



# Certification Handbook

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# APPLYING FOR CERTIFICATION

### **Welcome and Congratulations**

ACRP would like to congratulate you on your decision to pursue certification in your chosen field of work. As a professional in clinical research, you deserve to be recognized and appreciated for what you do, and like most professionals, you want to become better at it. You look for opportunities for ongoing professional development and practical ways to evaluate your own work that will help you develop as a professional.

#### **ACRP Certification Overview**

In order to achieve certification, all applicants must meet the eligibility requirements and pass an exam. Exams are administered twice annually, Spring and Fall, at over 600 testing centers in more than 80 countries.

The applicant should determine his/her own eligibility before submitting an application to the program. Upon submission of a complete application, an eligibility review is conducted by ACRP. The candidate is then notified of the eligibility review outcome via e-mail. All eligible candidates must then schedule an appointment to take the exam.

Candidates who meet the eligibility requirements and pass the exam will be certified as having met ACRP's standards for becoming a CCRA. Maintenance of one's certification is required every two (2) years.

# **Application Deadline**

All application materials, including application, CV or resume, job description(s) and payment must be received by February 8, 2019 for the February/March examination. Applications received by November 30, 2018 qualify for the Early-Bird rate.

# **Confidentiality**

Application for, and achievement of, certification is between ACRP and an individual candidate. Therefore, ALL application, eligibility, and exam details are confidential to the individual and cannot be disclosed, regardless of payer. Only the <u>candidate</u> is permitted to withdraw an application or cancel an exam appointment, regardless of payer.

# **Application Process and Requirements**

### **Professional Level Experience Requirements**

To be eligible for the examination, an applicant must have the required minimum number of hours in the professional practice of clinical research. Internship (paid or unpaid) or volunteer experiences will not count toward the hours requirement.

**NOTE:** ACRP reserves the right to request backup documentation to substantiate the reported information at any time during the application process and/or once the candidate has been certified.

# **CCRA Eligibility Requirements**

In order to be deemed eligible to take the CRA Certification exam, applicants must be able to document (through a detailed CV or resume and job description) that they:

- Work independently of the investigative staff conducting the research at the site or institution. This means they do not report to the PI or site manager and that they do not have the ability to change or manipulate data, AND;
- Work on behalf of the sponsor. This means that they are contracted by the "sponsor" to perform an independent monitoring function. The "sponsor" can be a pharmaceutical or device company, a government or granting agency, a university department, a physician, etc., <u>AND</u>;
- Perform EACH of the CRA Essential Duties as detailed below for a required minimum number of hours. Hours performing the CRA Essential Duties can include hours documented up to the date of the exam and/or through previous employment. The required number of hours is dependent upon one's educational background. See below:

# **CCRA Eligibility Requirements**

At least one of the options below should be met **before applying** for the CCRA program.

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	Education	Minimum Hours Performing Essential Duties	Required Documentation of Performed Essential Duties
Option 1	<ul><li>Bachelor's Degree (or higher)</li></ul>	3,000 hours*	Detailed CV/résumé <b>and</b> Job Description
Option 2	<ul><li>Associate's Degree OR</li><li>LPN, LVN, RN</li></ul>	4,500 hours*	Detailed CV/Résumé <i>and</i> Job Description
Option 3	<ul><li>High School Diploma OR</li><li>Medical Assistant or Lab Technician</li></ul>	6,000 hours*	Detailed CV/Résumé <b>and</b> Job Description

<sup>\*</sup>see section for options of substitutions for work experience

#### **CRA Essential Duties**

As defined by ACRP, and determined through its 2015 Job Analysis Survey, clinical research associates who are eligible for CRA certification must document cumulative performance of **each** of the following Essential Duties during the dates of employment listed on the application:

- Verify that the research site investigator(s) and study personnel are conducting the study according to the clinical protocol, "Good Clinical Practices", and regulatory requirements to ensure protection and ethical treatment of human subjects;
- Ensure identification and reporting of safety issues, when applicable, from research site staff to the sponsor and the IRB/IEC;
- Perform monitoring activities per the monitoring plan (e.g. verification of source documents and eCRF/CRFs, site communications, follow up on data anomalies, etc.)
- Review accuracy and completeness of site records (i.e., essential documents, query resolution, and other data collection tools);
- Ensure accountability of Investigational Product and related supplies are performed, when appropriate;
- Ensure complete reporting and proper documentation of monitoring activities;
- Conduct routine monitoring visits (on site or remotely) independently from the investigative site study staff;
- Ensure the site is identifying issues and implementing corrective and preventive actions to ensure inspection readiness.

### **Substitution for Work Experience Requirements**

Applicants may only choose one option below as a valid substitute. Under no circumstance will an applicant be permitted to use more than one substitution for the same application.

#### **Clinical Research Certifications (Option 1)**

ACRP acknowledges that there is a shared knowledge base between CCRC, CPI, and ACRP-CP certificant holders and those who seek the CCRA designation. Any candidate for the CCRA designation who has a current CCRC, CPI, and ACRP-CP designation will have achieved a valid substitute for 1,500 hours of the required professional experience performing the essential duties of a CRA.

#### **Clinical Research Education Programs (Option 2)**

ACRP considers applicants who have completed a clinical research degree that meets the following standards to have achieved a valid substitute for 1,500 hours of professional experience for the CCRA program.

#### Acceptable programs must:

- Be a Completed Clinical Research Degree and;
- Be accredited by an accrediting agency recognized by the Council on Higher Education Accreditation (CHEA) <u>www.chea.org</u>.

If an applicant opts to use an educational program as a substitute, he or she may send an email to <a href="mailto:certification@acrptnet.org">certification@acrptnet.org</a> for additional requirement details.

# **Application and Exam Fees**

The cost to apply includes an exam and application fee, paid together at the submission of the application. Credit card, check, or bank transfers are acceptable forms of payment. The fees are as follows:

	Member	Non-Member
EARLY BIRD DATES	\$135 application fee	\$135 application fee
October 15 – November 30, 2018	\$300 exam fee	\$350 exam fee
	Total - \$435	Total - \$485
	Member	Non-Member
REGULAR DATES	Member \$135 application fee	Non-Member \$200 application fee
REGULAR DATES December 1 – February 8, 2019		

<sup>\*</sup>The application fee is non-refundable regardless of eligibility status or cancellation.

