Introduction	
Many thanks for taking part in this survey evaluating effect sizes in currently active trials in critically ill patients.	
You will be shown information on 10 trials, and you will be asked two questions about each.	
If you are unfamiliar with an intervention in a trial, please make a best-guess at the effect size based on the informa	tion given.
Your answers are anonymous, and by completing this survey, you agree that the information you provide can be used dataset for academic publication and presentation.	ed as part of a
Dr Elliott Ridgeon Dr Rachel Varughese Dr Scott Aberegg Prof Rinaldo Bellomo Dr Landoni Giovanni Dr Rob MacSweeney Dr Paul Young	
On behalf of the Medical Research Institute of New Zealand	

Demographics
1. Which country or region do you work in?
ANZ
Europe (outside UK)
UK
USA
Canada
Central or South America
Asia
○ Africa
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What is your stage of training in Intensive Care Medicine? Intensive Care Specialist
Other Specialist
Training to be a Specialist in Intensive Care Medicine
Training in an area of medicine other than intensive Care Medicine
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3. How many years experience do you have as a Specialist in Intensive Care Medicine?
Less than 5 years
5 to 10 years
More than 10 years

A CONFIRMATORY PHASE II/III STUDY ASSESSING EFFICACY, IMMUNOGENICITY AND SAFETY OF IC43 RECOMBINANT PSEUDOMONAS VACCINE IN INTENSIVE CARE PATIENTS

CARE PATIENTS.
Population: Adults requiring ICU ventilation for at least 48h
Intervention: Recombinant pseudomonas vaccine, given IM at day 0 (enrolment) and again at day 7.
Comparator: Placebo
Outcomes: Mortality at 28 days
4. Assuming a baseline day 28 mortality rate of 27.5%, what do you think the chances are that recombinant pseudomonas vaccine reduces absolute mortality by 10% or more (i.e. a decrease in mortality from 27.5% to 17.5%)?
Enter a value between 0 and 100%
5. Assuming a baseline day 28 mortality rate of 28%, what is the largest absolute reduction in day 28 mortality that you believe could occur as the result of administration of a recombinant pseudomonas vaccine?
I don't know
Enter a value between 0 and 28%

ADJUNCTIVE CORTICOSTEROID TREATMENT IN CRITICALLY ILL PATIENTS WITH SEPTIC SHOCK

Population: Adults who are ventilated with septic shock and have received vasopressors/inotropes for at least 4 hours
Intervention: Intravenous hydrocortisone (continuous infusion of 200mg/day for 7 days)
Comparator: Placebo
Outcomes: Mortality at 90 days
6. Assuming a baseline day 90 mortality rate of 33%, what do you think the chances are that intravenous hydrocortisone infusion reduces absolute mortality by 5% or more?
Enter a value between 0 and 100%
7. Assuming a baseline day 90 mortality rate of 33%, what is the largest absolute reduction in day 90 mortality that you believe could occur as the result of administration of intravenous hydrocortisone (continuous infusion of 200mg/day for 7 days)?
O I don't know
Enter a value between 0 and 33%

EARLY SPONTANEOUS BREATHING IN ACUTE RESPIRATORY DISTRESS SYNDROME

SYNDROME
Population: Ventilated adults with ARDS
Intervention: Airway Pressure Release Ventilation (APRV) to allow spontaneous breathing cycles within the acute phase of ARDS
Comparator: Volume controlled ventilation
Outcomes: 28 day mortality
8. Assuming a baseline in-hospital mortality rate of 35%, what do you think the chances are that APRV in the acute phase of ARDS reduces absolute mortality by 10% or more?
Enter a value between 0 and 100%
9. Assuming a baseline in-hospital mortality rate of 35%, what is the largest absolute reduction in in-hospital mortality that you believe could occur as the result of using Airway Pressure Release Ventilation (APRV) to allow spontaneous breathing cycles within the acute phase of the disease?
I don't know
Enter a value between 0 and 35%

NON-SEDATION VERSUS SEDATION WITH A DAILY WAKE-UP TRIAL IN CRITICALLY ILL PATIENTS RECEIVING MECHANICAL VENTILATION

Population: Adults who are ventilated on the intensive care unit (without severe head trauma or status epilepticus)

Intervention: Non-sedation. Patients are informed by staff of where they are, what has happened, and what type of treatment they are going to receive. Participants will be awake and have a natural sleep rhythm. Patients with delirium will be calmed by staff or treated with haloperidol

Comparator: Sedation with daily wake-up. Sedation to Ramsay score 3-4. First 48 hours sedation with propofol, after 48 hours midazolam will be used. During daytime, the patient will be awakened.

