

## Supplementary Material

### Comparing Large Language Models (Bard, Bing, and ChatGPT) and Prompt Design for Healthcare Simulation Case Scenarios

# Appendix 01

#### Simulation Scenario Evaluation Tool (SSET)

Element 1: Learning Objectives [ ] Not Applicable				
Item	[1]	[2]	[3]	[4] [5]
1	None of the objectives pertain to the skill level and knowledge base of the target audience	Some objectives pertain to the skill level and knowledge base of the target audience		All objectives pertain to the skill level and knowledge base of the target audience
Item	[1]	[2]	[3]	[4] [5]
2	None of the objectives are specific	Some objectives are specific		All objectives are specific
Item	[1]	[2]	[3]	[4] [5]
3	None of the objectives are measurable	Some objectives are measurable		All objectives are measurable
Item	[1]	[2]	[3]	[4] [5]
4	None of the objectives are action oriented	Some objectives are action oriented		All objectives are action oriented
Item	[1]	[2]	[3]	[4] [5]
5	None of the objectives are relevant	Some objectives are relevant		All objectives are relevant
Item	[1]	[2]	[3]	[4] [5]
6	None of the objectives are time specific	Some objectives are time specific		All objectives are time specific
Item	[1]	[2]	[3]	[4] [5]

7	Objectives do not include the types of knowledge and/or skills expected to be gained by completing the simulation exercise	Some objectives include the types of knowledge and/or skills expected to be gained by completing the simulation exercise	All Objectives specify the types of knowledge and/or skills expected to be gained by completing the simulation exercise
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Score for Element I: Learning Objectives.....

Element II : Clinical Context/ Scenario Overview <input type="checkbox"/> Not Applicable				
Item	[1]	[2]	[3]	[4] [5]
8	None of the elements of the Clinical Context pertain to the skill level and knowledge base of the target audience	Some elements of the Clinical Context pertain to the skill level and knowledge base of the target audience	All elements of the Clinical Context pertain to the skill level and knowledge base of the target audience	
Item	[1]	[2]	[3]	[4] [5]
9	None of the elements of the Clinical Context support the learning objectives of the simulation - based experience	Some elements of the Clinical Context support the learning objectives of the simulation - based experience	All elements of the Clinical Context support the learning objectives of the simulation -based experience	

Score for Element II: Clinical Context/Scenario Overview.....

Element III: Critical Actions <input type="checkbox"/> Not Applicable				
Item	[1]	[2]	[3]	[4] [5]
10	None are attainable in accordance with the skill level and knowledge base of the target audience	Some are attainable in accordance with the skill level and knowledge base of the target audience	All are attainable in accordance with the skill level and knowledge base of the target audience	
Item	[1]	[2]	[3]	[4] [5]
11	None support the learning objectives	Some support the learning objectives	All support the learning objectives	
Item	[1]	[2]	[3]	[4] [5]
12	None are directly observable	Some are directly observable	All are directly observable	

Score for Element III: Critical Actions.....

Element IV: Patient States [ ] Not Applicable				
Item	[1]	[2]	[3]	[4] [5]
13	None are clinically appropriate for case progression	Some are clinically appropriate for case progression	All are clinically appropriate for case progression	
Item	[1]	[2]	[3]	[4] [5]
14	Does not account for any or only one management pathway a learner may take.	Accounts for at least two management pathways a learner may take.	Accounts for at least three management pathways a learner may take.	
Item	[1]	[2]	[3]	[4] [5]
15	None are effective for meeting the learning objectives	Some are effective for meeting the learning objectives	All are effective for meeting the learning objectives	
Item	[1]	[2]	[3]	[4] [5]
16	None are effective for eliciting the outlined critical actions	Some are effective for eliciting the outlined critical actions	All are effective for eliciting the outlined critical actions	

Score for Element IV: Patient States.....

Element V: Scenario, Materials and Resources [ ] Not Applicable				
Item	[1]	[2]	[3]	[4] [5]
17	Does not provide a list of the necessary materials, equipment and human resources to support case facilitation.	Provides a list including some necessary materials, equipment and human resources to support case facilitation.	Provides a complete list of the necessary materials, equipment and human resources to support case facilitation.	
Item	[1]	[2]	[3]	[4] [5]
18	Does not provide a list of the necessary patient historical data, audio visual stimuli and clinical	Provides a list including some necessary patient historical data, audio visual stimuli and clinical resources to support case facilitation.	Provides a complete list of necessary patient historical data, audio visual stimuli and clinical resources to support case facilitation.	

	resources to support case facilitation.		
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Score for Element V: Scenario, Materials and Resources.....

Element VI: Debriefing Plan [ ] Not Applicable				
Item	[1]	[2]	[3]	[4] [5]
19	Does not present a debriefing plan	Presents a debriefing plan needing clarification		Presents a clear debriefing plan
Item	[1]	[2]	[3]	[4] [5]
20	Does not provide supporting materials with references to aid with debrief	Provides some supporting materials and/or references to aid with debrief		Provides a complete list of supporting materials with references

Score for Element VI: Debriefing.....