Submission of the application confirms your understanding and agreement.

# **Application for Certification**

Once an applicant has carefully self-determined he/she meets the eligibility requirements, the application process can begin. Applications are submitted online.

If the applicant wishes to switch program type, they will be charged an additional application fee.

The following must be uploaded or submitted together by the due date to be considered for review of eligibility:

- 1. Application Form **AND**
- 2. Supporting documents—curriculum vitae (CV)/ résumé AND
- 3. Detailed job description(s)\* for positions listed on the CV/ résumé AND
- 4. Full payment

All documentation must be provided in English. If the original documentation was translated into English, it must also be submitted in the original language, with the certified translated document.

# **Services for People with Disabilities**

ACRP is committed to ensuring that no individual with a disability is deprived of the opportunity to take an exam solely by reason of that disability. ACRP will provide reasonable accommodations for candidates with disabilities pursuant to the Americans with Disabilities Act (ADA). The following reasonable accommodations may be addressed:

Wheelchair access is available at all established test centers.

<sup>\*</sup> If the applicant wishes to switch program type, they will be charged an additional application fee.

<sup>\*</sup>If you cannot obtain a job description from your (former) employer, you may create and supply your own. If necessary, you may contact <a href="https://www.acrpnet.org/contact">www.acrpnet.org/contact</a> for a sample CV or job description.

 Candidates with visual, sensory, cognitive, or physical disabilities that would prevent them from taking an exam under standard conditions may request reasonable accommodations and arrangements.

To request a reasonable accommodation, one is required to check the designated box on the exam application and also submit:

Special Accommodations Form, signed by a licensed health professional approving the request as accurate and reasonable. This MUST be submitted at the time of application.

### **Submitting the Application**

The application process is now available online. The applicant will have the ability to start and save it prior to submitting for formal review. Please note that all required documents must be included with application before payment can be processed online with a credit card.

If paying by check, complete and save application online. As the website cannot process check payments online, please mail the check with your information clearly listed so that payment can be applied to your application for submittal.

Submission of the application constitutes agreement that the candidate has read, understood, and agrees to abide by the <u>ACRP Code of Ethics and Professional Conduct</u>. Applicants are required to sign a Candidate Statement of Authorization and Agreement attesting to the accuracy of the information provided as part of the application process. By submitting an application, the applicant consents to and authorizes ACRP to verify the candidate's academic and employment records.

# **Receipt of Application**

An e-mail confirmation of payment is automatically sent once payment is processed. At that point, applications will enter the Eligibility Review process.

# THE ELIGIBILITY REVIEW PROCESS

# **Eligibility Review**

The eligibility review process includes determining completeness of the application and whether or not the applicant meets the eligibility criteria for the exam and performs all essential duties. Applicants should expect to receive an update on application status (via email) within seven to ten days after the application has been received.

Applicants will have seven (7) calendar days to respond to any request for additional information from an eligibility reviewer. These requests will only come via e-mail.

#### **Incomplete Applications**

Applicants who do not respond to the requests for additional or clarifying information will automatically have their applications determined ineligible and therefore will not be able to take the exam.

# **Eligibility Reviewers**

Our Eligibility Reviewers are clinical research professionals hired by ACRP for the purpose of reviewing applications and determining eligibility. An applicant may receive a request for additional and/or clarifying information from a reviewer in support of his or her application. This is not unusual or uncommon. Reviewers only communicate via email and are not available to speak with an applicant via phone concerning his or her application. Therefore, it is imperative that an applicant contact ACRP in the event communication about the review outcome has not been received through email.

# **Confirmation of Eligibility**

Upon conclusion of review, an applicant will be found to be: eligible or ineligible.

**Eligible** applicants will be e-mailed an Eligibility Notice, with instructions as to how to schedule an exam appointment. Exam appointments can only be scheduled *after* eligibility is determined.

**Ineligible** applicants *automatically* receive up to two levels of review. Applicants are notified via e-mail at each step of the review with an explanation of the deficiency identified. Each level of review can take up to seven days. If after two reviews and the applicant is found Ineligible, a review will be conducted by the Certification Manager and the applicant will be notified via email with the final result.

Ineligible applicants (who do not initiate the appeals process\* within 15 days of notice) will be refunded the exam fee and will need to re-apply and pay all fees if they decide to pursue certification in the future.

\*If the applicant is still determined to be ineligible after three levels of review, the applicant can choose to appeal to the Academy Board of Trustees. However, after the third review, applicants can no longer submit new documents to overturn an eligibility decision.

View the ACRP's Policy on Appeals.

# CRA EXAMINATION INFORMATION

#### **Exam Structure**

The CRA Exam is designed as a practice-based exam to assess proficiency of the six (6) core knowledge areas:

- 1. Scientific Concepts and Research Design
- 2. Ethical and Participant Safety Considerations
- 3. Product Development and Regulation
- 4. Clinical Trial Operations (GCPs)
- 5. Study and Site Management
- 6. Data Management and Informatics

# **Exam Delivery**

The ACRP exam consists of 125 multiple-choice questions (25 of these questions are pre-test items, do not affect a candidate's score and are not identified to candidates). Each candidate is allowed a maximum of three (3) hours to complete the 125 questions. Candidates are presented with a question and are asked to choose the single **best** answer from the four options provided. Only one answer is correct. There are no "trick" questions on the exam and there is no penalty for guessing.

### Language

The exam is provided in English. Exam candidates may bring a hard-copy, **translation only** (word-to-word) dictionary to the exam. Electronic dictionaries are not permitted. Dictionaries containing any word definitions or other extraneous markings are strictly prohibited. The dictionary will be inspected by the proctor before and after the exam is completed. No additional time is given to those using a translation dictionary.

#### **Exam Administration**

ACRP partners with Prometric, a trusted provider of technology-enabled testing, to administer its exams. Once a candidate has been found eligible, coordination of scheduling (including confirming, rescheduling or canceling) his or her exam will occur directly through or with Prometric via online or phone.

#### **Examination Window**

The candidate must test during the window for which he or she is approved. ACRP offers its exams each year during two testing windows, spring and fall. The Spring 2019 testing window begins February 22, 2019 and concludes March 20, 2019. *Candidates will not be permitted to schedule an appointment outside of this testing window under any circumstances*.

