AVA CLINICIAN TURING TEST INFORMED CONSENT

Hello [NAME HERE],

Thank you for your interest in our research survey!

Please read the following information carefully before proceeding:

You are being invited to participate in a research survey aimed at evaluating treatment recommendations for patients with sepsis and respiratory failure. In this survey, you will be asked to: (i) provide brief demographic information about yourself, (ii) review a series of patient vignettes and evaluate the treatment suggestions for each, and (iii) answer questions about your perceptions of artificial intelligence (AI) and clinical decision support tools. The survey consists of nine patient vignettes and takes approximately 30 to 45 minutes to complete. Participants who complete the survey will be compensated with a $75 Amazon gift card via email.

If you agree to participate, you will review nine patient vignettes and answer questions about the presented treatment suggestions (e.g., antibiotic treatments and ventilator settings). For each vignette, the treatment suggestions will be randomized to originate from either a human clinician or an AI system. You will assess the safety and appropriateness of the suggested treatments and indicate whether you think they were generated by a human clinician or an AI system. Once you have finished the survey,

participation is complete.

Your participation in this study is voluntary. You may choose not to participate, leave the survey, or withdraw at any time without penalty or loss of benefits.

We will publish all study results in aggregate such that none of your responses could be linked back to you. We will not publish or otherwise share any identifiable information about you. While the survey is active, the study team may temporarily link identifying information (i.e., name and email address) with survey responses. This is only to track survey completion and provide participant compensation. Survey responses will be de-identified for analysis.

There are no costs associated with participation. There are no specific benefits associated with participation. There is a small risk of a breach of confidentiality. However, the research team will make every effort to keep your personal information and survey responses strictly confidential by following practices, such as securing all study data behind HIPAA-compliant, password-protected accounts and devices and storing survey data anonymously. All identifiable data will be destroyed five years after the publication of the final manuscript from this study. De-identified survey data may be stored and used for future research studies without additional informed consent.

If you have any questions or concerns about this study or your participation, you may contact the study team:

- Study Coordinator: Nicholas Bishop, nicholas.bishop@pennmedicine.upenn.edu
- Principal Investigator: Dr. Gary Weissman, gary.weissman@pennmedicine.upenn.edu.

If a member of the study team cannot be reached, or you want to speak with someone other than those working on the study, you may contact the Office of Regulatory Affairs by calling (215) 898-2614. This study was reviewed and approved by the Institutional Review Board of the University of Pennsylvania (Improving sepsis care with AI-based clinical decision support, #858201).

By clicking the button below and proceeding, you indicate your consent to participate in this survey. You also agree not to share, reproduce, or distribute any part of the survey content, including by printing, recording, or capturing the screen in any way.