







Population Metrics and Reporting

OHCA Registry Meeting 29th October 2018 Singapore

Siobhán Masterson

National University of Ireland Galway

On behalf of the EuReCa TWO Study Management Team

siobhan.masterson@nuigalway.ie

What are Population Metrics?

metric

/'metrik/

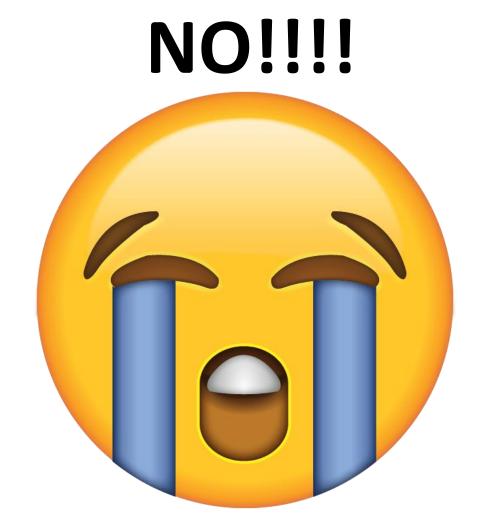
1. TECHNICAL

a system or standard of measurement.

What is the Population of Interest?



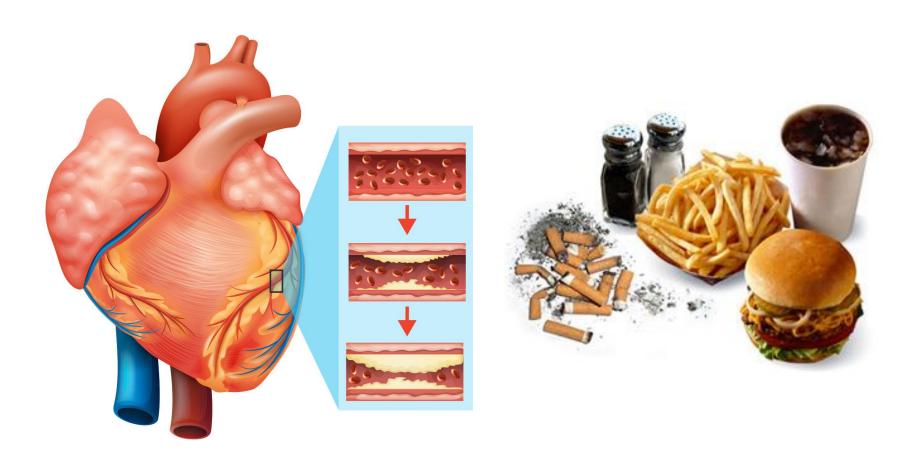
Is the OHCA Population the Same in Every Country?



What drives differences between OHCA Populations?

- Modifiable Patient Factors
- Area-Level Response to an Emergency Event
- Methods of Case Ascertainment
- Patient Selection
- Resuscitation (or not)
- Rescuer Influence
- The Research Question

Modifiable Patient Factors



Area-Level Response to an Emergency Event



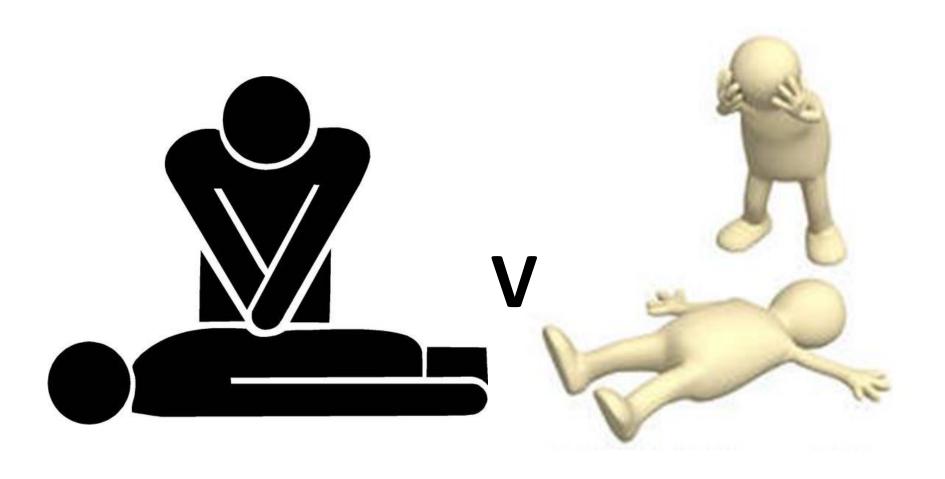
Methods of Case Ascertainment



Patient Selection



Resuscitation (or not)