# **Exam Appointment Scheduling**

The exams are administered via a secure network of computer-based testing sites. Over 600 locations in more than 80 countries are available at which to take the exam. All candidates who have been found eligible <u>must</u> schedule an appointment to take the exam. **Candidates who do not schedule an exam risk forfeiting all fees.** 

Appointments can be scheduled online (recommended) or by phone. To view testing locations, visit <a href="https://www.prometric.com/acrp">www.prometric.com/acrp</a> at any time.

#### **Confirmation Number**

When a candidate schedules his or her appointment, a confirmation number will be provided. Make sure to keep a record of your confirmation number and appointment information. You will need your confirmation number if you want to confirm, reschedule, or cancel your appointment with Prometric.

# **Confirming Your Appointment**

It is the responsibility of a candidate to verify that they have been scheduled for the date, time, and place he or she has requested. One may confirm his or her appointment in two ways:

- Confirm an appointment online at <u>www.prometric.com/ACRP</u>
- Call (800) 967-1139 or the applicable <u>international number</u> and select the option for confirming your appointment

An appointment can be confirmed online even if scheduled via phone.

# **Rescheduling Your Appointment**

Rescheduling an exam appointment is permitted by Prometric up to five (5) days BEFORE your scheduled appointment. Fees associated with appointment changes are paid directly to Prometric. Rescheduling availability may vary, depending on the test center location and number of days prior to the exam appointment date.

Candidates *must* contact Prometric directly to reschedule an exam appointment. ACRP cannot reschedule your appointment. You may reschedule by phone or online and the appointment confirmation number will be needed.

# Cancellations, No Shows, Re-Examination, Refunds and Transfers

#### **Cancellations**

Candidates who wish to cancel their application may submit an <u>Application Cancellation Request Form</u> to obtain a refund of the exam fee **only**. The application fee covers costs associated with reviewing the application and <u>is non-refundable</u>.

#### **Emergency Cancellations**

Candidates unable to keep their exam appointment due to an emergency situation within five (5) days of the exam date, must submit an <a href="mailto:Emergency Cancellation Form">Emergency Cancellation Form</a> and official documentation to <a href="https://www.acrpnet.org/contact">www.acrpnet.org/contact</a>. This information may be received up to seven (7) calendar days after the candidate's scheduled exam date.

The following situations will be considered with documentation: Emergency room visit or hospitalization, severe medical condition requiring hospitalization, death of an immediate family member (e.g., spouse, child/dependent, parent, grandparent, sibling), call to active military duty, or jury duty.

#### **No Shows and Missed Exams**

If a candidate schedules an exam appointment and fails to take the exam, he or she forfeits all fees. If a candidate arrives late for a scheduled exam appointment, he or she may not be allowed to test and, subsequently, will not be eligible for a refund. Missed exams due to lateness are not eligible for a refund.

#### Re-Examination

ACRP offers its examinations each year during two testing windows, Spring and Fall.

Candidates who do not achieve a passing score on the certification examination will only be allowed to re-take the exam during the next available examination period by submitting a re-examination fee.

If the candidate is not successful on this "re-take" examination, he or she will need to complete a new application and pay all fees in place at the time for any subsequent exams.

If a candidate chooses to transfer his or her first examination opportunity and, subsequently, does not pass, he or she will need to complete a new application, meet all eligibility criteria in effect at that time, and pay all fees in place at the time for any subsequent exams. Candidates who do not achieve a passing score on their second attempt or who are unable to test again during the next examination period must submit a new application, together with all current fees, to continue their pursuit of certification. Such reapplications will be subject to all eligibility criteria in effect at that time. This policy protects the security of the integrity of the examination by preventing item over-exposure. It is ACRP's policy to maintain two unique tests forms and update test items yearly to reduce any possible over exposure by candidates by following the six-month waiting period. The time period between testing windows also provides a sufficient amount of time for candidates to increase the amount of study or change their method of test preparation. Candidates will not be permitted to schedule an appointment outside of the testing windows under any circumstances.

#### Refunds

Refundable fee: examination fee only.

The application fee covers the cost associated with reviewing the application and therefore <u>is non-refundable</u>.

No one other than the candidate may request a cancellation or refund.

Refunds are issued to candidates under two circumstances only: ineligibility or cancellation.

#### Ineligibility

Ineligible applicants will receive a refund of the exam fee, within three weeks of the final ineligibility notification.

#### Cancellation

To receive a refund, the cancellation request must be received at least five (5) calendar days **BEFORE** an exam appointment. Requests within five days of an exam appointment will not be honored.

Refunds are *not* available to candidates who do not schedule or attend the exam.

Refunds will be sent to the party who initially paid for the exam. If payment was made by credit card, that card will receive the credit. If that card is no longer valid, a check will be mailed. If the payment was made by check, ACRP will mail a refund check to the original payer.

#### **Transfers**

ACRP offers a **one-time** transfer from the current exam offering to the next for a \$50 fee. There are two situations in which candidates may take advantage of this:

1. If a candidate is determined **ineligible** for the current exam window, but will have met the eligibility requirements by the next exam window; or

2. If an **eligible** candidate withdraws from taking the original exam for any reason (up to five [5] days before a scheduled exam appointment)

Transfers are applied toward the next exam **only**. Transfer of eligibility and associated fees will be applied only to the original candidate and are not transferable to another person, even if paid for by a third party. Exam fees are transferred toward the next exam **only** and not toward other products or services.

If you choose to transfer to the next exam window for one of the two reasons above, you must submit a request to transfer before the end of the exam window for which you had originally applied. To submit a transfer request, you must access your online application and select *Request Exam Window Transfer*.

If you have an exam appointment scheduled, you must first cancel it directly with Prometric before submitting your online request to transfer to the next exam window. Fees, payable to Prometric directly, apply for appointment cancellations made within thirty (30) to five (5) days prior to an appointment date and do not include transfer fees paid to ACRP. Cancellations are not permitted less than five (5) days prior to an appointment.

If a transfer candidate does not submit the request before the end of the current exam testing window, then all funds originally submitted will be forfeited. Transferring is not an option for re-examination candidates (from the previous exam cycle).

