>1</sup> Includes District of Columbia and U.S. territories of Guam, Virgin Islands, American Samoa and Northern Mariana Islands

<sup>2</sup> If a restriction (temporary or permanent) is placed on an RN or APRN license for an incident that occurred prior to obtaining the license, AACN Certification Corporation will evaluate such an occurrence on a case-by-case basis to determine if exam eligibility requirements are met.



## Application Fees

| CCRN Fees           | Member | Nonmember |
|---------------------|--------|-----------|
| Computer-Based Exam | \$255  | \$370     |
| Retest              | \$180  | \$285     |
| Renewal by Exam     | \$180  | \$285     |

Payable in U.S. funds. Fees are subject to change without notice. A \$15 fee will be charged for a returned check.

Computer-based testing discounts are available for groups of **10 or more** candidates submitting their AACN certification exam applications in the same envelope. Employers may pre-purchase exam vouchers at a further discounted rate.

For details about the Group Discount and Organization Discount Programs, visit [www.aacn.org/certdiscounts](http://www.aacn.org/certdiscounts), email [certification@aacn.org](mailto:certification@aacn.org) or call 800-899-2226.

AACN Certification Corporation recommends that you be ready to test *before* applying for the CCRN exam.

### Online Application Process

- ▶ **Register online** for computer-based testing at [www.aacn.org/certification](http://www.aacn.org/certification) > [Get Certified](#)
- ▶ **Before you get started**, have available the following:
  - RN or APRN license number and expiration date
  - Name, address, phone and email address of your clinical supervisor or a professional colleague (RN or physician) who can verify your practice eligibility
  - Credit card (Visa, MasterCard, Discover or American Express)
- ▶ **Same day processing**

### Paper Application Process

- ▶ **Paper applications are required** for those applying with a group, for paper-and-pencil exams and for testing outside the U.S.
- ▶ **Complete the application** on [pages 35 and 36](#) and **honor statement** on [page 37](#)
  - Fill in all requested information, including that for your RN or APRN license
- ▶ **Include application fee**
  - Credit card, check or money order
- ▶ **Allow 2 to 4 weeks for processing**

#### Use your legal name on the application.

*This name must match photo identification used for exam entry and will be the name printed on your certificate.*

#### 1. Receive confirmation email

- After you *successfully* apply for the exam, you will receive a confirmation email from AACN with information about how to schedule your exam appointment. The email will include the eligibility period during which you must take the exam — normally a 90-day window, but currently a 180-day window.
- If you do not receive your confirmation email after applying for an exam, please contact AACN Customer Care at 800-899-2226 or [certcorp@aacn.org](mailto:certcorp@aacn.org).

#### 2. Schedule your exam

- In your confirmation email from AACN, you will find a link to schedule your exam appointment. In your AACN customer dashboard, you will also find a “Schedule Exam” link. Both links will take you to the AACN Scheduling page.
- Before selecting an exam date, you will need to choose your preferred computer-based testing option — at a PSI Testing Center or via Live Remote Proctoring from your computer in a quiet, private location. For details, refer to the [Certification Exam Policy Handbook](#) online at [www.aacn.org/certhandbooks](http://www.aacn.org/certhandbooks).
- If you are taking a paper-and-pencil exam or testing outside the U.S., AACN and PSI will coordinate with you to schedule your exam appointment.

#### 3. Sit for the exam

- Upon completion of computer-based exams, results will show on-screen and a detailed score report will be emailed to you within 24 hours.
- Results of paper-and-pencil exams are received by mail 6 to 8 weeks following testing.
- Successful candidates will be mailed their wall certificate approximately 4-6 weeks after testing. Certificants are also able to self-print a certificate through their AACN Dashboard; log into AACN.org and select Certification. More information will be provided in your congratulations email.

#### Please ensure that AACN has your current contact information on record.

Updates may be made online at [www.aacn.org/myaccount](http://www.aacn.org/myaccount) or emailed to [info@aacn.org](mailto:info@aacn.org).

For name changes, please call AACN Customer Care at **800-899-2226**.

# CCRN Renewal - Direct Care Pathway

## Purpose and Limitations of Renewal Options

The purpose of certification renewal is to promote continued competence. The renewal process helps to maintain an up-to-date knowledge base through continuing education and practice hours, or practice hours and passing the certification exam.

Following are the limitations to the components of the renewal options:

- CE/CERP limitations include content quality and relevance to practice as well as an individual's ability to self-select CE/CERPs most pertinent to the individual's practice and educational needs.
- Limitations of practice hours include the quality of the practice environment and limitations on learning opportunities.
- One limitation of the exam is not assessing new competencies, as exam competencies were validated through initial certification.

Requiring two components for renewal rather than one decreases the limitations and furthers the goal of continued competence.

## Renewal Period

CCRN certification is granted for a period of 3 years. Your certification period begins the first day of the month in which the CCRN certification exam is passed and ends 3 years later; for example, February 1, 2023 through January 31, 2026.

You have up to 90 days beyond your certification expiration date to renew; however, practice hours and CERP's must have been completed during the 3-year period of your certification date. **CERPs or practice hours cannot be accumulated during the 90-day grace period.**

Renewal notifications will be emailed to you starting 4 months before your scheduled CCRN renewal date. **You are responsible for renewing your certification even if you do not receive renewal notification.** Refer to [www.aacn.org/certification](http://www.aacn.org/certification) > [Renew Certification](#) for current information.

## Renewal Eligibility Pathways

Three renewal eligibility pathways are available to CCRN certificants.

### CCRN - Direct Care Pathway

If you primarily or exclusively provide direct care to acutely/critically ill patients (population matching certification held - adult, pediatric or neonatal) in specialty areas such as intensive care units, cardiac care units, combined ICU/CCUs, trauma units or critical care transport/flight, CCRN renewal via the Direct Care Eligibility Pathway may be an option.

For more details, refer to the [CCRN Renewal Handbook - Direct Care Eligibility Pathway](#) online at [www.aacn.org/certhandbooks](http://www.aacn.org/certhandbooks).

### CCRN - Knowledge Professional Pathway

If you apply knowledge in a way that influences patients, nurses and/or organizations to have a positive impact on the care delivered to acutely/critically ill patients (population matching certification held - adult, pediatric or neonatal), but do not primarily or exclusively provide direct care, CCRN renewal via the Knowledge Professional Eligibility Pathway may be an option.

For more details, refer to the [CCRN Renewal Handbook - Knowledge Professional Eligibility Pathway](#) online at [www.aacn.org/certhandbooks](http://www.aacn.org/certhandbooks).

### CCRN - Tele-critical Care Pathway

If you focus on monitoring and caring for acutely/critically ill adult patients by camera from a centralized or remote tele-critical care setting that is networked to the bedside, CCRN renewal via the Tele-critical Care Eligibility Pathway may be an option.

For more details, refer to the [CCRN Renewal Handbook - Tele-critical Care Eligibility Pathway](#) online at [www.aacn.org/certhandbooks](http://www.aacn.org/certhandbooks).

*continued*

<sup>1</sup> Includes District of Columbia and U.S. territories of Guam, Virgin Islands, American Samoa and Northern Mariana Islands

### Renewal Eligibility Options

You may seek CCRN certification renewal via Renewal by Synergy CERPs or Renewal by Exam, or you may choose Inactive, Retired or Alumnus status. Online Renewal is available to all active certificants as early as 4 months prior to their scheduled renewal date. Visit [www.aacn.org/certification](http://www.aacn.org/certification) > [Renew Certification](#).

#### Option 1 - Renewal by Synergy CERPs

- Meet eligibility requirements for CCRN renewal and complete the Continuing Education Recognition Point (CERP) Program, which requires 100 CERPs in various categories (A, B & C).
- You must retain evidence of your achievement of the required CERPs. Up to 3 years following your scheduled renewal date, you may be selected for audit.

#### Option 2 - Renewal by Exam

- Meet the eligibility requirements for CCRN renewal and successfully apply for and schedule your exam.
- The CCRN exam must be completed **before** your scheduled renewal date. You may not take the exam early, then attempt to renew by CERPs if you do not pass.
- This option is unavailable in the last month of the renewal period.

#### Option 3 - Inactive Status

- Inactive status is available to CCRN-certified nurses who do not meet the renewal eligibility requirements but do not wish to lose their certification status. Inactive status provides additional time, **up to 3 years** from the scheduled renewal date, to meet the renewal eligibility requirements.

# AACN Synergy Model for Patient Care

Synergy is an evolving phenomenon that occurs when individuals work together in mutually enhancing ways toward a common goal. AACN Certification Corporation is committed to ensuring that certified nursing practice is based on the needs of patients. Integration of the AACN Synergy Model for Patient Care into AACN Certification Corporation's certification programs puts emphasis on the patient and says to the world that patients come first.

The Synergy Model creates a comprehensive look at the patient. It puts the patient in the center of nursing practice. The model identifies nursing's unique contributions to patient care and uses language to describe the professional nurse's role. It provides nursing with a venue that clearly states what we do for patients and allows us to start linking ourselves to, and defining ourselves within, the context of the patient and patient outcomes.

