

## The CHART Abstract Checklist

HEADING	CHART Checklist #	ITEM	Page #
<b>Background</b>	<b>2a</b>	State the scientific background, rationale, and healthcare context for evaluating the generative AI-driven chatbot(s), referencing relevant literature when applicable.	
	<b>2b</b>	State the aims and research questions including the target audience, intervention, comparator(s), and outcome(s).	
<b>Methods</b>			
<b>Model Identifiers</b>	<b>3a</b>	State the name and version identifier(s) of the generative AI model(s) and chatbot(s) under evaluation, as well as their date of release or last update.	
	<b>3b</b>	State whether generative AI model(s) and chatbot(s) are open-source versus closed-source/proprietary.	
<b>Model Details</b>	<b>4a</b>	State whether the generative AI model was a base model or a novel base model, tuned model, or fine-tuned model.	
<b>Prompt Engineering</b>	<b>5a</b>	Describe the evolution of study prompt development.	
	<b>5ai</b>	Describe the sources of prompts.	
	<b>5aii</b>	State the number and characteristics of the individual(s) involved in prompt engineering.	
	<b>5aiii</b>	Provide details of any patient and public involvement during prompt engineering.	
<b>Query Strategy</b>	<b>6a</b>	State route of access to generative AI model.	
	<b>6b</b>	State the date(s) and location(s) of queries for the generative AI-driven chatbot(s) including the day, month, and year as well as city and country.	
<b>Performance Evaluation</b>	<b>7a</b>	Define the ground truth or reference standard used to define successful generative AI-driven chatbot performance.	
	<b>7b</b>	Describe the process undertaken for the performance evaluation of the generative AI-driven chatbot(s).	
<b>Sample Size</b>	<b>8</b>	Report how the sample size was determined.	
<b>Data Analysis</b>	<b>9a</b>	Describe statistical analysis methods, including any evaluation of reproducibility of generative AI-driven chatbot responses.	
<b>Results</b>			
	<b>10a</b>	Report the performance evaluation undertaken including the alignment between generative AI-driven chatbot output and ground truth or reference standard using quantitative or mixed methods approaches as applicable.	