## **Supplementary Material**

## Appendix 1: Allergy search terms for safety database

- 1. "rash"
- 2. "hives"
- 3. "hive"
- 4. "urticaria"
- 5. "angioedema"
- 6. "angiedema"
- 7. "swollen tongue"
- 8. "allergic"
- 9. "allergy"
- 10. "pruritis"
- 11. "pruritus"
- 12. "itchiness"
- 13. "itchy"
- 14. "itchiness"
- 15. "itching"
- 16. "bronchospasm"
- 17. "bronchial"
- 18. "blocked chest"
- 19. "wheeze"
- 20. "wheezing"
- 21. "tightness chest"
- 22. "tight chest"
- 23. "difficulty breathing"
- 24. "shortness of breath"
- 25. "short of breath"
- 26. "sob"
- 27. "respiratory distress"
- 28. "dypsnoea"
- 29. "dyspnea"
- 30. "difficulty in breathing"
- 31. "diffculty breathing"
- 32. "diffculting breathing"
- 33. "diffcalty breathing"
- 34. "difficalty breathing"