Supplementary Material 1. Ottawa COPD Risk Scale to identify emergency department patients with acute COPD at high risk for serious short-term outcomes.

Total the points for the following items:		
Item		**Point**
1. Initial assessment		
a) History of CABG	(1)	
b) History of intervention for PVD	(1)	
c) History of intubation for respiratory distress	(2)	
d) HR on ED arrival ≥110 beats/min	(2)	
2. Investigation		
a) ECG has acute ischemic changes	(2)	
b) Chest x-ray has any pulmonary congestion	(1)	
c) Hemoglobin <100 g/L	(3)	
d) Urea ≥12 mmol/L	(1)	
e) Serum CO_2 ≥35 mmol/L	(1)	
3. Reassessment after ED treatment		
a) SaO_2 <90% on room air or usual O_2 or HR ≥120 beats/min	(2)	
Total score (range, 0–16):		

COPD risk categories for serious adverse events

Total score	Risk (%)	Category
0	2.2	Low
1	4.0	Medium
2	7.2	Medium
3	12.5	High
4	20.9	High
5	32.9	Very high
6	47.5	Very high
7	62.6	Very high
8	75.6	Very high
10	91.4	Very high

No patients have had a score greater than 10.

COPD, chronic obstructive pulmonary disease; CABG, coronary artery bypass graft; PVD, peripheral vascular disease; HR, heart rate; ED, emergency department; ECG, electrocardiogram; SaO_2, oxygen saturation