When a transfer request has been approved, all fees (application and exam fees) are applied automatically at the start of the next application period. All **eligible** transfer candidates will receive an email notice of Eligibility when the Eligibility ID has been reactivated and an exam appointment can be scheduled. Contact <a href="www.acrpnet.org/contact">www.acrpnet.org/contact</a> if you did not receive your new Eligibility notice. Candidates who are required to submit documentation for subsequent eligibility review must do so at the start of the next application period.

View full Policy on Transfers, Cancellation, No Shows, Refunds and Re-Examination

# **Preparing for the Exam**

The CRA exam is specific to the role that you play in the conduct of a clinical trial. It requires a general working knowledge of the roles and responsibilities to perform in your role safely and effectively, with grounding in ICH GCP and the application of those guidelines.

The exam content expects that you will have a basic working knowledge of general laboratory terms, tests, and procedures, as well as how to perform basic math. It does not cover country-specific (FDA, EMA, etc.) regulations and does not test how your employer or you personally carry out those duties.

The best preparation is to understand the CRA knowledge requirements and their application to clinical research. You might want to review the *Detailed Content Outline* for topics or subtopics with which you are less familiar. If you find a particular area with which you are not familiar or comfortable, that would be an area on which to focus your study or review. Or, you may want to do a surface review of all the content areas, even those you believe you know well.

Because of the nature of the exam, there is not one comprehensive source to go to in order to study. However, ACRP does recommend that you review the content areas covered on the exam by using the Detailed Content Outline.

#### What's Covered on the Exam?

To be certified, CRAs, are expected to have *general knowledge* of: laboratory terminology, tests, and procedures; and basic math, including adding, subtracting, multiplying, dividing, and calculating percentages.

#### **Detailed Content Outline**

The DCO is derived from the 2015 ACRP Job Analysis Survey, a careful description of the tasks performed by clinical research associates. Each question on the exam is based on this outline. Therefore, to prepare to take the exam, one should study this outline and especially consider the underlying knowledge, skills, and abilities needed to perform in his/ her role as a CRA.

#### **Study Texts**

ACRP Certification exams are based on four ICH Guidelines and the Declaration of Helsinki:

- Guideline for Good Clinical Practice E6(R2);
- Definitions and Standards for Expedited Reporting E2A;
- General Considerations for Clinical Trials E8;
- Statistical Principles for Clinical Trials E9;
- Clinical Investigation of Medicinal Products in the Pediatric Population E11

ICH Guidelines
Declaration of Helsinki

# **Preparation Support**

#### **Certification Abbreviation List**

The Abbreviations List contains abbreviations that may be used throughout the exam and exam Detailed Content Outline. The abbreviations list is accessible on each screen during the exam and can be found on our <u>website</u>.

#### **Exam Practice Exercise**

The Exam Practice Exercise is not intended to be a pre-test to determine a candidate's future success on the actual exam. Candidates should understand that this not considered a "practice test/exam". It is considered a practice exercise.

It functions to assist candidates in becoming more comfortable with the type of items on the exam. The *exercise* includes 50 retired items and also provides the correct answer, the ICH Guideline reference that supports the correct answer, and a narrative explanation for the answer.

#### **Additional Optional Support**

ACRP provides optional exam preparation support which is available for purchase online, from the <a href="Exam Preparation">Exam Preparation</a> webpage. There are options to purchase components separately or in a package. Visit the webpage for details and pricing for each option.

# **Further Study Tips**

In addition to reviewing the DCO and ICH Guidelines, one way to review is to select texts and training materials you used when first taking on your role. You can select a publication that you may already have or borrow from a colleague. You should select books or publications that cover topics found on the Detailed Content Outline, the ICH Guidelines, or the tenets of GCP.

If you have time, take a workshop or attend a conference session on topics in which you need to become more familiar. **Any** professional development courses that cover clinical research topics will add to your knowledge base and therefore will help you prepare for the exam.

<u>IMPORTANT</u>: ACRP **DOES NOT** sponsor or endorse any specific educational courses; even if the course is advertised as a "prep" or "review" course for the exam. Those creating the course **do not have ANY** inside information about the exam. Participation in these courses may help you learn or review topics covered on the exam, **but you should not expect them to directly cover exam content**. The same information that is included in this handbook to help you prepare is publicly available to those creating educational content.

# **Taking the Exam**

It is important for candidates to understand their rights and responsibilities in the secure testing environment of the Prometric test center. It is recommended that you review the full <a href="Policy on Testing">Policy on Testing</a> <a href="Experience Issues">Experience Issues</a>.

# **Exam Appointment Arrival**

It is the candidate's responsibility to arrive on time for the exam appointment. If the candidate is late by 15 minutes or more, the test center has the authority to turn the candidate away and not permit the candidate to take the test. Plan to arrive 30 minutes before your appointment. If you miss your scheduled exam appointment for any non-emergency reason (lack of child care, lateness due to work or traffic, etc.) your opportunity to test will be lost.

# **Required Identification**

To access a secure testing center you must present proper identification (ID) containing your legal name. Examples of proper ID include a passport, driver's license, state or government-issued ID.

Your legal name MUST match the **first name** and **last name** listed on your Eligibility Notice (emailed from ACRP) and on the Appointment Confirmation (from Prometric). Middle names are excluded. Your ID must meet **each** of the following criteria:

<u> </u>
government-issued AND
current (non-expired) AND
photo-bearing <b>AND</b>
signature-bearing identification (ID)

The photo must look like the examinee. Signature on ID must match the signature provided during the sign-in process. Major discrepancies will result in a candidate being denied from the testing center and result in forfeiture of all fees paid.

If the name listed with ACRP and Prometric is not your legal name, you must submit a <u>Name Change</u> Request online at <u>www.acrpnet.org/contact</u> immediately.

### **Exam Security and Test Center Guidelines**

Prometric is serious about test center security. You will be presented with <a href="Prometric Test Center">Prometric Test Center</a>
<a href="Regulations">Regulations</a> upon arrival at the test site. Those who violate security will not have their exams scored or processed, and will be required to leave immediately. Attempting to remove exam material or content from the test center will result in severe consequences.

