

## e-Appendix 1

### Search strategy

MEDLINE database search: Ovid MEDLINE(R) 1980 to May 2016 (adapted for use with Embase)

1	exp Pulmonary Disease, Chronic Obstructive/
2	Lung Diseases, Obstructive/
3	COPD.tw.
4	COAD.tw.
5	COBD.tw.
6	AECB.tw.
7	emphysema\$.tw.
8	(chronic\$ adj3 bronchiti\$).tw.
9	(obstruct\$ adj3 (pulmonary or lung\$ or airway\$ or airflow\$ or bronch\$ or respirat\$)).tw.
10	((lung or respiratory or ventilatory) adj3 function).tw.
11	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10
12	Stroke, Lacunar/ or exp Stroke/
13	stroke.tw.
14	CVA.tw.
15	TIA.tw.
16	(cerebrovascular adj3 (disease or event\$ or accident\$ or attack\$ or injur\$)).tw.
17	cerebral isch?emia.tw.
18	transient isch?emic attack\$.tw.
19	12 or 13 or 14 or 15 or 16 or 17 or 18
20	11 and 19