

**Exam Content for  
(CU-400-CERT) Certara Certified  
NCA Analyst  
using Phoenix WinNonlin 8.0**



CERTARA  
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CERTIFICATION

Exam Content	Resources
<p><b>1. Basic Theory of PK and NCA (20%)</b></p> <p><b>1.1. Basic Fundamental Theory of PK (10%)</b> This section does not require knowledge of the Phoenix WinNonlin software. The questions are theoretical on fundamental theory of Pharmacokinetics. Candidates should understand what Pharmacokinetics is what PK parameters represent</p>	<p>To learn fundamental theory of Pharmacokinetics Certara University offers a course on <a href="#">Fundamentals of Pharmacokinetics (103-0D)</a></p>
<p><b>1.2. Basic Theory of NCA (10%)</b> Candidates should understand the fundamentals principles of NCA. This section does not require knowledge of the Phoenix WinNonlin software.</p>	<p>To learn more about basic theory of NCA Certara University offers a course on <a href="#">Noncompartmental Data Analysis (105-OD)</a></p>
<p><b>2. Phoenix WinNonlin Interphase (23%)</b></p> <p><b>2.1. Phoenix WinNonlin framework and Navigation(16%)</b> Understand how to navigate in the Phoenix WinNonlin Framework to do NCA work in Phoenix WinNonlin version 8.0.</p> <p><b>2.2. Data manipulation (7%)</b> This section will test the user on the data tools available in Phoenix WinNonlin</p>	<p>Concepts in this section are covered either in the <a href="#">On-Demand (100-OD)</a> or <a href="#">Classroom (100-CL)</a> Introduction to Phoenix WinNonlin.</p>
<p><b>3. Exploratory Data Analysis (7%)</b> Tests the knowledge of your understanding of exploratory data analysis and the Phoenix WinNonlin tools available to perform such analyses</p>	<p>Concepts in this section are covered in either the <a href="#">On-Demand (100-OD)</a> or <a href="#">Classroom (100-CL)</a> Introduction to Phoenix WinNonlin.</p>
<p><b>4. NCA in Phoenix WinNonlin (20%)</b> In this section, the candidate will demonstrate that she/he knows how to perform NCA in Phoenix WinNonlin version 8.0</p>	<p>Concepts in this section are covered in either the <a href="#">On-Demand (100-OD)</a> or <a href="#">Classroom (100-CL)</a> Introduction to Phoenix WinNonlin.</p>
<p><b>5. Non-Parametric Superposition (10%)</b> The candidate will demonstrate theoretical as well as practical understanding of how to perform non-parametric superposition.</p>	<p>Concepts in this section are covered either the <a href="#">On-Demand (100-OD)</a> or <a href="#">Classroom (100-CL)</a> Introduction to Phoenix WinNonlin.</p>
<p><b>6. NCA Analysis and Reporting of Typical Study Designs (20%)</b> This section asks practical questions on NCA when analyzing the following study designs: ADME (Mass Balance) Studies; Toxicology Studies; Single Dose Studies; Multiple Dose Studies; Drug-drug Interactions; Fed-Fasted Studies; BA/BE Studies, and Renal/Hepatic Impairment Studies.</p>	<p>Concepts in this section are not covered in a specific course but they are obtained from practical NCA application and from examples taught in courses.</p>