Once seated, you will follow a brief on-screen tutorial for navigating through the exam. Your exam will begin after the tutorial. Each exam will be delivered via individual video-monitored testing carrels. Immediately raise your hand at any time if your computer or any provided resources are not functioning properly!

What Not to Bring: Any and all personal items will be locked in a locker. Examples include a purse, keys, wallet, calculators, watch, cell phone, all electronic devices, tissues, outerwear (heavy coats), food, and all books and papers.

**Attire:** Prometric <u>will not</u> allow you to remove any article of clothing (headbands, jewelry, scarves, shoes, light sweaters, etc.) that you wear into the room. Whatever you choose to wear, please plan to wear the entire length of the exam.

#### **Resources Available at the Test Center**

The following resources will be available, issued only by the test center:

- An abbreviations list is also available on screen
- Hand-held calculator (an on-screen calculator is also available)
- Noise cancelling head set
- White board and dry-erase markers

#### **Exam Scores**

The passing scaled score for the exam is 600. A candidate scoring below 600 has not been successful on the exam and cannot be certified.

One point is granted for each correct answer. There is no penalty assessed for an incorrect answer. The number of questions answered correctly (or total points) is a candidate's "raw score." Prometric then converts a candidate's raw score to a scaled score. The "Total Scaled Score" will determine whether a candidate has passed the exam. The exam is not scored on a curve and there is no predetermined number of candidates permitted to pass. Your score does not depend on the other candidates testing with you that day.

**Note:** The passing point set for the exam cannot be appealed.

Specific questions on the exam and/or answers to exam questions will not be discussed or released. Due to the security of the item bank and because exam questions can be used on various exams, exam

questions will not be discussed with candidates and candidates may not have access to the exam or their answers.

**Note:** For more information on scaled scoring, please contact <u>www.acrpnet.org/contact</u>.

#### **Exam Results and Notification**

The Score Report will be displayed at the end of the exam and emailed to the address that is provided to Prometric during the scheduling of the exam. It is a required field when scheduling both online and by phone. The email will also contain a link at the bottom that the candidate can click to Prometric's secured portal. The score report portal allows the candidate to log in with their appointment confirmation number, and their last name, to print out duplicates of their score report if needed, at any time. You will receive official confirmation of your certification status via email and postal mail, approximately 30 days following the close of the testing window. Go to Prometric's link to get a copy of your exam score: <a href="https://scorereports.prometric.com/">https://scorereports.prometric.com/</a>

Candidates, are not yet considered certified until *official* notification of certification status is received from ACRP.

Candidates who pass the exam will be sent an official letter, a certificate, and Maintenance of Certification information within 30 days after the close of the testing window. They will also be added to the Academy Certification registry unless this option was de-selected at the time of application. The registry will be updated within 30 days following the close of the testing window and can be accessed at <a href="https://www.avectraacrp.com/Certlist">www.avectraacrp.com/Certlist</a>.

Candidates who do not pass the exam are advised to review the content area proficiency ratings and use this information to assist in preparing for future exams. Final exam results will **not** be given out over the telephone or by fax, nor will results be sent to employers, schools, other individuals, or organizations under any circumstances.

**Appendix – CCRA Detailed Content Outline (DCO)** 

# Certified Clinical Research Associate (CCRA®) Examination Detailed Content Outline

(Effective 1 January 2017)

This document contains the Detailed Content Outline (DCO) for the Clinical Research Associate Examination. Each question on the exam is based on this outline.

#### Introduction

The CCRA program is accredited by the <u>National Commission for Certifying Agencies (NCCA</u><sup>®</sup>). NCCA Accreditation is an impartial, third-party validation that the CCRA program has met recognized national and international credentialing industry standards for development, implementation, and maintenance of certification programs. The Academy of Clinical Research Professionals (the Academy) develops the CCRA exam using certification industry best practices, as aligned with the NCCA Standards for Accreditation of Certification Programs.

In following these best practices, the Academy conducts a Job Analysis Study every five (5) years to ensure content validity of the CCRA Examination. Program content validity is demonstrated with a comprehensive job analysis conducted and analyzed by experts, with data gathered from practitioners within the profession. The process utilizes knowledge and task focused guidelines to assess clinical research professionals' competence, and determine the level of importance and frequency of specific knowledge and tasks required to perform in the role of a clinical research associate. View Executive Summary for the most recent Job Analysis Study.

# **Using the CCRA Detailed Content Outline (DCO)**

The CCRA DCO was constructed from the results of the most recent (2015) Job Analysis Study. The results of the study provided the framework for the knowledge and tasks important to the role of a CCRA and therefore the content of the CCRA Exam. To be certified, a CRA is expected to have proficiency in the six (6) main content areas of clinical research, displayed in the chart below. The percent of questions dedicated to each content area are provided.

	Content Areas	Percentage of Items on Exam
I.	Scientific Concepts and Research Design	12%
II.	Ethical and Participant Safety Considerations	20%
III.	Product Development and Regulation	10%
IV.	Clinical Trial Operations (GCPs)	25%
V.	Study and Site Management	23%
VI.	Data Management and Informatics	10%
	Total	100%

Certified Clinical Research Associates (CCRAs) are expected to have general knowledge of:

- laboratory terminology, tests, and procedures
- basic math, including adding, subtracting, multiplying, dividing, and calculating percentages

The specific knowledge and tasks identified as important are provided in the CCRA DCO, below. Therefore, to prepare to take the CCRA Exam, one should study this outline and especially consider the underlying knowledge, skills, and abilities needed to perform as a CCRA. It is recommended that an eligible CCRA Exam candidate use this outline to identify knowledge gaps for constructing a relevant preparation plan.

# Certified Clinical Research Associate (CCRA®) Examination Detailed Content Outline

(Effective 1 January 2017)

As defined by the most recent ACRP Job Analysis Survey, a CCRA® shall have proficient **knowledge** (middle column) in the following six (6) content areas of clinical research. A CCRA typically uses this knowledge to perform the **tasks** listed (last column).

