**Additional file 1**

Table S1 Search strategy (PubMed)

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| --- | --- | --- |
| **Set#** | **Search string** | **Results** |
| 1 | ethics[mh] OR "ethics, research"[mh] OR "legislation as topic"[mh] OR “informed consent"[mh] OR "patient rights"[mh] OR "confidentiality"[mh] OR "privacy"[mh] OR “social discrimination”[mh] OR ethic\*[tiab] OR moral\*[tiab] OR legal\*[tiab] OR discrimination\*[tiab] | 569 166 |
| 2 | "observational studies as topic"[mh] OR "datasets as topic"[mh] OR "databases as topic"[mh] OR "registries"[mh] OR database\*[tiab] OR dataset\*[tiab] OR registry[tiab] OR “big data”[tiab] OR “data collection”[tiab] | 617 012 |
| 3 | "out-of-hospital cardiac arrest"[mh] OR "death, sudden, cardiac"[mh] OR "cardiopulmonary Resuscitation"[mh] OR "arrhythmias, cardiac/complications"[mh] OR cardiac arrest\*[tiab] OR heart arrest\*[tiab] OR sudden cardiac death\*[tiab] OR sudden death\*[tiab] OR cardiopulmonary arrest\*[tiab] OR cardiopulmonary resuscitation\*[tiab] OR asystole\*[tiab] | 102 831 |
| 4 | "emergencies"[mh] OR "critical care"[mh] OR "evidence-based emergency medicine"[mh] OR “emergency medicine"[mh] | 99 954 |
| 5a | (#1 AND #2 AND #3) AND (English[Language]) | 184 |
| 5b | (#1 AND #2 AND #4) AND (English[Language]) | 207 |