## Patient Characteristics

The Synergy Model encourages nurses to view patients in a holistic manner rather than the "body systems" medical model. Each patient and family is unique, with a varying capacity for health and vulnerability to illness. Each patient, regardless of the clinical setting, brings a set of unique characteristics to the care situation. Depending on where they are on the healthcare continuum, patients may display varying levels of the following characteristics:

|   |   |
|---|---|
| <b>Resiliency</b>                       | Capacity to return to a restorative level of functioning using compensatory/coping mechanisms; the ability to bounce back quickly after an insult |
| <b>Vulnerability</b>                    | Susceptibility to actual or potential stressors that may adversely affect patient outcomes  |
| <b>Stability</b>                        | Ability to maintain a steady-state equilibrium  |
| <b>Complexity</b>                       | Intricate entanglement of two or more systems (e.g., body, family, therapies)   |
| <b>Resource Availability</b>            | Extent of resources (e.g., technical, fiscal, personal, psychological and social) the patient/family/community bring to the situation             |
| <b>Participation in Care</b>            | Extent to which patient/family engages in aspects of care   |
| <b>Participation in Decision-Making</b> | Extent to which patient/family engages in decision-making   |
| <b>Predictability</b>                   | A characteristic that allows one to expect a certain course of events or course of illness  |

### FOR EXAMPLE:

A healthy, uninsured, 40-year-old woman undergoing a pre-employment physical could be described as an individual who is (a) stable (b) not complex (c) very predictable (d) resilient (e) not vulnerable (f) able to participate in decision-making and care, but (g) has inadequate resource availability.

On the other hand: a critically ill, insured infant with multisystem organ failure can be described as an individual who is (a) unstable (b) highly complex (c) unpredictable (d) highly resilient (e) vulnerable (f) unable to become involved in decision-making and care, but (g) has adequate resource availability.

*continued*

## AACN Synergy Model for Patient Care (continued)

### Nurse Characteristics

Nursing care reflects an integration of knowledge, skills and experience necessary to meet the needs of patients and families. Thus, nurse characteristics are derived from patient needs and include:

|                                   |  |
|-----------------------------------|--|
| <b>Clinical Judgment</b>          | Clinical reasoning, which includes clinical decision-making, critical thinking and a global grasp of the situation, coupled with nursing skills acquired through a process of integrating education, experiential knowledge and evidence-based guidelines.   |
| <b>Advocacy/<br/>Moral Agency</b> | Working on another's behalf and representing the concerns of the patient/family and nursing staff; serving as a moral agent in identifying and helping to resolve ethical and clinical concerns within and outside the clinical setting.   |
| <b>Caring Practices</b>           | Nursing activities that create a compassionate, supportive and therapeutic environment for patients and staff, with the aim of promoting comfort and healing and preventing unnecessary suffering. These caring behaviors include but are not limited to vigilance, engagement and responsiveness of caregivers. Caregivers include family and healthcare personnel. |
| <b>Collaboration</b>              | Working with others (e.g., patients, families, healthcare providers) in a way that promotes/encourages each person's contributions toward achieving optimal/realistic patient/family goals. Collaboration involves intra- and inter-disciplinary work with colleagues and community.   |
| <b>Systems Thinking</b>           | Body of knowledge and tools that allow the nurse to manage whatever environmental and system resources that exist for the patient/family and staff, within or across healthcare systems and non-healthcare systems.  |
| <b>Response to Diversity</b>      | The sensitivity to recognize, appreciate and incorporate differences into the provision of care. Differences may include, but are not limited to, individuality, cultural, spiritual, gender, race, ethnicity, lifestyle, socioeconomic, age and values.   |
| <b>Facilitation of Learning</b>   | The ability to facilitate learning for patients/families, nursing staff, other members of the healthcare team and community. Includes both formal and informal facilitation of learning.   |
| <b>Clinical Inquiry</b>           | The ongoing process of questioning and evaluating practice and providing informed practice. Creating changes through evidence-based practice, research utilization and experiential knowledge.   |

Nurses become competent within each continuum at a level that best meets the fluctuating needs of their population of patients. More compromised patients have more severe or complex needs, requiring nurses to have advanced knowledge and skills in an associated continuum.

#### FOR EXAMPLE:

If the patient was stable but unpredictable, minimally resilient and vulnerable, primary competencies of the nurse would be centered on clinical judgment and caring practices (which includes vigilance). If the patient was vulnerable, unable to participate in decision-making and care, and had inadequate resource availability, the primary competencies of the nurse would focus on advocacy and moral agency, collaboration and systems thinking.

Although all eight competencies are essential for contemporary nursing practice, each assumes more or less importance depending on a patient's characteristics. **Synergy results when a patient's needs and characteristics are matched with the nurse's competencies.**

Based on the most recent AACN Certification Corporation study of nursing practice, the test plans for our certification exams reflect the Synergy Model as well as findings related to nursing care of the patient population studied, e.g., adult, pediatric and neonatal.

For more information about the AACN Synergy Model for Patient Care visit [www.aacn.org](http://www.aacn.org).

# Adult CCRN Test Plan

Applies to exams taken on and after March 25, 2020.

## I. CLINICAL JUDGMENT (80%)

### A. Cardiovascular (17%)

1. Acute coronary syndrome:
  - a. NSTEMI
  - b. STEMI
  - c. Unstable angina
2. Acute peripheral vascular insufficiency:
  - a. Arterial/venous occlusion
  - b. Carotid artery stenosis
  - c. Endarterectomy
  - d. Fem-Pop bypass
3. Acute pulmonary edema
4. Aortic aneurysm
5. Aortic dissection
6. Aortic rupture
7. Cardiac surgery:
  - a. CABG
  - b. Valve replacement or repair
8. Cardiac tamponade
9. Cardiac trauma
10. Cardiac/vascular catheterization
11. Cardiogenic shock
12. Cardiomyopathies:
  - a. Dilated
  - b. Hypertrophic
  - c. Idiopathic
  - d. Restrictive
13. Dysrhythmias
14. Heart failure
15. Hypertensive crisis
16. Myocardial conduction system abnormalities (e.g., prolonged QT interval, Wolff-Parkinson-White)
17. Papillary muscle rupture
18. Structural heart defects (acquired and congenital, including valvular disease)
19. TAVR

### B. Respiratory (15%)

1. Acute pulmonary embolus
2. ARDS
3. Acute respiratory failure
4. Acute respiratory infection (e.g., pneumonia)
5. Aspiration

6. Chronic conditions (e.g., COPD, asthma, bronchitis, emphysema)
7. Failure to wean from mechanical ventilation
8. Pleural space abnormalities (e.g., pneumothorax, hemothorax, empyema, pleural effusions)
9. Pulmonary fibrosis
10. Pulmonary hypertension
11. Status asthmaticus
12. Thoracic surgery
13. Thoracic trauma (e.g., fractured rib, lung contusion, tracheal perforation)
14. Transfusion-related acute lung injury (TRALI)

### C. Endocrine/Hematology/Gastrointestinal/Renal/Integumentary (20%)

1. Endocrine
  - a. Adrenal insufficiency
  - b. Diabetes insipidus (DI)
  - c. Diabetes mellitus, types 1 and 2
  - d. Diabetic ketoacidosis (DKA)
  - e. Hyperglycemia
  - f. Hyperosmolar hyperglycemic state (HHS)
  - g. Hyperthyroidism
  - h. Hypoglycemia (acute)
  - i. Hypothyroidism
  - j. SIADH
2. Hematology and Immunology
  - a. Anemia
  - b. Coagulopathies (e.g., ITP, DIC, HIT)
  - c. Immune deficiencies
  - d. Leukopenia
  - e. Oncologic complications (e.g., tumor lysis syndrome, pericardial effusion)
  - f. Thrombocytopenia
  - g. Transfusion reactions
3. Gastrointestinal
  - a. Abdominal compartment syndrome
  - b. Acute abdominal trauma
  - c. Acute GI hemorrhage
  - d. Bowel infarction, obstruction, perforation (e.g., mesenteric ischemia, adhesions)
  - e. GI surgeries (e.g., Whipple, esophagectomy, resections)

*continued*

## Adult CCRN Test Plan (continued)

### Endocrine/Hematology/Gastrointestinal/ Renal/Integumentary (cont.)

- f. Hepatic failure/coma (e.g., portal hypertension, cirrhosis, esophageal varices, fulminant hepatitis, biliary atresia, drug-induced)
  - g. Malnutrition and malabsorption
  - h. Pancreatitis
4. Renal and Genitourinary
- a. Acute genitourinary trauma
  - b. Acute kidney injury (AKI)
  - c. Chronic kidney disease (CKD)
  - d. Infections (e.g., kidney, urosepsis)
  - e. Life-threatening electrolyte imbalances
5. Integumentary
- a. Cellulitis
  - b. IV infiltration
  - c. Necrotizing fasciitis
  - d. Pressure injury
  - e. Wounds:
    - i. infectious
    - ii. surgical
    - iii. trauma