Content Area	CCRAs must demonstrate	CCRAs typically perform the
	proficient knowledge within	following tasks:
	the following areas:	
I. Scientific Concepts and Research Design		Review background information (e.g., product development plan, IB)
(12%)	1.1 components of a product development plan (e.g., timelines)	Identify and/or explain study objective(s) and endpoints
		Identify the expected or unexpected results associated with investigational products
		Identify and/or explain study design
		Identify issues requiring protocol amendments
Brochure (IB) and/or investigation device use (instructions for use)  1.4 elements of and rationale for subject eligibility requirements	1.2 elements of a protocol	Develop and/or Evaluate data collection tools (e.g., case report form (e/CRF), electronic data capture (EDC)) for consistency with protocol
	1.3 elements of an Investigational Brochure (IB) and/or investigational device use (instructions for use)	Identify the safety and expected therapeutic effects of the investigational product.
		Review background information (e.g., product development plan, IB)
		Identify the expected or unexpected results associated with investigational products
	1.4 elements of and rationale for subject eligibility requirements	Develop and/or follow a recruitment strategy
		Evaluate study for feasibility (site determining ability to successfully conduct the study)
		Re-evaluate the recruitment strategy as needed
		Develop or participate in protocol training
	1.5 rationale for complying with a protocol	Ensure compliance with study requirements and regulations
		Ensure investigator/site protocol compliance
	1.6 study design characteristics (e.g., double-blind, crossover, randomized)	Identify and/or explain study design
		Identify and/or explain study objective(s) and endpoints
		Develop and/or follow a study plan (e.g., management plan, monitoring plan, etc.)
	1.7 study objective(s) and end	Identify and/or explain study objective(s) and

Content Area	CCRAs must demonstrate	CCRAs typically perform the
	proficient knowledge within	following tasks:
	the following areas:	<u> </u>
	points/outcomes	endpoints
		Plan, conduct and/or participate in training of the investigational staff
		Develop and/or Evaluate data collection tools (e.g., case report form (e/CRF), electronic data capture (EDC)) for consistency with protocol
		Identify and/or explain study design
	1.8 use of	Minimize potential risks to subject safety
	supplemental/rescue/comparator product in study design	Ensure proper storage, dispensing, handling, and disposition of investigational product and related supplies
		Identify and/or explain study design
	1.9 treatment assignments (e.g., randomization, open label, registries)	Ensure adequacy of investigational product and other supplies at site
	randomization, open razer, region es,	Monitor investigational product expiration and/or manage resupply
2. Ethical and Participant Safety		Differentiate the types of adverse events that occur
2.1 adverse events classification, documentation and reporting  2.2 blinding procedures	Maintain follow-up to determine resolution of adverse event(s)	
		Verify appropriate reporting and documentation of adverse event(s)
		Ensure proper storage, dispensing, handling, and disposition of investigational product and related supplies
	2.2 blinding procedures	Identify and/or explain study design
		Identify and/or explain study objective(s) and endpoints
	2.3 components of subject eligibility requirements	Assess, manage, and/or review subject laboratory values, test results, and alerts
		Plan, conduct and/or participate in training of the investigational staff
		Inform the sponsor and IRB/IEC of any deviations from the protocol and document as appropriate
	2.4 confidentiality and privacy	Ensure compliance with electronic data requirements (e.g., passwords and access)
	requirements	Ensure access to source data by authorized parties, and protect confidentiality by limiting unauthorized access

<b>Content Area</b>	CCRAs must demonstrate	CCRAs typically perform the
	proficient knowledge within	following <u>tasks</u> :
	the following areas:	
		Comply with subject privacy regulations
		Identify the safety and expected therapeutic
		effects of the investigational product.
	2.5 elements of the IB	Differentiate the types of adverse events that
		occur
		Review the Investigators' Brochure
		Ensure adequate consent and documentation
	2.6 elements of the informed consent	Develop and/or review informed consent form
	form	Prepare and/or submit documents for IRB/IEC and/or sponsor review/approval
		, , , , , , , , , , , , , , , , , , , ,
		Verify adequate implementation and
		documentation of the informed consent
		process
	2.7 informed consent process requirements	Identify and/or address potential ethical issues involved with study conduct
	·	Prepare the study site for audits and
		inspections
		Minimize potential risks to subject safety
		Assess, manage, and/or review subject
2.8 protection of human subjects	laboratory values, test results, and alerts	
		Assess subject safety during study participation
		Inform the sponsor and IRB/IEC of any
		deviations from the protocol and document as
	2.9 protocol deviation/violation identification, documentation, and	appropriate
		Prepare for and/or participate in audits and
	reporting processes	inspections
		Identify issues and recommend investigator/site corrective actions
		Re-evaluate the recruitment strategy as needed
	2.10 recruitment plan/strategies	Develop and/or follow a recruitment strategy
2.10 recruitment plan/strategi	2.10 recruitment planystrategies	Verify investigator/site feasibility
		, , ,
	2.11 cofety monitoring	Ensure timely review of safety data
	2.11 safety monitoring	Reconcile safety and clinical databases
	Assess subject safety during study participation	
	1 2 12 subject discontinuation	Document reasons for subject discontinuation (i.e., causes, contact efforts)
	criteria/procedures	Assess subject compliance
		Assess subject compliance

Content Area	CCRAs must demonstrate proficient knowledge within the following areas:	CCRAs typically perform the following tasks:
	the following areas.	Minimize potential risks to subject safety
	2.13 subject retention strategies	Develop and/or implement study education plan and/or tools for subjects  Develop project/trial management tools  Select trial sites for participation
		Maintain follow-up to determine resolution of adverse event(s)
	2.14 subject safety issues	Oversee the management of safety risks (e.g., clinical holds, product recalls)  Assess subject safety during study participation
		Identify and/or address potential ethical issues involved with study conduct
	2.15 vulnerable subject populations	Comply with IRB/IEC requirements  Ensure adequate consent and documentation
	2.16 conflicts of interest in clinical research	Identify and/or address potential ethical issues involved with study conduct
		Identify and report potential fraud and misconduct
		Investigate potential fraud and misconduct
3. Product Development and Regulation (10%)	3.1 audit and inspection processes	Prepare the study site for audits and inspections  Prepare for and/or participate in audits and
	(preparation, participation, documentation, and follow-up)	inspections
		Respond to or facilitate response to audit/inspection findings
		Ensure compliance with study requirements and regulations
	3.2 clinical development process (e.g., preclinical, clinical trial phases, device class)	Coordinate protocol and/or protocol amendments through appropriate approval processes (e.g., IRB/IEC, sponsor, regulatory authority)
		Prepare and/or submit documents for IRB/IEC and/or sponsor review/approval
	3.3 elements of fraud and misconduct	Identify and/or address potential ethical issues involved with study conduct
		Identify and report potential fraud and misconduct
		Investigate potential fraud and misconduct
	3.4 IRB/IEC reporting requirements	Comply with IRB/IEC requirements

