**Additional file 1: Ovid Embase Search Strategy**

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| **Interventions**  | **Outcomes** |
| 1. agriculture/2. agricultur$.ti,ab.3. livestock/4. livestock$.ti,ab.5. animal husbandry/6. (animal adj1 husbandry$).ti,ab.7. (vegetable adj1 garden$).ti,ab.8. (vegetable adj1 plot$).ti,ab.9. (home adj1 garden$).ti,ab.10. biogas/11. (bio-gas or (bio adj1 gas) or biogas$).ti,ab.12. stove$.ti,ab.13. (cook$ adj1 stove$).ti,ab.14. (fire adj1 stove$).ti,ab.15. (improved adj1 stove$).ti,ab.16. water management/17. (water adj1 (purification or management)).ti,ab.18. nutrition education/19. (nutrition adj1 education).ti,ab.20. farming.ti,ab.21. or/1-20 | 22. (food adj1 insecurity).ti,ab. or food insecurity/23. (nutritional adj1 status).ti,ab.24. nutritional assessment/ or food intake/ or dietary intake/ or nutritional status/25. (diet$ adj1 diversity).ti,ab.26. (food adj1 consumption).ti,ab.27. lung disease/ or asthma/ or respiratory tract disease/ or lung function/ or chronic obstructive lung disease/28. (respiratory adj1 health).ti,ab.29. particulate matter/ or indoor air pollution/ or air quality/ or air pollutant/30. (indoor adj1 air adj1 (qualit$ or pollution)).ti,ab.31. food security/32. (food adj1 security).ti,ab.33. (food adj1 production).ti,ab.34. (water adj3 quality).ti,ab. or water quality/35. (water adj1 pollution).ti,ab.36. (soil adj1 (quality$ or pollution)).ti,ab. or soil pollution/ or soil quality/37. (diarrhoea or diarrhea).ti,ab. or diarrhea/38. or/22-37 |
| **Study design** | **Inclusion and exclusion criteria** |
| 39. Intervention$.ti,ab. or intervention study/40. follow up/ or (Follow adj3 stud$).ti,ab.41. program evaluation/42. ((Program or programme) adj1 evaluation).ti,ab.43. (Experimental adj1 group$).ti,ab.44. (Comparative adj1 stud$).ti,ab. or comparative study/45. (control$ adj1 (trial$ or stud$)).ti,ab.46. (Before adj1 after adj1 study).ti,ab.47. exp "randomized controlled trial (topic)"/48. ((randomized or randomised) adj1 control$ adj1 trial$).ti,ab.49. controlled study/50. or/39-4951. 21 and 38 and 50 | 52. exp animals/ not humans/53. 51 not 5254. (comment$ or conference$ or letter or editorial or review).pt.55. 53 not 5456. (high adj1 income adj1 country).ti,ab.57. exp developed country/ or (developed adj1 countr$).ti,ab.58. 56 or 5759. 55 not 5860. (systematic adj1 review$).ti,ab.61. (meta adj1 analysis).ti,ab.62. (literature adj1 review$).ti,ab.63. or/60-6264. 59 not 6365. HIV.ti,ab. or exp Human immunodeficiency virus/66. pregnanc$.ti,ab. or exp pregnancy/67. exp hypertension/ or hypertension.ti,ab.68. stroke.ti,ab. or exp cerebrovascular accident/69. exp cardiovascular disease/70. malaria.ti,ab. or exp malaria/71. or/65-7072. 64 not 7173. exp rat/ or rat$.ti,ab.74. mouse.ti,ab. or exp mouse/75. 73 or 7476. 72 not 75 |