

S1: Detailed search strings used in each database

The yellow string should be replaced by each of the 15 pathogenic agents included in this systematic review. The corresponded search strings for those are included in Table 1 as “Keyword and/or string searched”.

PubMed:

(pig*[Title/Abstract] OR swine[Title/Abstract] OR sow[Title/Abstract] OR porcine[Title/Abstract] OR hog[Title/Abstract]) AND (KEYWORDS)[Title/Abstract] AND (on-farm[Title/Abstract] OR on farm[Title/Abstract] OR pre-harvest[Title/Abstract] OR herd[Title/Abstract] OR transport[Title/Abstract] OR movement)[Title/Abstract] AND (biosecurity[Title/Abstract] OR biocontainment[Title/Abstract] OR vaccin*[Title/Abstract] OR clean*[Title/Abstract] OR disinfect*[Title/Abstract] OR wash*[Title/Abstract] OR antibiotic[Title/Abstract] OR antimicrobial*[Title/Abstract] OR anti-parasitic*[Title/Abstract] OR deworm*[Title/Abstract] OR worm* anti-helminth*[Title/Abstract] OR feed*[Title/Abstract] OR feed* strateg*[Title/Abstract] OR feed* practic*[Title/Abstract] OR feed form[Title/Abstract] OR particle size[Title/Abstract] OR water[Title/Abstract] OR acid*[Title/Abstract] OR feed* additive*[Title/Abstract] OR feed* supplement*[Title/Abstract] OR eradicat*[Title/Abstract] OR eliminat*[Title/Abstract] OR control*[Title/Abstract] OR hygien*[Title/Abstract] OR manage*[Title/Abstract] OR husbandry)[Title/Abstract]

Web of knowledge:

1. Title searches

(TI=((pig* OR swine OR sow OR porcine OR hog) AND KEYWORDS AND (on-farm OR on farm OR pre-harvest OR herd OR transport OR movement) AND (biosecurity OR biocontainment OR vacc in* OR clean* OR disinfect* OR wash* OR antibiotic OR antimicrobial* OR anti-parasitic* OR deworm* OR worm* anti-helmin* OR feed* OR feed* strateg* OR feed* practic* OR feed form OR particle size OR water OR acid* OR feed* additive* OR feed* supplement* OR eradicat* OR eliminat* OR control* OR hygien* OR manage* OR husbandr y)))

2. Abstract searches

(AB=((pig* OR swine OR sow OR porcine OR hog) AND KEYWORDS AND (on-farm OR on farm OR pre-harvest OR herd OR transport OR movement) AND (biosecurity OR biocontainment OR vacc in* OR clean* OR disinfect* OR wash* OR antibiotic OR antimicrobial* OR anti-parasitic* OR deworm* OR worm* anti-helmin* OR feed* OR feed* strateg* OR feed* practic* OR feed form OR particle size OR water OR acid* OR feed* additive* OR feed* supplement* OR eradicat* OR eliminat* OR control* OR hygien* OR manage* OR husbandr y)))