

## Supplementary Material S1: Search Strategy

Database	Search Strategy
<b>Medline</b>	<ol style="list-style-type: none"> <li>1. OHCA.tw. or exp Out-of-Hospital Cardiac Arrest/</li> <li>2. (out of hospital or out-of-hospital).tw.</li> <li>3. exp Heart Arrest/ or (((heart or cardiac or cardiopulmonary or circulat* or ventricular or sudden) adj3 (arrest or death or standstill or asystole*))).tw.</li> <li>4. 2 and 3</li> <li>5. 1 or 4</li> <li>6. drone*.tw.</li> <li>7. ((unmanned or automat* or remote or remote-control* or robot* or mechani* or technolog*) adj3 (((aerial or airborne or flying or piloted) adj3 (vehicle? or device? or craft? or system? or network?)) or aircraft? or quadcopters?)).tw.</li> <li>8. (robot* or machine* or technolog*).tw. or exp Technology/ or exp Aircraft/</li> <li>9. ((deliver* or dispatch* or access* or deploy*) adj3 (AED* or defibrillator* or BLS* or basic life support*))).tw.</li> <li>10. (pre-hospital or prehospital or ambulance? or emergency medical service? or EMS or emergency response system? or rescue or life saving).tw. or exp Emergency Medical Services/ or Disaster Medicine/</li> <li>11. 6 or 7</li> <li>12. 9 or 10</li> <li>13. 8 and 12</li> <li>14. 11 or 13</li> <li>15. 5 and 14</li> </ol>
<b>EMBASE</b>	<ol style="list-style-type: none"> <li>1. 'ohca':ab,ti OR 'out-of-hospital cardiac arrest'/exp</li> <li>2. 'out of hospital':ab,ti OR 'out-of-hospital':ab,ti</li> <li>3. 'heart arrest'/exp OR (((heart or cardiac OR cardiopulmonary OR circulat* OR ventricular OR sudden) NEAR/3 (arrest OR death OR standstill OR asystole*)):ab,ti)</li> <li>4. #2 AND #3</li> <li>5. #1 OR #4</li> <li>6. 'drone':ab,ti OR 'unmanned aerial vehicle'/exp</li> <li>7. (('unmanned' OR 'automat*' OR 'remote' OR 'remote-control*' OR 'robot*' OR 'mechanic*' OR 'technolog*') NEAR/3 ('aircraft*')):ab,ti</li> <li>8. (('unmanned' OR 'automat*' OR 'remote' OR 'remote-control*' OR 'robot*' OR 'mechanic*' OR 'technolog*') NEAR/3 ('aerial' or 'airborne' or 'flying' or 'piloted') NEAR/3 ('vehicle?' OR 'device?' OR 'craft?' OR 'system?' OR 'network?')):ab,ti</li> <li>9. ('robot*' OR 'machine' OR 'technolog*'):ab,ti OR 'robot'/exp OR 'robotics'/exp OR 'aircraft'/exp OR 'quadcopter'/exp</li> <li>10. ('deliver*' OR 'dispatch*' OR 'access*' OR 'deploy*'):ab,ti AND ('aed*' OR 'defibrillat*' OR 'bls*' OR 'basic life support'):ab,ti</li> <li>11. ('prehospital' OR 'pre-hospital' OR 'emergency medical service*' OR 'EMS' OR 'emergency response system' OR 'rescue' OR 'life saving'):ab,ti OR 'emergency health service'/exp OR 'disaster medicine'/de</li> <li>12. #6 OR #7 OR #8</li> <li>13. #10 OR #11</li> </ol>

	14. #9 AND #13 15. #12 OR #14 16. #5 AND #15
<b>COCHRANE</b>	1. OHCA:ab, ti 2. MeSH descriptor: [Out-of-Hospital Cardiac Arrest] explode all trees 3. (out-of-hospital or out-of-hospital):ab,ti 4. MeSH descriptor: [Heart Arrest] explode all trees 5. ((heart or cardiac or cardiopulmonary or circular* or ventricular or sudden) NEAR/3 (arrest or death or standstill or asystole*)):ab,ti 6. #3 and (#4 or #5) 7. (#1 and #2) or #6 8. drone:ab,ti 9. ((unmanned or automat* or remote or remote-control* or robot* or mechani* or technolog*) NEAR/3 ((aerial or airborne or flying or piloted) NEAR/3 (vehicle? Or device? Or craft? Or system? Or network?)):ab,ti 10. (robot* or machine* or technolog*):ab,ti 11. MeSH descriptor: [Technology] explode all trees 12. MeSH descriptor: [Aircraft] explode all trees 13. #10 OR #11 OR #12 14. ((deliver* or dispatch* or access* or deploy*) adj3 (AED* or defibrillator* or BLS* or basic life support*)):ab,ti 15. (pre-hospital or prehospital or ambulance? or emergency medical service? Or EMS or emergency response system? or rescue or life saving:ab,ti 16. MeSH descriptor: [Emergency Medical Services] explode all trees 17. MeSH descriptor: [Disaster Medicine] explode all trees 18. #14 OR #15 OR #16 OR #17 19. #8 OR #9 20. #13 AND #18 21. #19 OR #20 22. #7 AND #21
<b>PSYCINFO</b>	1. OHCA.tw. 2. (out of hospital or out-of-hospital).tw. 3. exp Heart Disorders/ or ((heart or cardiac or cardiopulmonary or circula* or ventricular or sudden) adj3 (arrest or death or standstill or asystole*)).tw. 4. 2 and 3 5. 1 or 4 6. drone*.tw. 7. ((unmanned or automat* or remote or remote-control* or robot* or mechani* or technolog*) adj3 (((aerial or airborne or flying or piloted) adj3 (vehicle? or device? or craft? or system? or network?)) or aircraft? Or quadcopter?)).tw. 8. (robot* or machine* or technolog*).tw. or exp Technology/ or exp Aircraft/ 9. ((deliver* or dispatch* or access* or deploy*) adj3 (AED* or defibrillator* or BLS* or basic life support*)).tw. 10. (pre-hospital or prehospital or ambulance? or emergency medical service? or EMS or emergency response system? or rescue or life saving).tw. or exp Emergency Services/ or Disaster Medicine/

	11. 6 or 7 12. 9 or 10 13. 8 and 12 14. 11 or 13 15. 5 and 14
<b>SCOPUS</b>	1. ohca OR "out-of-hospital cardiac arrest" OR ("out of hospital" or "out-of-hospital" AND ((heart OR cardiac OR cardiopulmonary OR circulat* OR ventricular OR sudden) W/3 (arrest OR death OR standstill OR asystole*))) - AND - 2. drone* OR ((unmanned or automat* or remote or remote-control* or robot* or mechani* or technolog*) W/3 (((aerial or airborne or flying or piloted) W/3 (vehicle or device or craft or system or network)) or aircraft or quadcopter)) OR ((deliver* or dispatch* or access* or deploy*) W/3 (AED* or defibrillator* or BLS* or "basic life support*")) OR ((pre-hospital or prehospital or ambulance or "emergency medical service" or EMS or "emergency response system" or rescue or "life saving") or "Emergency Medical Services" or "Disaster Medicine" AND ((robot* or machine* or technolog*) or Technology or Aircraft))