### D. Musculoskeletal/Neurological/ Psychosocial (14%)

1. Musculoskeletal
- a. Compartment syndrome
  - b. Fractures (e.g., femur, pelvic)
  - c. Functional issues (e.g., immobility, falls, gait disorders)
  - d. Osteomyelitis
  - e. Rhabdomyolysis
2. Neurological
- a. Acute spinal cord injury
  - b. Brain death
  - c. Delirium (e.g., hyperactive, hypoactive, mixed)
  - d. Dementia
  - e. Encephalopathy
  - f. Hemorrhage:
    - i. intracranial (ICH)
    - ii. intraventricular (IVH)
    - iii. subarachnoid (traumatic or aneurysmal)
  - g. Increased intracranial pressure (e.g., hydrocephalus)

- h. Neurologic infectious disease (e.g., viral, bacterial, fungal)
  - i. Neuromuscular disorders (e.g., muscular dystrophy, CP, Guillain-Barré, myasthenia)
  - j. Neurosurgery (e.g., craniotomy, Burr holes)
  - k. Seizure disorders
  - l. Space-occupying lesions (e.g., brain tumors)
  - m. Stroke:
    - i. hemorrhagic
    - ii. ischemic (embolic)
    - iii. TIA
  - n. Traumatic brain injury (TBI): epidural, subdural, concussion
3. Behavioral and Psychosocial
- a. Abuse/neglect
  - b. Aggression
  - c. Agitation
  - d. Anxiety
  - e. Suicidal ideation and/or behaviors
  - f. Depression
  - g. Medical non-adherence
  - h. PTSD
    - i. Risk-taking behavior
    - j. Substance use disorders (e.g., withdrawal, chronic alcohol or drug dependence)

### E. Multisystem (14%)

- 1. Acid-base imbalance
- 2. Bariatric complications
- 3. Comorbidity in patients with transplant history
- 4. End-of-life care
- 5. Healthcare-associated conditions (e.g., VAE, CAUTI, CLABSI)
- 6. Hypotension
- 7. Infectious diseases:
  - a. Influenza (e.g., pandemic or epidemic)
  - b. Multi-drug resistant organisms (e.g., MRSA, VRE, CRE)
- 8. Life-threatening maternal/fetal complications (e.g., eclampsia, HELLP syndrome, postpartum hemorrhage, amniotic embolism)
- 9. Multiple organ dysfunction syndrome (MODS)

*continued*



## Adult CCRN Test Plan (continued)

### Multisystem (cont.)

10. Multisystem trauma
11. Pain: acute, chronic
12. Post-intensive care syndrome (PICS)
13. Sepsis
14. Septic shock
15. Shock states:
  - a. Distributive (e.g., anaphylactic, neurogenic)
  - b. Hypovolemic
16. Sleep disruption (including sensory overload)
17. Thermoregulation
18. Toxic ingestion/inhalations (e.g., drug/alcohol overdose)
19. Toxin/drug exposure (including allergies)

### II. PROFESSIONAL CARING & ETHICAL PRACTICE (20%)

- A. Advocacy/Moral Agency
- B. Caring Practices
- C. Response to Diversity
- D. Facilitation of Learning
- E. Collaboration
- F. Systems Thinking
- G. Clinical Inquiry

*Order of content does not necessarily reflect importance.*

# Adult CCRN Test Plan

## Testable Nursing Actions

In addition to classifying items according to clinical practice or professional caring and ethical practice topics, items will be classified according to a nursing action as appropriate.

### CLINICAL JUDGMENT

#### General

- Recognize normal and abnormal:
    - developmental assessment findings and provide developmentally appropriate care
    - physical assessment findings
    - psychosocial assessment findings
  - Recognize signs and symptoms of emergencies, initiate interventions, and seek assistance as needed
  - Recognize indications for, and manage patients requiring:
    - capnography (EtCO<sub>2</sub>)
    - central venous access
    - medication reversal agents
    - palliative care
    - SvO<sub>2</sub> monitoring
  - Manage patients receiving:
    - complementary/alternative medicine and/or nonpharmacologic interventions
    - medications (e.g., safe administration, monitoring, polypharmacy)
  - Monitor patients and follow protocols for pre- and postoperative care
  - Assess pain
  - Evaluate patient's response to interventions
  - Identify and monitor normal and abnormal diagnostic test results
  - Manage fluid and electrolyte balance
  - Manage monitor alarms based on protocols and changes in patient condition
- central venous pressure monitoring
  - defibrillation
  - IABP
  - invasive hemodynamic monitoring
  - pacing: epicardial, transcutaneous, transvenous
  - pericardiocentesis
  - QT interval monitoring
  - ST segment monitoring
- Manage patients requiring:
  - endovascular stenting
  - PCI

#### Respiratory

- Interpret blood gas results
- Recognize indications for, and manage patients requiring:
  - modes of mechanical ventilation
  - noninvasive positive pressure ventilation (e.g., BiPAP, CPAP, high-flow nasal cannula)
  - oxygen therapy delivery devices
  - prevention of complications related to mechanical ventilation (ventilator bundle)
  - prone positioning
  - pulmonary therapeutic interventions related to mechanical ventilation: airway clearance, extubation, intubation, weaning
  - therapeutic gases (e.g., oxygen, nitric oxide, heliox, CO<sub>2</sub>)
  - thoracentesis
  - tracheostomy

#### Cardiovascular

- Apply leads for cardiac monitoring
- Identify, interpret and monitor cardiac rhythms
- Recognize indications for, and manage patients requiring:
  - 12-lead ECG
  - arterial catheter
  - cardiac catheterization
  - cardioversion

#### Hematology and Immunology

- Manage patients receiving transfusion of blood products
- Monitor patients and follow protocols:
  - pre-, intra-, post-intervention (e.g., plasmapheresis, exchange transfusion, leukocyte depletion)
  - related to blood conservation

*continued*

# Adult CCRN Test Plan

## Testable Nursing Actions (continued)

### Neurological

- Recognize indications for, and manage patients requiring neurologic monitoring devices and drains (e.g., ICP, ventricular or lumbar drain)
- Use a swallow evaluation tool to assess dysphagia
- Manage patients requiring:
  - neuroendovascular interventions (e.g., coiling, thrombectomy)
  - neurosurgical procedures (e.g., pre-, intra-, post-procedure)
  - spinal immobilization

### Integumentary

- Recognize indications for, and manage patients requiring, therapeutic interventions (e.g. wound VACs, pressure reduction surfaces, fecal management devices, IV infiltrate treatment)

### Gastrointestinal

- Monitor patients and follow protocols for procedures pre-, intra-, post-procedure (e.g., EGD, PEG placement)
- Intervene to address barriers to nutritional/fluid adequacy (e.g., chewing/swallowing difficulties, alterations in hunger and thirst, inability to self-feed)
- Recognize indications for, and manage patients requiring:
  - abdominal pressure monitoring
  - GI drains
  - enteral and parenteral nutrition

### Renal and Genitourinary

- Identify nephrotoxic agents
- Monitor patients and follow protocols pre-, intra-, and post-procedure (e.g., renal biopsy, ultrasound)
- Recognize indications for, and manage patients requiring, renal therapeutic intervention (e.g., hemodialysis, CRRT, peritoneal dialysis)

### Musculoskeletal

- Manage patients requiring progressive mobility
- Recognize indications for, and manage patients requiring, compartment syndrome monitoring

### Multisystem

- Manage continuous temperature monitoring
- Provide end-of-life and palliative care
- Recognize risk factors and manage malignant hyperthermia
- Recognize indications for, and manage patients undergoing:
  - continuous sedation
  - intermittent sedation
  - neuromuscular blockade agents
  - procedural sedation - minimal
  - procedural sedation - moderate
  - targeted temperature management (previously known as therapeutic hypothermia)

### Behavioral and Psychosocial

- Respond to behavioral emergencies (e.g., nonviolent crisis intervention, de-escalation techniques)
- Use behavioral assessment tools (e.g., delirium, alcohol withdrawal, cognitive impairment)
- Recognize indications for, and manage patients requiring:
  - behavioral therapeutic interventions
  - medication management for agitation
  - physical restraints

# Adult CCRN Sample Questions

The purpose of the sample questions is to familiarize candidates with the style and format of the certification exam items.

