

## IACC 2023 Case-based discussion (CBD) scenario

<b>Specialty:</b>	<b>Clinical Bioinformatics (Health Informatics)</b>
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### CBD Scenario

<b>CBD Scenario Title</b>	Providing advice on data collected for audit purposes									
<b>CBD Scenario Aim</b>	For the IACC candidate to demonstrate their understanding of clinical audit design, and how informatics best practice is applied to conducting audit.									
<b>CBD Focus</b> (please provide the codes of the module(s) this scenario addresses)	SCC110; SBI103, SBI123									
<b>GSP Domains covered</b> (enter X to indicate all that apply)	<b>GSP 1</b>	X	<b>GSP 2</b>	X	<b>GSP 3</b>	X	<b>GSP 4</b>	X	<b>GSP 5</b>	
<b>CBD Scenario description</b>	You have been asked by a colleague to advise on analysing and interpreting some data that have been collected as part of a clinical audit. Please describe the steps you would take to understand the purpose and requirements of the audit, the advice you would give for analysing the data, and any other considerations.									
<b>CBD Scenario model answer/ assessor guidance</b>  Detailed guidance that will be available for the assessors. Include guidance on what kinds of behaviours, actions, comments should secure a pass. What should the assessor expect to see? Assessors will be asked to plan questions in advance including links to trainee's IACC submission.	<p>You should:</p> <ul style="list-style-type: none"> <li>• Seek a description of the clinical problem / situation being audited</li> <li>• Understand the data that has been collected and method for doing so</li> <li>• Establish the standards / targets against which the audit results will be compared</li> <li>• Understand the patient benefit of conducting the audit</li> </ul> <p>Then, to obtain a pass, you should broadly cover the following themes. A non-exhaustive set of examples of areas for discussion within each theme are given, though you are not expected to cover all of these to pass.</p>									

	<p><b>Data collection</b></p> <ul style="list-style-type: none"> <li>• Definition of the data that has been collected</li> <li>• Method of collection – are the results available in a structured electronic format</li> <li>• Is the sample size sufficient to ensure meaningful results</li> <li>• What sample methodologies have been employed</li> <li>• Any Information Governance concerns: <ul style="list-style-type: none"> <li>○ How is the data being stored?</li> <li>○ Does the data contain PID? Is it justified if so? Is it needed for the analysis?</li> </ul> </li> </ul> <p><b>Data analysis</b></p> <ul style="list-style-type: none"> <li>• What is the target audience for the results of this audit? What analysis does this group require?</li> <li>• What skills or tools are required to conduct the analysis?</li> <li>• How will audit results be disseminated?</li> </ul> <p><b>Action Plan</b></p> <ul style="list-style-type: none"> <li>• How will the analysis be used to inform an action plan?</li> <li>• Is there a need for re-audit, and when</li> <li>• Accountability for audit actions</li> </ul>
<p><b>Trainee instructions</b></p> <p>Please include any specific information to be provided to the trainee as part of the CBD scenario</p>	

## Criteria being assessed by this CBD scenario

Aspect	Please indicate if this criterion is being assessed
1. Understands the clinical context of the scenario, including priority setting and testing strategies	Y
2. Understands scientific principles of scenario	Y

3. Can discuss the relevant procedures involved in the scenario and associated health and safety issues	
4. Understands and applies the appropriate test validation, IQC, EQA, relevant professional/clinical guidelines	
5. Understands and applies associated IT/bioinformatics and other appropriate resources	Y
6. Is able to interpret and report patient results and provide appropriate clinical advice	
7. Can discuss the significance of patient results within the clinical context of the referral	
8. Understands the ethical, legal and social implications of the scenario	Y
9. Is aware of the importance of audit and can use this tool effectively	Y
10. Output meets accepted laboratory/professional standards	
11. Demonstrates awareness of the limits of responsibility and when to seek advice	
12. Consideration of patient/professionalism	
13. Overall ability to perform	