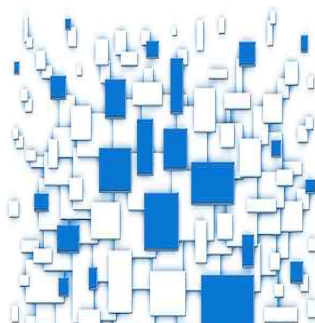


ESICM 2014: What Do ICUs in Research Networks Have in Common?



Most published large critical care studies are conducted through national or international critical care research networks. But what are the characteristics of ICUs belonging to these networks? The Health Services Research and Outcomes (HSRO) section of the European Society of Intensive Care Medicine (ESICM) set out to answer this question. Typically such ICUs are situated in public and teaching hospitals. Most are organised as closed units and have an intensivist present at night. ICU volume is associated with intensivist staffing model and presence of a multidisciplinary ICU round.

Professor Bertrand Guidet, France, outlined the findings at the European Society of Intensive Care Medicine (ESICM) congress in Barcelona this month.

Participants

- AMIBnet (Brazil)
- ANZICS CTG (Australia, New Zealand)
- ARDSNet (USA)
- ASDI (Austria)
- AZURéa (France)
- CCCTG (Canada)
- CCCCTG (China)
- BRICNET (Brazil)
- CUBRÉa (France)
- EDUSEPSIS (Spain)
- GiVITI (Italy)
- InFACT
- NICE (Netherlands)
- OUTCOMERéa (France)
- PROSAFE (Hungary, Poland, Slovenia, Cyprus, Greece and Israel)
- REVA (France and Switzerland)
- SCCTG (Denmark, Finland, Iceland, Norway, Sweden)
- SEPNET (Germany)
- UK trial group
- USCIIITG CIOS group (USA)

Results

| | N | % |
|--|-----|------|
| Closed ICU model | 339 | (88) |
| Presence of an intensivist involved in bedside care at night | 271 | (70) |
| Presence of computerised physician order entry | 237 | (61) |
| Presence of an electronic medical record | 248 | (64) |
| Multidisciplinary ICU round | 282 | (73) |

80% of responding ICUs were located in teaching and/or public hospitals. One-third treat more than 1,000 patients a year. ICU volume is associated with intensivist staffing model and presence of a multidisciplinary ICU round.

ICU volume and organisational factors

| | p |
|---------------------------------|---------|
| Closed ICU model staffing | <0.0002 |
| Multidisciplinary round | <0.002 |
| Medical record reporting system | <0.001 |

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