- The nursing staff is resisting being assigned to a disruptive patient. An appropriate resolution would be to**
  - ask the provider to transfer the patient.
  - rotate the patient assignment among staff.
  - confront the family and demand an end to the behavior.
  - hold a nursing team conference to discuss care needs.
- A patient with unstable angina has an IABP inserted. Hemodynamics are:**  
**HR 148 (sinus tachycardia)**  
**MAP 40 mm Hg**  
**PAOP 25 mm Hg**  
**CI 1.4 L/min/m<sup>2</sup>**  
**Which of the following should be included in this patient's plan of care?**
  - checking timing of the IABP, decreasing balloon to 1:2 frequency
  - obtaining an echocardiogram and administering furosemide (Lasix)
  - infusing dobutamine (Dobutrex) and obtaining a 12-lead ECG
  - administering adenosine (Adenocard) rapidly and checking results of Hgb and Hct
- The family of a critically ill patient wishes to spend the night, which is contrary to visiting policy. The nurse's BEST action would be to**
  - adhere to the visiting policy.
  - allow the family to stay in the room.
  - obtain a motel room near the hospital where the family can spend the night.
  - allow one or two family members to stay and evaluate the patient's response.
- A patient with a recent myocardial infarction suddenly develops a loud systolic murmur. The MOST LIKELY cause is which of the following?**
  - pulmonary embolism
  - congestive heart failure
  - ruptured papillary muscle
  - increased systemic vascular resistance
- Members of the nursing staff are developing written patient education materials for a group of patients with diverse reading abilities. It would be MOST EFFECTIVE for the staff to**
  - design individual handouts for each patient.
  - develop a computer-based education series.
  - write the materials at a fourth-grade reading level.
  - limit text and provide color pictures.
- A patient who is 72 hours postoperative repair of a ruptured abdominal aortic aneurysm (AAA) suddenly becomes dyspneic with an increased respiratory rate from 24 to 40. An ABG sample obtained while the patient is receiving oxygen at 6 L/min via nasal cannula reveals the following results:**  
**pH 7.50**  
**pCO<sub>2</sub> 31 mm Hg**  
**pO<sub>2</sub> 48 mm Hg**  
**A chest x-ray is obtained and a "ground-glass-like appearance" is reported. Lung auscultation bilaterally reveals basilar crackles that were not previously present. The nurse should suspect that the patient has developed**
  - a pulmonary embolus.
  - bacterial pneumonia.
  - chronic obstructive pulmonary disease.
  - acute respiratory distress syndrome.

*continued*

## Adult CCRN Sample Questions (continued)

7. **A patient on mechanical ventilation is post-operative day 5 for spinal injury sustained playing college football. He was unusually disengaged the previous day. Today he is agitated, combative during care and forgot his family was at the bedside an hour ago. Other physiological factors ruled out. The nurse should recognize the patient is MOST LIKELY experiencing**
- A. acute dementia.
  - B. acute delirium.
  - C. alcohol withdrawal.
  - D. steroid withdrawal.
8. **A patient who is one day post-gastroplasty has a sudden onset of restlessness, dyspnea and chest pain. His heart rate is 122, and auscultation of heart sound reveals an increased intensity of a pulmonary S2. The MOST LIKELY cause is**
- A. aspiration pneumonia.
  - B. a spontaneous pneumothorax.
  - C. a pleural effusion.
  - D. a pulmonary embolus.

### Answers

- 1. D
- 2. A
- 3. D
- 4. C
- 5. C
- 6. D
- 7. B
- 8. D

# Pediatric CCRN Test Plan

*Applies to exams taken on and after March 25, 2020.*

## I. CLINICAL JUDGMENT (80%)

### A. Cardiovascular (14%)

1. Cardiac infection and inflammatory diseases
2. Cardiac malformations
3. Cardiac surgery
4. Cardiogenic shock
5. Cardiomyopathies
6. Cardiovascular catheterization
7. Dysrhythmias
8. Heart failure
9. Hypertensive crisis
10. Myocardial conduction system defects
11. Obstructive shock
12. Vascular occlusion

### B. Respiratory (18%)

1. Acute pulmonary edema
2. Acute pulmonary embolus
3. Acute respiratory distress syndrome (ARDS)
4. Acute respiratory failure
5. Acute respiratory infection
6. Air-leak syndromes
7. Apnea of prematurity
8. Aspiration
9. Chronic pulmonary conditions
10. Congenital airway malformations
11. Failure to wean from mechanical ventilation
12. Pulmonary hypertension
13. Status asthmaticus
14. Thoracic and airway trauma
15. Thoracic surgery

### C. Endocrine/Hematology/Gastrointestinal/Renal/Integumentary (20%)

1. Endocrine
  - a. Adrenal insufficiency
  - b. Diabetes insipidus (DI)
  - c. Diabetic ketoacidosis (DKA)
  - d. Diabetes mellitus, types 1 and 2
  - e. Hyperglycemia
  - f. Hypoglycemia
  - g. Inborn errors of metabolism
  - h. Syndrome of inappropriate secretion of antidiuretic hormone (SIADH)

### 2. Hematology and Immunology

- a. Anemia
- b. Coagulopathies (e.g., ITP, DIC)
- c. Immune deficiencies
- d. Myelosuppression (e.g., thrombocytopenia, neutropenia)
- e. Oncologic complications
- f. Sickle cell crisis
- g. Transfusion reactions

### 3. Gastrointestinal

- a. Abdominal compartment syndrome
- b. Abdominal trauma
- c. Bowel infarction, obstruction and perforation
- d. Gastroesophageal reflux
- e. GI hemorrhage
- f. GI surgery
- g. Liver disease and failure
- h. Malnutrition and malabsorption
- i. Necrotizing enterocolitis (NEC)
- j. Peritonitis

### 4. Renal and Genitourinary

- a. AKI
- b. Chronic kidney disease (CKD)
- c. Hemolytic uremic syndrome (HUS)
- d. Kidney transplant
- e. Life-threatening electrolyte imbalances
- f. Renal and genitourinary infections
- g. Renal and genitourinary surgery

### 5. Integumentary

- a. IV infiltration
- b. Pressure injury
- c. Skin failure (e.g., hypoperfusion)
- d. Wounds

### D. Musculoskeletal/Neurological/Psychosocial (15%)

#### 1. Musculoskeletal

- a. Compartment syndrome
- b. Musculoskeletal surgery
- c. Musculoskeletal trauma
- d. Rhabdomyolysis

*continued*

## Pediatric CCRN Test Plan (continued)

### Musculoskeletal/Neurological/ Psychosocial (cont.)

2. Neurological
  - a. Acute spinal cord injury
  - b. Agitation
  - c. Brain death
  - d. Congenital neurological abnormalities
  - e. Delirium
  - f. Encephalopathy
  - g. Head trauma
  - h. Hydrocephalus
  - i. Intracranial hemorrhage
  - j. Neurogenic shock
  - k. Neurologic infectious disease
  - l. Neuromuscular disorders
- m. Neurosurgery
- n. Pain: acute, chronic
- o. Seizure disorders
- p. Space-occupying lesions
- q. Spinal fusion
- r. Stroke
- s. Traumatic brain injury (TBI)
3. Behavioral and Psychosocial
  - a. Abuse and neglect
  - b. Post-traumatic stress disorder (PTSD)
  - c. Post-intensive care syndrome (PICS)
  - d. Self-harm
  - e. Suicidal ideation and behavior

### E. Multisystem (13%)

1. Acid-base imbalance
2. Anaphylactic shock
3. Death and dying
4. Healthcare-associated conditions (e.g., VAE, CAUTI, CLABSI)
5. Hypovolemic shock
6. Post-transplant complications
7. Sepsis
8. Submersion injuries (i.e. near drowning)
9. Hyperthermia and hypothermia
10. Toxin and drug exposure

## II. PROFESSIONAL CARING & ETHICAL PRACTICE (20%)

### A. Advocacy/Moral Agency

### B. Caring Practices

### C. Response to Diversity

### D. Facilitation of Learning

### E. Collaboration

### F. Systems Thinking

### G. Clinical Inquiry

*Order of content does not necessarily reflect importance.*

# Pediatric CCRN Test Plan

## Testable Nursing Actions

In addition to classifying items according to clinical practice or professional caring and ethical practice topics, items will be classified according to a nursing action as appropriate.

### CLINICAL JUDGMENT

#### General

- Manage patients receiving:
  - continuous sedation
  - extracorporeal membrane oxygenation (ECMO)
  - nonpharmacologic interventions
  - pharmacologic interventions
  - intra-procedural and post-procedural care
  - post-operative care
  - vascular access
- Conduct physical assessment of critically ill or injured patients
- Conduct psychosocial assessment of critically ill or injured patients
- Evaluate diagnostic test results and laboratory values
- Manage patients during intrahospital transport
- Manage patients undergoing procedural sedation
- Manage patients with temperature monitoring and regulation devices
- Provide family-centered care

#### Cardiovascular

- Manage patients requiring:
  - arterial catheterization (e.g., arterial line)
  - cardiac catheterization
  - cardioversion
  - CVP monitoring
  - defibrillation
  - epicardial pacing
  - near-infrared spectroscopy (NIRS)
  - umbilical catheterization (e.g., UVC, UAC)
- Manage patients with:
  - cardiac dysrhythmias
  - hemodynamic instability

#### Respiratory

- Manage patients requiring:
  - artificial airways (e.g., endotracheal tubes, tracheotomy)
  - assistance with airway clearance

- chest tubes
- high-frequency oscillatory ventilation (HFOV)
- mechanical ventilation
- noninvasive positive-pressure ventilation (e.g., CPAP, nasal IMV, high-flow nasal cannula)
- prone positioning
- respiratory monitoring devices (e.g., SpO<sub>2</sub>, SVO<sub>2</sub>, EtCO<sub>2</sub>)
- therapeutic gases (e.g., oxygen, nitric oxide, heliox, CO<sub>2</sub>)
- thoracentesis