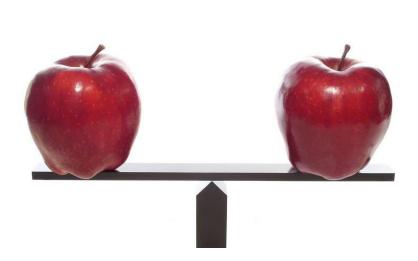
Rescuer Influence

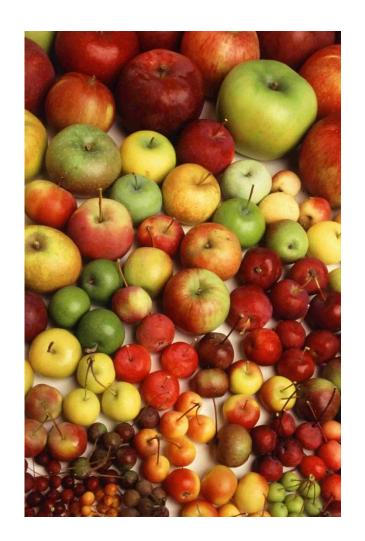


The Research Question



Can We Compare with Confidence?





Metrics and Reporting

metric

/'metrik/

1. TECHNICAL

a system or standard of measurement.



Resuscitation



journal homepage: www.elsevier.com/locate/resuscitation

Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports: Update of the Utstein Resuscitation Registry Templates for Out-of-Hospital Cardiac Arrest



A Statement for Healthcare Professionals From a Task Force of the International Liaison Committee on Resuscitation (American Heart Association, European Resuscitation Council, Australian and New Zealand Council on Resuscitation, Heart and Stroke Foundation of Canada, InterAmerican Heart Foundation, Resuscitation Council of Southern Africa, Resuscitation Council of Asia); and the American Heart Association Emergency Cardiovascular Care Committee and the Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation*.

Gavin D. Perkins, Ian G. Jacobs¹, Vinay M. Nadkarni, Robert A. Berg, Farhan Bhanji, Dominique Biarent, Leo L. Bossaert, Stephen J. Brett, Douglas Chamberlain, Allan R. de Caen, Charles D. Deakin, Judith C. Finn, Jan-Thorsten Gräsner, Mary Fran Hazinski, Taku Iwami, Rudolph W. Koster, Swee Han Lim, Matthew Huei-Ming Ma, Bryan F. McNally, Peter T. Morley, Laurie J. Morrison, Koenraad G. Monsieurs, William Montgomery, Graham Nichol, Kazuo Okada, Marcus Eng Hock Ong, Andrew H. Travers, Jerry P. Nolan, for the Utstein Collaborators

Utstein Data Elements



Fig. 1. Data element domains. Core and supplemental elements are shown for each of the 5 domains. AED indicates automated external defibrillator; BP, blood pressure; CPR, cardiopulmonary resuscitation; DNAR, do not attempt resuscitation; ECMO, extracorporeal membrane oxygenation; IABP, intra-aortic balloon pump; ROSC, return of spontaneous circulation; STEMI, ST-segment-elevation myocardial infarction; and temp, temperature.

DISCUSSION

Question One

What is the OHCA POPULATION OF INTEREST in your country?

Question Two

What SUBGROUP of the OHCA Population should be reported on internationally?

Question Three

You have been asked to design a one-page OHCA report.

What are the DATA ELEMENTS that you would consider essential to include FOR YOUR COUNTRY?

Population Metrics and Reporting

- 1. What is the OHCA POPULATION OF INTEREST in your country?
- 2. What SUBGROUP of the OHCA Population should be reported on internationally?
- 3. You have been asked to design a one-page OHCA report. What are the DATA ELEMENTS that you would consider essential to include FOR YOUR COUNTRY?