Content Area	CCRAs must demonstrate proficient knowledge within the following areas:	CCRAs typically perform the following tasks:
		Ensure IRB/IEC review/written approval of study and study documents  Prepare and/or submit documents for IRB/IEC and/or sponsor review/approval
	3.5 IRB/IEC role, composition and purpose	Identify the role and proper composition of IRB/IECs  Ensure IRB/IEC review/written approval of study and study documents  Inform the sponsor and IRB/IEC of any deviations from the protocol and document as appropriate
	3.6 product development lifecycle	Review background information (e.g., product development plan, IB)  Identify the safety and expected therapeutic effects of the investigational product.  Manage study records retention and availability
	3.7 protocol and protocol amendment submission and approval processes	Coordinate protocol and/or protocol amendments through appropriate approval processes (e.g., IRB/IEC, sponsor, regulatory authority)  Identify issues requiring protocol amendments  Implement protocol amendments
	3.8 regulatory reporting requirements	Ensure compliance with study requirements and regulations Inform the sponsor and IRB/IEC of any deviations from the protocol and document as appropriate  Verify appropriate reporting and documentation of adverse event(s)
	3.9 safety reporting requirements	Verify appropriate reporting and documentation of adverse event(s)  Differentiate the types of adverse events that occur  Oversee the management of safety risks (e.g., clinical holds, product recalls)
	3.10 significant milestones in the evaluation of efficacy and safety (e.g., interim analysis result, DSMB review)	Ensure timely review of study data  Develop and/or follow a study plan (e.g., management plan, monitoring plan, etc.)  Ensure timely review of safety data
4. Clinical Trial	4.1 delegation of responsibilities	Select qualified investigational staff

Content Area	CCRAs must demonstrate proficient knowledge within the following areas:	CCRAs typically perform the following tasks:
Operations (GCPs);		Verify that investigational staff is qualified
(25%)		Develop or participate in protocol training
		Create, document, and/or implement
	4.2 elements of an effective	corrective and preventive action (CAPA) plans
	corrective and preventive action (CAPA) plan	Document, communicate, and follow up on site visit findings
	(CAPA) pian	Escalate significant findings as appropriate
		Develop and/or follow a study plan (e.g.,
		management plan, monitoring plan, etc.)
	4.3 elements of and rationale for monitoring plan(s)	Develop and implement monitoring guidelines/plans
		Prepare, conduct, and/or participate in interim monitoring visit(s)
		Perform risk-based monitoring activities
	4.4 elements of the investigator's brochure	Assess, manage, and/or review subject laboratory values, test results, and alerts
		Review the Investigators' Brochure
4.5 monitoring activities (source data review, source data verification)  4.6 pre-study/site selection visit	4.5 manifesting activities (account date	Conduct co-monitoring/training visits
	Perform onsite monitoring activities	
	review, source data vermedition,	Perform remote monitoring activities
	4.6 pre-study/site selection visit activities	Obtain/verify vendor credentials (e.g., lab certification/licensure)
		Schedule, coordinate, and/or participate in pre-study site visit
		Select trial sites for participation
		Monitor accountability of investigational product
	4.7 principal investigator	Ensure appropriate staff, facility, and
	responsibilities	equipment availability throughout the study
		Identify and/or maintain Essential Documents required for study conduct
		Perform risk-based monitoring activities
	4.8 principles of risk based monitoring	Conduct source data review (SDR) and/or source data verification (SDV) remotely
		Ensure monitoring activities are conducted according to plan
	4.9 project feasibility considerations	Ensure consistency between the sites' standard operating procedures (SOPs) and the study requirements

Content Area	CCRAs must demonstrate proficient knowledge within the following areas:	CCRAs typically perform the following <u>tasks</u> :
		Evaluate study for feasibility (site determining ability to successfully conduct the study)  Select trial sites for participation
	4.10 roles of various clinical trial entities (e.g., CROs, sponsors, regulatory authority, etc.)	Develop and/or follow a study plan (e.g., management plan, monitoring plan, etc.)  Identify the role and proper composition of IRB/IECs  Obtain/verify vendor credentials (e.g., lab certification/licensure)
	4.11 site close-out activities	Prepare, conduct, and/or participate in close- out monitoring visit(s)  Transmit data to Data Management  Reconcile investigational product and related supplies
	4.12 site initiation activities	Prepare, conduct and/or participate in study initiation activities  Perform and/or verify equipment calibration and maintenance  Verify Essential Documents required for study
	4.13 site selection criteria	conduct  Ensure consistency between the sites' standard operating procedures (SOPs) and the study requirements  Select qualified investigational staff  Select trial sites for participation
	4.14 staff oversight	Review study related logs (e.g., site signature log, screening log)  Verify that investigational staff is qualified  Ensure consistency between the sites' standard operating procedures (SOPs) and the study requirements
	4.15 staff qualifications (site and monitor)	Verify that investigational staff is qualified  Develop or participate in protocol training  Follow standards for handling hazardous goods (e.g., International Air Transport Association (IATA)
	4.16 staff training requirements	Develop or participate in protocol training  Plan, conduct and/or participate in training of the investigational staff