#### Hematology and Immunology

- Manage patients receiving:
  - plasmapheresis, exchange transfusion or leukocyte depletion
  - transfusion

#### Neurological

- Conduct pain assessment of critically ill or injured patients
- Manage patients with seizure activity
- Provide end-of-life and palliative care
- Manage patients requiring:
  - neurologic monitoring devices and drains (e.g., ICP, ventricular drains, grids)
  - spinal immobilization

#### Integumentary

- Manage patients requiring wound prevention and/or treatment (e.g., wound VACs, pressure reduction surfaces, fecal management devices, IV infiltrate treatment)

#### Gastrointestinal

- Manage patients with inadequate nutrition and fluid intake (e.g., chewing and swallowing difficulties, alterations in hunger and thirst, inability to self-feed)
- Manage patients receiving:
  - enteral and parenteral nutrition
  - GI drains
  - intra-abdominal pressure monitoring

*continued*



# Pediatric CCRN Test Plan

## Testable Nursing Actions (continued)

### Renal and Genitourinary

- Manage patients requiring:
  - electrolyte replacement
  - renal replacement therapies (e.g., hemodialysis, CRRT, peritoneal dialysis)

### Multisystem

- Manage patients requiring progressive mobility

### Behavioral and Psychosocial

- Conduct behavioral assessment of critically ill or injured patients (e.g., delirium, withdrawal)
- Manage patients requiring behavioral and mental health interventions
- Respond to behavioral emergencies (e.g., nonviolent crisis intervention, de-escalation techniques)

# Pediatric CCRN Sample Questions

The purpose of the sample questions is to familiarize candidates with the style and format of the certification exam items.

- 1. While caring for a patient with salicylate overdose, the nurse should anticipate administration of which of the following as a PRIMARY TREATMENT MEASURE?**
  - A. protamine sulfate
  - B. glucose
  - C. packed red blood cells
  - D. fluid and electrolytes
- 2. An adolescent with the developmental age of a 4-year-old requires placement of a chest tube. The BEST way to prepare the patient for this procedure is to**
  - A. use short simple sentences and limit descriptions to concrete explanations.
  - B. show the patient a chest tube and explain how it will feel.
  - C. explain in detail why a chest tube is needed and how it works.
  - D. tell the parents what will be done so they can explain it to their child.
- 3. A child is admitted with a gunshot wound to the head, accidentally inflicted by an older sibling. The parents are overcome with grief and appear to be ignoring the following statements made by the older sibling, "It was an accident. I didn't mean to do it. I'm sorry!" Which of the following actions by the nurse would be MOST APPROPRIATE?**
  - A. Discuss the importance of gun safety with the older sibling while the parents are at the bedside.
  - B. Seek additional support for the parents for ways they can assist the older sibling.
  - C. Tell the parents that they need to provide support for the older sibling.
  - D. Tell the older sibling, "Accidents happen. I know you didn't mean to do it."
- 4. Which of the following laboratory findings is indicative of the syndrome of inappropriate ADH secretion (SIADH)?**
  - A. increased serum sodium
  - B. decreased serum osmolality
  - C. decreased blood urea nitrogen (BUN)
  - D. increased serum potassium
- 5. A 3-year-old is receiving aggressive management for an episode of rapidly worsening asthma. Vital signs:**

|                  | <u>Admission</u> | <u>Current</u> |
|------------------|------------------|----------------|
| HR               | 120              | 140            |
| RR               | 30               | 45             |
| SpO <sub>2</sub> | 95%              | 90%            |

The nurse notes diminishing breath sounds with inspiratory and expiratory wheezing, intercostal retraction and increased somnolence. Which of the following should the nurse anticipate next?

  - A. administration of NaHCO<sub>3</sub>
  - B. fluid resuscitation
  - C. racemic epinephrine
  - D. endotracheal intubation
- 6. A 2-year-old is admitted for digoxin (Lanoxin) toxicity. BP is 94/60, capillary refill time is 2 seconds and the ECG reveals 1st degree AV block with a heart rate of 60. The nurse should**
  - A. prepare for cardioversion.
  - B. administer Atropine .
  - C. perform vasovagal maneuvers.
  - D. continue to monitor.

*continued*

## Pediatric CCRN Sample Questions (continued)

- 7. An adolescent with asthma is readmitted just a week after discharge from the hospital. On questioning, the nurse learns that the patient refuses to use the inhalers at school. The nurse should**
- A. inform the teen about long-term consequences if the treatment plan is not followed.
  - B. consult the school nurse to find out why they are not monitoring the medications at school.
  - C. suggest the parents set up a disciplinary contract with the teen.
  - D. arrange for the teen to attend an asthma support group.
- 8. The parent of an unconscious 5-month-old reports the baby fell off the table during a diaper change by an older sibling. What findings would indicate further inquiry of the history?**
- A. a cephalic bruise
  - B. poorly reactive pupils
  - C. retinal hemorrhage
  - D. a linear skull fracture

### Answers

- 1. D
- 2. A
- 3. B
- 4. B
- 5. D
- 6. D
- 7. D
- 8. C

# Neonatal CCRN Test Plan

*Applies to exams taken on and after March 25, 2020.*

## I. CLINICAL JUDGMENT (80%)

### A. Cardiovascular (5%)

1. Acute pulmonary edema
2. Cardiac surgery (e.g., congenital defects, patent ductus arteriosus)
3. Dysrhythmias
4. Heart failure
5. Hypovolemic shock
6. Structural heart defects (acquired and congenital, including valvular disease)

### B. Respiratory (21%)

1. Acute respiratory distress syndrome (ARDS)
2. Acute respiratory failure
3. Acute respiratory infection (e.g., pneumonia)
4. Air-leak syndromes
5. Apnea of prematurity
6. Aspiration
7. Chronic conditions (e.g., chronic lung disease/bronchopulmonary dysplasia)
8. Congenital anomalies (e.g., diaphragmatic hernia, tracheoesophageal fistula, choanal atresia, tracheomalacia, tracheal stenosis)
9. Failure to wean from mechanical ventilation
10. Meconium aspiration syndrome
11. Persistent pulmonary hypertension of the newborn (PPHN)
12. Pulmonary hemorrhage
13. Pulmonary hypertension
14. Respiratory distress (RDS)
15. Thoracic surgery
16. Transient tachypnea of the newborn

### C. Endocrine/Hematology/Gastrointestinal/Renal/Integumentary (27%)

1. Endocrine
  - a. Adrenal insufficiency
  - b. Hyperbilirubinemia
  - c. Hyperglycemia
  - d. Hypoglycemia
  - e. Inborn errors of metabolism

2. Hematology and Immunology
  - a. Anemia
  - b. Coagulopathies (e.g., ITP, DIC)
  - c. Immune deficiencies
  - d. Leukopenia
  - e. Polycythemia
  - f. Rh incompatibilities, ABO incompatibilities, hydrops fetalis
  - g. Thrombocytopenia
3. Gastrointestinal
  - a. Bowel infarction/obstruction/perforation (e.g., mesenteric ischemia, adhesions)
  - b. Feeding intolerance
  - c. Gastroesophageal reflux
  - d. GI abnormalities (e.g., omphalocele, gastroschisis, volvulus, imperforate anus, Hirschsprung disease, malrotation, intussusception, hernias)
  - e. GI surgeries
  - f. Hepatic failure (e.g., biliary atresia, portal hypertension, esophageal varices)
  - g. Malnutrition and malabsorption
  - h. Necrotizing enterocolitis (NEC)
  - i. Pyloric stenosis
4. Renal and Genitourinary
  - a. Acute kidney injury (AKI)
  - b. Chronic kidney disease
  - c. Congenital genitourinary conditions (e.g., hypospadias, polycystic kidney disease, hydronephrosis, bladder exstrophy)
  - d. Genitourinary surgery
  - e. Infections
  - f. Life-threatening electrolyte imbalances
5. Integumentary
  - a. Congenital abnormalities (e.g., epidermolysis bullosa, skin tags)
  - b. IV infiltration
  - c. Pressure injury/ulcer (e.g., device, incontinence, immobility)
  - d. Wounds:
    - i. non-surgical
    - ii. surgical

*continued*

## Neonatal CCRN Test Plan (continued)

### D. Musculoskeletal/Neurological/ Psychosocial (13%)

1. Musculoskeletal
  - a. Congenital or acquired musculoskeletal conditions
  - b. Osteopenia
2. Neurological
  - a. Agitation
  - b. Congenital neurological abnormalities (e.g., AV malformation, myelomeningocele, encephalocele)
  - c. Encephalopathy
  - d. Head trauma (e.g., forceps and/or vacuum injury)
  - e. Hemorrhage:
    - i. intracranial (ICH)
    - ii. intraventricular (IVH)
  - f. Hydrocephalus
  - g. Ischemic insult (e.g., stroke, periventricular leukomalacia)
  - h. Neurologic infectious disease (e.g., viral, bacterial, fungal)
  - i. Neuromuscular disorders (e.g., spinal muscular atrophy)
  - j. Neurosurgery
  - k. Pain (acute, chronic)
  - l. Seizure disorders
  - m. Sensory impairment (e.g., retinopathy of prematurity, hearing impairment, visual impairment)
  - n. Stress (e.g., noise, overstimulation, sleep disturbances)
  - o. Traumatic brain injury (e.g., epidural, subdural, concussion, physical abuse)
3. Behavioral and Psychosocial
  - a. Abuse and neglect
  - b. Families in crisis (e.g., stress, grief, lack of coping)

### E. Multisystem (14%)

1. Birth injuries (e.g., hypoxic-ischemic encephalopathy, brachial plexus injury, lacerations)
2. Developmental delays
3. Failure to thrive
4. Healthcare-associated conditions (e.g., VAE, CAUTI, CLABSI)
5. Hypotension
6. Infectious diseases (e.g., influenza, respiratory syncytial virus, multidrug-resistant organisms)
7. Life-threatening maternal/fetal complications (e.g., eclampsia, HELLP syndrome, maternal-fetal transfusion, placental abruption, placenta previa)
8. Low birth weight/prematurity
9. Sepsis
10. Terminal conditions (e.g., end-of-life, palliative care)
11. Thermoregulation
12. Toxin/drug exposure (e.g., neonatal abstinence syndrome, fetal alcohol syndrome, maternal or iatrogenic).

