

Supplement 3

Survey Form for Prospective Clinician Prediction Collection

Clinicians vs. Artificial Intelligence in Patient Outcome Prediction in the
Intensive Care Unit

Kuang et al.

Clinician Role: ☐ () Attending Physician ☐ () Fellow ☐ () Resident ☐ () Clinical Clerk* ☐ () RN Location: ☐ () FMC ICU ☐ () FMC CVICU ☐ () PLC ☐ () RGH ☐ () SHC	Prediction Date & Time: ____ / ____ / ____ (DD / MM / YYYY) ____ : ____ (HH : MM AM/PM)	Patient Information: Bed # _____ MRN: _____ ICU admission Date & Time: Hospital admission Date & Time:
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*Equivalent to intern in the US

Please predict the following outcomes/events for this patient to the best of your ability. If the patient has already developed sepsis, delirium, AKI, or ARDS, predict whether the current episode will continue or a new episode will occur in the rest of this ICU stay.

1. In-hospital mortality:

- ☐ () Most likely to die
- ☐ () Likely to die
- ☐ () Equally likely to die or survive
- ☐ () Unlikely to die
- ☐ () Most unlikely to die

2. 30-day post-discharge mortality:

- ☐ () Most likely to die
- ☐ () Likely to die
- ☐ () Equally likely to die or survive
- ☐ () Unlikely to die
- ☐ () Most unlikely to die

3. Sepsis during this ICU stay:

- ☐ () Most likely to develop sepsis

- ☐ Likely to develop sepsis
- ☐ Equally likely to develop or not develop sepsis
- ☐ Unlikely to develop sepsis
- ☐ Most unlikely to develop sepsis

4. Delirium during this ICU stay

- ☐ Most likely to develop delirium
- ☐ Likely to develop delirium
- ☐ Equally likely to develop or not develop delirium
- ☐ Unlikely to develop delirium
- ☐ Most unlikely to develop delirium

5. AKI during this ICU stay

- ☐ Most likely to develop AKI
- ☐ Likely to develop AKI
- ☐ Equally likely to develop or not develop AKI
- ☐ Unlikely to develop AKI
- ☐ Most unlikely to develop AKI

6. ARDS during this ICU stay

- ☐ Most likely to develop ARDS
- ☐ Likely to develop ARDS
- ☐ Equally likely to develop or not develop ARDS
- ☐ Unlikely to develop ARDS
- ☐ Most unlikely to develop ARDS

7. From this point forward, how long do you think this patient will stay in the ICU? Give your prediction in days without a decimal point (e.g., 2 days).

() days

8. From this point forward, how long do you think this patient will stay in the hospital? Give your prediction in days without a decimal point (e.g., 2 days).

() days