Content Area	CCRAs must demonstrate proficient knowledge within the following areas:	CCRAs typically perform the following tasks:
		Ensure proper collection, processing, and shipment of specimens (e.g., centrifuge, preparation of slides, freezing, refrigeration)
	4.17 study close-out activities	Perform query resolution  Verify Essential Documents required for study conduct  Prepare, conduct, and/or participate in closeout monitoring visit(s)
5. Study and Site Management (23%)	5.1 communication documentation requirements (e.g., telephone, email)	Document, communicate, and follow up on site visit findings  Perform remote monitoring activities  Escalate significant findings as appropriate
	5.2 corrective and preventive action (CAPA) process(es) and plans	Create, document, and/or implement corrective and preventive action (CAPA) plans Escalate significant findings as appropriate Identify issues and recommend investigator/site corrective actions
	5.3 equipment and supplies use and maintenance	Manage study supplies (e.g., lab kits, case report forms)  Ensure adequacy of investigational product and other supplies at site  Perform and/or verify equipment calibration and maintenance
	5.4 investigational product accountability and documentation requirements	Monitor accountability of investigational product  Manage investigational product recall  Reconcile investigational product and related supplies
	5.5 investigational product characteristics (e.g., mechanism of action, stability, etc.)	Identify the expected or unexpected results associated with investigational products  Ensure proper storage, dispensing, handling, and disposition of investigational product and related supplies  Monitor investigational product expiration and/or manage resupply
	5.6 investigational product labeling requirements	Monitor investigational product expiration and/or manage resupply  Reconcile investigational product and related

Content Area	CCRAs must demonstrate proficient knowledge within	CCRAs typically perform the following tasks:
	the following areas:	
		supplies  Identify and/or maintain Essential Documents required for study conduct
	5.7 investigational product packaging	Monitor investigational product expiration and/or manage resupply
		Reconcile investigational product and related supplies
		Ensure proper storage, dispensing, handling, and disposition of investigational product and related supplies
	5.0 investigational anadyst reference	Review the Investigators' Brochure
	5.8 investigational product reference materials (e.g., Investigational brochure, instructions for use, user manual)	Develop and/or implement study education plan and/or tools for subjects
		Identify the safety and expected therapeutic effects of the investigational product.
	5.9 investigational product shipment	Ensure proper storage, dispensing, handling, and disposition of investigational product and related supplies
		Manage investigational product recall
		Ensure adequacy of investigational product and other supplies at site
5	5.10 investigational product storage	Ensure proper storage, dispensing, handling, and disposition of investigational product and related supplies
		Ensure appropriate staff, facility, and equipment availability throughout the study
		Review study related logs (e.g., site signature log, screening log)
	5.11 non-compliance management  5.12 project timelines	Identify and report potential fraud and misconduct
		Ensure investigator/site protocol compliance
		Escalate significant findings as appropriate
		Develop and/or follow a study plan (e.g.,
		management plan, monitoring plan, etc.)  Develop project/trial management tools
		Evaluate study for feasibility (site determining
		ability to successfully conduct the study)
	5.13 purpose of and process(es) for	Ensure investigator/site protocol compliance
	protocol compliance	Perform onsite monitoring activities

Content Area	CCRAs must demonstrate proficient knowledge within the following areas:	CCRAs typically perform the following <u>tasks</u> :
		Ensure proper collection, processing, and shipment of specimens (e.g., centrifuge, preparation of slides, freezing, refrigeration)
	5.14 roles of various clinical trial entities (e.g., CROs, sponsors, regulatory authority, etc.)	Identify the role and proper composition of IRB/IECs Escalate significant findings as appropriate Respond to or facilitate response to audit/inspection findings
	5.15 sample collection, shipment, and storage requirements	Ensure proper collection, processing, and shipment of specimens (e.g., centrifuge, preparation of slides, freezing, refrigeration)  Perform and/or verify equipment calibration and maintenance  Review study related logs (e.g., site signature log, screening log)
	5.16 subject compliance assessment	Assess subject compliance Ensure investigator/site protocol compliance Develop and/or implement study education plan and/or tools for subjects
	5.17 subject responsibilities for study participation	Develop and/or Evaluate data collection tools (e.g., case report form (e/CRF), electronic data capture (EDC) for consistency with protocol  Verify adequate implementation and documentation of the informed consent process
		Document reasons for subject discontinuation (i.e., causes, contact efforts)  Assess subject compliance
	5.18 subject visit activities	Reconcile investigational product and related supplies  Develop project/trial management tools
6. Data Management and Informatics (10%)	6.1 data management activities	Review completed eCRF/CRF  Transmit data to Data Management  Manage study records retention and availability
	6.2 data privacy principles	Ensure compliance with electronic data requirements (e.g., passwords and access)  Ensure access to source data by authorized parties, and protect confidentiality by limiting unauthorized access  Comply with subject privacy regulations

Content Area	CCRAs must demonstrate proficient knowledge within the following areas:	CCRAs typically perform the following tasks:
		Develop trial management tools (e.g. subject study calendar, source documents, retention material)
	6.3 elements and purposes of data collection tools (e.g., eCRF, EDC)	Develop source document templates
	concetion tools (e.g., cetti, EBC)	Evaluate data collection tools (e.g., case report form (e/CRF), electronic data capture (EDC)) for consistency with protocol
	6.4 elements of and process for data	Manage study records retention and availability
		Prepare study summary and/or close-out letter for IRB/IEC
	query	Prepare and/or participate in close-out monitoring visit(s)
		Perform query resolution
	6.5 elements of pharmacovigilance	Collect, record, and report accurate and
	(e.g., CIOMS, IDMC/DSMB, safety databases)	verifiable data
	uatavases	Review completed eCRF/CRF
	6.6 essential documents for the conduct of a clinical trial (e.g., trial master file)  6.7 record retention and destruction practices and requirements	Ensure timely review of safety data
		Collect, record, and report accurate and verifiable data
		Minimize potential risks to subject safety
		Identify and/or maintain Essential Documents required for study conduct
		Manage study records retention and availability
		Maintain study related logs (e.g., site signature log, screening log)
	6.8 source data review (SDR) and source data verification (SDV) purpose and process  6.9 source documentation requirements	Manage study records retention and availability
		Maintain study related logs (e.g., site signature log, screening log)
		Ensure consistency between the sites' standard operating procedures (SOPs) and the study requirements
		Collect, record, and report accurate and verifiable data
		Perform query resolution
		Ensure and document follow-up medical care for study subjects, as applicable
	6.10 study documentation practices	Develop source document templates
	(accurate, complete, timely, legible,	Collect, record, and report accurate and

Content Area	CCRAs must demonstrate proficient knowledge within the following areas:	CCRAs typically perform the following <u>tasks</u> :
	dated, and identify the trial)	verifiable data
		Evaluate data collection tools (e.g., case report form (e/CRF), electronic data capture (EDC)) for consistency with protocol