## II. PROFESSIONAL CARING & ETHICAL PRACTICE (20%)

- A. Advocacy/Moral Agency
- B. Caring Practices
- C. Response to Diversity
- D. Facilitation of Learning
- E. Collaboration
- F. Systems Thinking
- G. Clinical Inquiry

*Order of content does not necessarily reflect importance.*

# Neonatal CCRN Test Plan

## Testable Nursing Actions

In addition to classifying items according to clinical practice or professional caring and ethical practice topics, items will be classified according to a nursing action as appropriate.

### CLINICAL JUDGMENT

#### General

- Assess pain considering patient's gestational age
- Follow protocol for newborn car seat testing, hearing and congenital heart disease screening
- Follow protocol for feeding and supplementation
- Identify and monitor normal and abnormal diagnostic test results
- Implement interventions to keep neonates safe (e.g., transponder use, safe sleep)
- Manage monitor alarms based on protocol and change in patient condition
- Manage patients receiving complementary alternative medicine and/or nonpharmacologic interventions
- Manage patients receiving medications (e.g., safe administration, monitoring, polypharmacy)
- Monitor patients and follow protocols for pre- and postoperative care
- Recognize indications for, and manage patients requiring, central venous access
- Recognize normal and abnormal:
  - developmental assessment findings and provide developmentally appropriate care
  - family psychosocial assessment findings
  - physical assessment findings
- Recognize signs and symptoms of emergencies, initiate interventions, and seek assistance as needed

#### Cardiovascular

- Apply leads for cardiac monitoring
- Identify, interpret and monitor cardiac rhythms
- Monitor hemodynamic status and recognize signs and symptoms of hemodynamic instability
- Recognize early signs of decreased cardiac output
- Recognize normal fetal circulation and transition to extra-uterine life

- Recognize indications for, and manage patients requiring:
  - 12-lead ECG
  - arterial catheter
  - cardioversion
  - invasive hemodynamic monitoring

#### Respiratory

- Interpret blood gas results
- Manage medications and monitor patients requiring rapid sequence intubation (RSI)
- Recognize indications for, and manage patients with, tracheostomy
- Recognize indications for, and manage patients requiring:
  - assisted ventilation
  - bronchoscopy
  - chest tubes
  - endotracheal tubes
  - non-invasive positive pressure ventilation (e.g., bilevel positive airway pressure, CPAP, high-flow nasal cannula)
  - oxygen therapy delivery device
  - prone positioning (lateral rotation therapy)
  - rescue airways (e.g., laryngeal mask airway [LMA])
  - respiratory monitoring devices (e.g., SpO<sub>2</sub>, EtCO<sub>2</sub>) and report values
  - therapeutic gases (e.g., oxygen, nitric oxide, heliox, CO<sub>2</sub>)
  - thoracentesis

#### Hematology and Immunology

- Manage patients receiving transfusion of blood products
- Monitor and manage patients with bleeding disorders
- Monitor patients and follow protocols:
  - pre-, intra-, post-intervention (e.g., exchange transfusion)
  - related to blood conservation

*continued*

# Neonatal CCRN Test Plan

## Testable Nursing Actions (continued)

### Neurological

- Manage patients with congenital neurological abnormalities
- Monitor patients and follow protocols for procedures (e.g., pre-, intra-, post-procedure)
- Monitor patients and follow protocols for therapeutic hypothermia
- Recognize indications for, and manage patients undergoing:
  - continuous and intermittent sedation
  - procedural sedation
- Recognize indications for, and monitor/manage patients requiring, neurologic monitoring devices and drains (e.g., ICP, ventricular drain)

### Integumentary

- Recognize indications for, and manage patients undergoing, preventative or therapeutic interventions (e.g., neonatal skin care, humidity)
- Recognize indications for, and manage patients with, therapeutic devices (e.g., wound VACs, pressure reduction surfaces, ostomy device)

### Gastrointestinal

- Monitor patients and follow protocols pre-, intra-, and post-procedure (e.g., gastric tube placement)
- Recognize and manage patients with feeding difficulties or disorders
- Recognize indications for, and complications of, enteral and parenteral nutrition
- Recognize indications for, and manage patients requiring:
  - enteral tubes
  - peritoneal drains
- Recognize signs and symptoms of, and manage patients with, necrotizing enterocolitis (NEC)

### Renal and Genitourinary

- Manage patients receiving electrolyte replacement
- Monitor patients and follow protocols pre-, intra-, and post-procedure (e.g., renal biopsy, ultrasound)
- Recognize indications for, and manage patients requiring, renal therapeutic intervention

### Multisystem

- Facilitate treatment for early and late onset sepsis
- Maintain targeted temperature
- Monitor and implement strategies to prevent hospital-acquired infections
- Provide age-appropriate developmental care (e.g., skin to skin, nesting)
- Provide end-of-life and palliative care
- Recognize and manage birth injuries
- Recognize and manage signs and symptoms of toxin/drug exposure (e.g., neonatal abstinence syndrome, fetal alcohol syndrome, maternal or iatrogenic)

### Behavioral and Psychosocial

- Involve family in infant care
- Recognize indications of stress and provide support to family
- Respond to family behavioral emergencies (e.g., nonviolent crisis intervention, de-escalation techniques)

## Neonatal CCRN Sample Questions

The purpose of the sample questions is to familiarize candidates with the style and format of the certification exam items.

- 1. After application of a warm saline-soaked gauze dressing to an infant's abdominal wall defect, the most effective method for preventing evaporative heat loss is to**
  - A. place the infant in a warmed isolette.
  - B. place the infant under a radiant heat source.
  - C. moisten the gauze dressing every 30 minutes.
  - D. cover the gauze dressing with plastic.
- 2. An infant has just been intubated for respiratory failure due to respiratory distress syndrome (RDS). The infant's breath sounds are heard on the right side but not on the left. Which of the following interventions would be MOST APPROPRIATE?**
  - A. leave the tube in position and increase bag pressure
  - B. advance the tube until breath sounds are heard bilaterally
  - C. withdraw the tube until breath sounds are heard bilaterally
  - D. remove the tube and re-intubate the infant
- 3. A preterm infant with necrotizing enterocolitis and resultant bowel perforation has returned from the operating room with an ileostomy. Which of the following would best facilitate management of the ostomy?**
  - A. contacting the dietitian for recommendations regarding easily digested formula
  - B. contacting the enterostomal nurse to provide a pattern for the ostomy appliance
  - C. applying a dry sterile dressing over the ostomy
  - D. clintesting stool to determine degree of malabsorption
- 4. An infant at 38-weeks-gestation is born via cesarean section. At 4 hours of age, HR is 155 and RR is at 60. Physical assessment reveals grunting, mild retractions and nasal flaring. A chest x-ray reveals perihilar streaking bilaterally. The following ABG results are obtained:**

|                  |          |
|------------------|----------|
| pH               | 7.4      |
| pCO <sub>2</sub> | 35 mm Hg |
| pO <sub>2</sub>  | 40 mm Hg |
| HCO <sub>3</sub> | 22 mEq/L |

**Appropriate management of this patient would consist of**

  - A. intubation and mechanical ventilation.
  - B. surfactant replacement therapy.
  - C. chest tube insertion.
  - D. oxygen administration via hood.
- 5. A meeting is planned to discuss the parents' ethical concerns regarding life support interventions for their neonate with Trisomy 18. The nurse's role would be to**
  - A. assist the parents in articulating their questions and concerns.
  - B. provide legal information regarding end-of-life decisions.
  - C. describe reasons for the infant's poor prognosis.
  - D. inform the parents that the goal of the meeting is to obtain a DNR order.
- 6. An infant with documented hypoglycemia is being started on a continuous dextrose infusion following a bolus injection of glucose. An appropriate rate of dextrose infusion would be**
  - A. 1 - 3 mg/kg/min.
  - B. 4 - 8 mg/kg/min.
  - C. 9 - 12 mg/kg/min.
  - D. 13 - 16 mg/kg/min.