Outcomes: 90 day mortality

10. Assuming a baseline day 90 mortality rate of 39%, what do you think the chances are that a non-sedation policy reduces absolute mortality by 10% or more?
Enter a value between 0 and 100%
11. Assuming a baseline day 90 mortality rate of 39%, what is the largest absolute reduction in day 90 mortality that you believe could occur as the result of adopting a policy of non-sedation?
I don't know
Enter a value between 0 and 39%

STRESS ULCER PROPHYLAXIS IN THE INTENSIVE CARE UNIT

Population: Adults with shock, coagulopathy, or receiving continuous renal replacement therapy or ventilation
Intervention: IV pantoprazole (40mg/day for duration of ICU stay)
Comparator: Placebo
Outcomes: 90 day mortality
12. Assuming a baseline day 90 mortality rate of 25%, what do you think the chances are that IV pantoprazole reduces absolute mortality by 5% or more?
Enter a value between 0 and 100%
13. Assuming a baseline 90 day mortality rate of 25%, what is the largest absolute reduction in 90 day mortality that you believe could occur as the result of administration of IV pantoprazole (40mg/day for duration of ICU stay)?
I don't know
Enter a value between 0 and 25%

THE AUGMENTED VERSUS ROUTINE APPROACH TO GIVING ENERGY TRIAL

(TARGET)
Population: Ventilated adults expected to require enteral (not oral) nutrition for at least 2 days in ICU
Intervention: Nutrition at 1.5kcal/kg/hr (given for 28 days or until ICU discharge, whichever is sooner)
Comparator: Nutrition at 1.0kcal/kg/hr (given for 28 days or until ICU discharge, whichever is sooner)
Outcomes: 90 day mortality
14. Assuming a baseline 90 day mortality rate of 25%, what do you think the chances are that nutrition at 1.5kcal/kg/hr (instead of at 1kcal/kg/hr) reduces absolute mortality by 3.95% or more?
Enter a value between 0 and 100%
15. Assuming a baseline 90 day mortality rate of 25%, what is the largest absolute reduction in 90 day mortality that you believe could occur as the result of administration of nutrition at 1.5kcal/kg/hr instead of at 1kcal/kg/hr?
I don't know
Enter a value between 0 and 25%

THE SUDDICU STUDY OF ANTIBIOTIC PROPHYLAXIS IN CRITICAL ILLNESS

Population: Adults ventilated for more than 24 hours in the ICU

Intervention: Triple selective decontamination of the digestive tract (antibiotic paste to

buccal mucosa/oropharynx, antibiotic suspension to GI tract and IV antibiotic)

Comparator: Usual care (as per local VAP prevention guidelines)

Outcomes: In-hospital mortality

16. Assuming a baseline in-hospital mortality rate of 25%, what do you think the chances are that using triple selective decontamination of the digestive tract reduces absolute mortality by 3.5% or more?

Enter a value between 0 and 100%	
17. Assuming a baseline in-hospital mortality rate of 25%, what hospital mortality that you believe could occur as the result of the digestive tract (antibiotic paste to buccal mucosa/orophary IV antibiotic)?	using triple selective decontamination of
I don't know	
Enter a value between 0 and 25%	

TICAGRELOR IN SEVERE COMMUNITY ACQUIRED PNEUMONIA

Population: Adults with new severe community acquired pneumonia requiring ICU admission
Intervention: Ticagrelor (180mg loading dose then 90mg twice daily for 90 days)
Comparator: Placebo
Outcomes: 90 day mortality
18. Assuming a baseline 90 day mortality rate of 33%, what do you think the chances are that ticagrelor reduces absolute mortality by 11% or more?
Enter a value between 0 and 100%
19. Assuming a baseline 90 day mortality rate of 33%, what is the largest absolute reduction in 90 day mortality that you believe could occur as the result of administration of ticagrelor (180mg loading dose then 90mg twice daily for 90 days)?
I don't know
Enter a value between 0 and 33%

TRANEXAMIC ACID FOR THE TREATMENT OF GASTROINTESTINAL

HAEMORRHAGE: AN INTERNATIONAL RANDOMISED, DOUBLE BLIND PLACEBO CONTROLLED TRIAL
Population: Adults with acute significant GI bleeding (upper or lower)
Intervention: Tranexamic acid (loading dose of 1g IV, then 3g IV infusion over 24h)
Comparator: Placebo
Outcomes: 28 day mortality
20. Assuming a baseline 28 day mortality rate of 10%, what do you think the chances are that tranexamic acid reduces absolute mortality by 2.5% or more?
Enter a value between 0 and 100%
21. Assuming a baseline 28 day mortality rate of 10%, what is the largest absolute reduction in 28 day mortality that you believe could occur as the result of administration of tranexamic acid (loading dose of 1g IV, then 3g IV infusion over 24h)?
I don't know
Enter a value between 0 and 10%

TRANEXAMIC ACID FOR THE TREATMENT OF SIGNIFICANT TRAUMATIC BRAIN INJURY: AN INTERNATIONAL, RANDOMISED, DOUBLE BLIND, PLACEBO CONTROLLED TRIAL

Trials Complete!	
Many thanks for participating in this survey about effect sizes in critical care trials.	
If you have any feedback about this project, please leave your comments below.	
24. Feedback and Comments	