**Appendix A: Search Strategy for Embase**

**Database: Embase Classic+Embase <1947 to 2018 April 25>  
Search Strategy:**--------------------------------------------------------------------------------  
1     (door adj3 (ECG or EKG or electrocardiog\*)).tw,kw. (149)  
2     (arrival adj3 (ECG or EKG or electrocardiog\*)).tw,kw. (178)  
3     (D2E or D2ECG or D2EKG).tw,kw. (24)  
4     or/1-3 (328)  
5     ST segment elevation myocardial infarction/di (1792)  
6     thorax pain/di [Diagnosis] (2726)  
7     chest pain.ti. (9473)  
8     heart infarction/di [Diagnosis] (19446)  
9     acute coronary syndrome/di [Diagnosis] (3674)  
10     (stemi or (st adj2 elevation)).ti. (20052)  
11     or/5-10 (52459)  
12     emergency ward/ or emergency health service/ (188537)  
13     (emergency department\* or emergency room\*).tw. (133922)  
14     12 or 13 (226849)  
15     electrocardiography/ or electrocardiogram/ (263387)  
16     (ECG or EKG or electrocardiog\*).ti. (50815)  
17     15 or 16 (269689)  
18     time to treatment/ or \*time/ or time.tw. (3711549)  
19     11 and 14 and 17 and 18 (695)  
20     4 or 19 (946)  
21     intervention study/ (36167)  
22     (intervention\* or implement\*or strateg\*).tw,kw. (1134724)  
23     total quality management/ or quality improvement.tw. (64809)  
24     (fast track or expedit\* or improv\*).tw. (2909735)  
25     (triage protocol or triage process).tw. (557)  
26     continuing education/ or education\*.tw. (634534)  
27     or/21-26 (4171392)  
**28     20 and 27 (597)**