*continued*



## Neonatal CCRN Sample Questions (continued)

7. **An infant with isometric hydrops is delivered at 28-weeks-gestation by cesarean section. Which of the following interventions should be anticipated in the initial management of this infant?**
- A. administration of sodium polystyrene sulfonate (Kayexalate)
  - B. placement of an umbilical venous catheter and slow push of O-positive whole blood
  - C. thoracentesis and/or paracentesis
  - D. a difficult intubation
8. **The following results were obtained from a cerebrospinal fluid (CSF) sample obtained by lumbar puncture:**  
**40 WBC/mm**  
**65% polymorphonuclear cells**  
**Glucose 50 mg/dL**  
**Protein 165 mg/dL**  
**Bacteria shown by Gram-staining**  
**On the basis of these results, the MOST APPROPRIATE additional study would include**
- A. drawing blood for sedimentation rate.
  - B. obtaining surface cultures.
  - C. continuing monitoring without intervention.
  - D. obtaining blood and urine cultures.
9. **The mother of an infant with severe persistent pulmonary hypertension of the newborn (PPHN) would like to hold her infant. The infant's oxygen saturation is 88% to 92% at rest and mean BP is 28. The nurse's BEST response should be to**
- A. explain signs and symptoms that demonstrate instability of the infant.
  - B. assist the mother in holding the infant skin-to-skin.
  - C. encourage the mother to talk to the infant.
  - D. teach the mother how to provide gentle infant massage.
10. **Lab tests from the mother of a neonate reveal the presence of cocaine. The baby demonstrates irritability, hypertonicity and sleep disturbances. Nursing care for the neonate should include**
- A. swaddling and periods of undisturbed rest.
  - B. removal of parental rights and designation of a guardian.
  - C. encouragement of breast feeding and increased frequency of feedings.
  - D. mechanical ventilation and sedation.

### Answers

- 1. D
- 2. C
- 3. B
- 4. D
- 5. A
- 6. B
- 7. c
- 8. D
- 9. A
- 10. A

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**Many references are available through AACN; visit [www.aacn.org/Store](http://www.aacn.org/Store).**

**More current versions may be available.**

## Products for CCRN Exam Preparation

### Review Products Developed by AACN

AACN Certification Corporation does not approve, endorse, or require for eligibility use of any specific exam preparation products.

| CCRN - Adult  | Item #  |
|---|---|
| <b>Online Adult CCRN Certification Review Course:</b> Individual Purchase. 2020.  | <a href="#">ACCRNOD</a>   |
| <b>Online CCRN Adult Certification Practice Exam &amp; Questions</b> - Mobile-friendly. Subscription options: Trial (7-day access to 30 items), Basic (30-day access to 150 items), Premium (180-day access to 600+ items). Includes correct answer rationales and score report. Gauge your knowledge and identify strengths and areas for further study. 2020. | Purchase online at <a href="http://www.aacn.org/store">www.aacn.org/store</a> .<br><a href="#">CCRNA-T1</a><br><a href="#">CCRNA-T2</a><br><a href="#">CCRNA-T3</a> |

| CCRN - Pediatric  | Item #  |
|---|---|
| <b>Online Pediatric CCRN Certification Review Course:</b> Individual Purchase. 2020.  | <a href="#">PEDCCRNOD</a>   |
| <b>Online CCRN Pediatric Certification Practice Exam &amp; Questions</b> - Mobile-friendly. Subscription options: Trial (7-day access to 30 items), Basic (30-day access to 150 items), Premium (180-day access to 300+ items). Includes correct answer rationales and score report. Gauge your knowledge and identify strengths and areas for further study. 2020. | Purchase online at <a href="http://www.aacn.org/store">www.aacn.org/store</a> .<br><a href="#">CCRNP-T1</a><br><a href="#">CCRNP-T2</a><br><a href="#">CCRNP-T3</a> |

| CCRN - Neonatal  | Item #  |
|--|---|
| <b>Online Neonatal CCRN Certification Review Course:</b> Individual Purchase. 2020.  | <a href="#">NEOCCRNOD</a>   |
| <b>Online CCRN Neonatal Certification Practice Exam &amp; Questions</b> - Mobile-friendly. Subscription options: Trial (7-day access to 30 items), Basic (30-day access to 150 items), Premium (180-day access to 300+ items). Includes correct answer rationales and score report. Gauge your knowledge and identify strengths and areas for further study. 2020. | Purchase online at <a href="http://www.aacn.org/store">www.aacn.org/store</a> .<br><a href="#">CCRNN-T1</a><br><a href="#">CCRNN-T2</a><br><a href="#">CCRNN-T3</a> |

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*continued*

## Products for CCRN Exam Preparation (continued)

### Books & Manuals

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| <b>CCRN - Adult</b>   | <b>Item #</b>          |
|---|------------------------|
| AACN Core Curriculum for Progressive and Critical Care Nursing. 8th ed. 2022. Hartjes TM, ed. 950 pages.                | <a href="#">128700</a> |
| AACN Essentials of Critical Care Nursing. 5th ed. 2023. Burns SM, Delgado SA. 635 pages.                                | <a href="#">128750</a> |
| AACN Procedure Manual for Progressive and Critical Care. 8th ed. 2024. Johnson KL, ed. 1236 pages.                      | <a href="#">128150</a> |
| Ace the CCRN! You Can Do It Study Guide. 2nd ed. 2020. Kupchik N. 272 pages.  | <a href="#">128705</a> |
| Synergy for Clinical Excellence: The AACN Synergy Model for Patient Care. 2nd ed. 2017. Hardin SR, Kaplow R. 324 pages. | <a href="#">100149</a> |

| <b>CCRN - Pediatric</b>  | <b>Item #</b>          |
|--|------------------------|
| AACN Core Curriculum for Pediatric High Acuity, Progressive, and Critical Care Nursing. 3rd ed. 2018. Slota MC. 968 pages. | <a href="#">128870</a> |
| Synergy for Clinical Excellence: The AACN Synergy Model for Patient Care. 2nd ed. 2017. Hardin SR, Kaplow R. 324 pages.    | <a href="#">100149</a> |

| <b>CCRN - Neonatal</b>   | <b>Item #</b>          |
|--|------------------------|
| AACN Core Curriculum for Pediatric High Acuity, Progressive, and Critical Care Nursing. 3rd ed. 2018. Slota MC. 968 pages. | <a href="#">128870</a> |
| Synergy for Clinical Excellence: The AACN Synergy Model for Patient Care. 2nd ed. 2017. Hardin SR, Kaplow R. 324 pages.    | <a href="#">100149</a> |

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## CCRN Exam Application - Direct Care Pathway

### 1. REGISTRATION INFORMATION

PLEASE PRINT CLEARLY. PROCESSING WILL BE DELAYED IF INCOMPLETE OR NOT LEGIBLE.  
LEGAL NAME AS IT APPEARS ON YOUR GOVERNMENT-ISSUED ID CARD IS REQUIRED FOR EXAM.

|                          |        |                         |                        |        |           |
|--------------------------|--------|-------------------------|------------------------|--------|-----------|
| <b>AACN CUSTOMER:</b>    |        | <b>RN/APRN LICENSE:</b> |                        |        |           |
|                          | Number | Exp. Date               | Number                 | State  | Exp. Date |
| <b>LEGAL NAME:</b>       |        |                         |                        |        |           |
|                          | Last   | First                   | MI                     | Maiden |           |
| <b>HOME ADDRESS:</b>     |        |                         |                        |        |           |
|                          |        |                         | City                   | State  | Zip       |
| <b>EMAIL:</b>            |        |                         | <b>HOME PHONE:</b>     |        |           |
| <b>EMPLOYER NAME:</b>    |        |                         | <b>BUSINESS PHONE:</b> |        |           |
| <b>EMPLOYER ADDRESS:</b> |        |                         |                        |        |           |
|                          |        |                         | City                   | State  | Zip       |

### 2. AACN MEMBERSHIP

I would also like to join/renew/extend my AACN membership at this time and select member pricing for my exam fees:

(check one box only)

- 1-year AACN membership.....\$78
- 2-year AACN membership.....\$148
- 3-year AACN membership.....\$200

AACN membership includes nonrefundable \$12 and \$15 one-year subscriptions to *Critical Care Nurse*® and the *American Journal of Critical Care*®, respectively. AACN dues are not deductible as charitable contributions for tax purposes, but may be deducted as a business expense in keeping with Internal Revenue Service regulations.

**Member exam fee (\$255) + 1-year Membership (\$78) = Savings of \$37 over Nonmember fee**

|                       |
|-----------------------|
| <b>Membership Fee</b> |
| \$ _____              |
| +                     |
| <b>Exam Fee:</b>      |
| \$ _____              |
| =                     |
| <b>Total Payment:</b> |
| \$ _____              |

### 3. EXAM FOR WHICH YOU ARE APPLYING

- CCRN **Adult**     CCRN **Pediatric**     CCRN **Neonatal** (check **one** box only)

| CCRN                      | Initial Exam Fee               |                                | Retest Fee                     |                                |
|---------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                           | AACN Member                    | Nonmember                      | AACN Member                    | Nonmember                      |
| <i>Check one box only</i> | <input type="checkbox"/> \$255 | <input type="checkbox"/> \$370 | <input type="checkbox"/> \$180 | <input type="checkbox"/> \$285 |

- Check this box if you've attached a request and supporting documentation for special testing accommodations.

### 3. PAYMENT INFORMATION - application must be accompanied by payment

- Check or money order attached – payable to AACN Certification Corporation. U.S. funds only.

Bill my credit card:     Visa     MasterCard     American Express     Discover Card

Credit Card #          Exp. Date (mm/yy)  /

Name on Card \_\_\_\_\_ Signature \_\_\_\_\_

Amount Billed \$ \_\_\_\_\_ Address of Payor (if different than applicant) \_\_\_\_\_

- Please do not include my name on lists sold to other organizations.

Please complete pages 2 & 3 of application.



## CCRN Exam Application - Direct Care Pathway

**NAME:**

**AACN CUSTOMER #:**

Last

First

MI

### 5. DEMOGRAPHIC INFORMATION

Check **one** box in each category. Information used for statistical purposes and may be used in eligibility determination.

**Primary Area Employed**

- Acute Hemodialysis Unit (21)
- Burn Unit (13)
- Cardiac Rehabilitation (26)
- Cardiac Surgery/OR (36)
- Cardiovascular/Surgical ICU (09)
- Catheterization Lab (22)
- Combined Adult/Ped. ICU (23)
- Combined ICU/CCU (01)
- Coronary Care Unit (03)
- Corporate Industry (24)
- Crit. Care Transport/Flight (17)
- Direct Observation Unit (39)
- Emergency Dept. (12)
- General Med./Surg. Floor (18)
- Home Care (25)
- Intensive Care Unit (02)
- Interventional Cardiology (31)
- Long-Term Acute Care (27)
- Medical Cardiology (34)
- Medical ICU (04)
- Medical Surgical ICU (35)
- Neonatal ICU (06)
- Neuro./Neurosurgical ICU (10)
- Oncology Unit (19)
- Operating Room (15)
- Outpatient Clinic (29)
- Pediatric ICU (05)
- Private Practice (32)
- Progressive Care Unit (16)
- Recovery Room/PACU (14)
- Respiratory ICU (08)
- Stepdown Unit (30)

- Subacute Care (28)
- Surgical ICU (07)
- TeleICU (37)
- Telemetry (20)
- Trauma Unit (11)
- Other – specify below  
\_\_\_\_\_ (99)

**Primary Position Held**

- Academic Faculty (07)
- Acute Care Nurse Practitioner (09)
- Bedside/Staff Nurse (01)
- Case Manager (39)
- Charge Nurse (45)
- Clinic Nurse (40)
- Clinical Coordinator (44)
- Clinical Director (04)
- Clinical Nurse Specialist (08)
- Corporate/Industry (11)
- Hospital Administrator (38)
- Internist (37)
- Legal Nurse Consultant (47)
- Manager (03)
- Nurse Anesthetist (02)
- Nurse Educator (46)
- Nurse Midwife (13)
- Nurse Practitioner (05)
- Outcomes Manager (42)
- Physician (16)
- Physician Assistant (17)
- Researcher (18)
- Respiratory Therapist (19)

- Technician (21)
- Unit Coordinator (22)
- Other - specify below  
\_\_\_\_\_ (99)

**Highest Nursing Degree**

- Associate's Degree
- Bachelor's Degree
- Diploma
- Doctorate
- Master's Degree  
\_\_\_\_\_ (99)

**Ethnicity**

- African American (02)
- Asian (05)
- Hispanic (03)
- Native American (04)
- Pacific Islander (06)
- White/Non-Hispanic (01)
- Other – specify below  
\_\_\_\_\_ (99)

**Primary Type of Facility in Which Employed**

- College/University (08)
- Community Hospital (Nonprofit) (01)
- Community Hospital (Profit) (02)
- Corporate/Industry (11)
- County Hospital (07)
- Federal Hospital (05)
- HMO/Managed Care (12)

- Home Health (13)
- Long-Term Acute Care Hosp. (16)
- Military/Government Hospital (04)
- Non-Academic Teaching Hosp. (14)
- Registry (10)
- Self-Employed (09)
- State Hospital (06)
- Travel Nurse (15)
- University Med. Ctr. (03)
- Other – specify below  
\_\_\_\_\_ (99)

**Number of Beds in Institution:**

\_\_\_\_\_

**Years of Experience in Nursing:**

\_\_\_\_\_

**Years of Experience in Acute/Critical Care Nursing:**

\_\_\_\_\_

**Date of Birth: (mm/dd/yy):**

\_\_\_\_\_

**Gender:**

- Male    Female    Non-binary

### 6. HONOR STATEMENT

Complete the Honor Statement on [page 37](#).

### 7. SUBMIT APPLICATION

Attach Honor Statement to this application and submit with payment to:

AACN Certification Corporation  
27071 Aliso Creek Road  
Aliso Viejo, CA 92656-3399  
**or** fax to: 949-362-2020

**DO NOT mail AND fax your application - please choose only ONE method.**

NOTE: Allow **2 to 4 weeks** from the date received by AACN Certification Corporation for application processing.

Questions? Please visit [www.aacn.org/certification](http://www.aacn.org/certification), email [certification@aacn.org](mailto:certification@aacn.org) or call us at 800-899-2226.

*Please complete page 3 of application (honor statement).*

## CCRN Exam Honor Statement - Direct Care Pathway

PROCESSING WILL BE DELAYED IF INCOMPLETE OR NOT LEGIBLE.

**NAME:** \_\_\_\_\_ **AACN CUSTOMER #:** \_\_\_\_\_  
Last First MI

I hereby apply for the CCRN certification exam. Submission of this application indicates I have read and understand the exam policies and eligibility requirements as documented in the *CCRN Exam Handbook - Direct Care Eligibility Pathway* and the [Certification Exam Policy Handbook](#).

**LICENSURE:** I possess a current, unencumbered U.S. RN or APRN license. My \_\_\_\_\_ (state) nursing license \_\_\_\_\_ (number) is due to expire \_\_\_\_\_ (date). An unencumbered license is not currently being subjected to formal discipline by the board of nursing in the state(s) in which I am practicing and has no provisions or conditions that limit my nursing practice in any way. I understand that I must notify AACN Certification Corporation **within 30 days** if any provisions or conditions are placed against my RN or APRN license(s) in the future.

**PRACTICE:** I have fulfilled *one* of the following clinical practice requirement options:

- Practice as an RN or APRN for 1,750 hours in direct care of acutely/critically ill patients during the past 2 years, with 875 of those hours accrued in the most recent year preceding application.

**OR**

- Practice as an RN or APRN during the previous 5 years with a minimum of 2,000 hours in direct care of acutely/critically ill patients, with 144 of those hours accrued in the most recent year preceding application.

These clinical hours were in direct care of the following acutely/critically ill patient population:

**Adult**  **Pediatric**  **Neonatal** (*check **one** box only*)

A majority of the total practice hours and those within the year prior to application for exam eligibility were focused on *critically* ill patients.

Hours were completed in a U.S.-based or Canada-based facility or in a facility determined to be comparable to the U.S. standard of acute/critical care nursing practice as evidenced by Magnet® designation or [Joint Commission International](#) accreditation.

**PRACTICE VERIFICATION:** Following is the contact information for my clinical supervisor or a professional colleague (RN or physician) who can verify that I have met the clinical hour eligibility requirements:

**Verifier's Name:** \_\_\_\_\_ **Facility Name:** \_\_\_\_\_  
Last First

**Verifier's Phone Number:** \_\_\_\_\_ **Verifier's Email Address:** \_\_\_\_\_

**You may not list yourself or a relative as your verifier.**

**AUDIT:** I understand that my certification eligibility is subject to audit, and failure to respond to or pass an audit will result in revocation of certification. If selected for audit, I understand that switching to renewal by exam, selecting Inactive or another status, or completing CERPs/CE Points is not an option.

**ETHICS:** I understand the importance of ethical standards and agree to act in a manner congruent with the ANA Code of Ethics for Nurses.

**NONDISCLOSURE OF EXAM CONTENT:** Submission of this application indicates my agreement to keep the contents of the exam confidential and not disclose or discuss specific exam content with anyone except AACN Certification Corporation. Per AACN Certification Corporation policy, sharing of exam content is cause for revocation of certification.

**RETAKE POLICY:**

I understand that I may apply for and take the same certification exam **up to four times in a rolling 12-month period**, and that after 12 months signing a new honor statement is required.

To the best of my knowledge, the information contained in this application is accurate and submitted in good faith. My signature below indicates I have read this honor statement and meet the eligibility requirements as outlined.

**Applicant's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

