**SUPPLEMENTARY MATERIAL**

**Search strategies and results**

**Supplementary Table S1a: Summary of Databases Searched**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table** | **Vendor/ Interface** | **Database** | **Date searched** | **Database update** | **Searcher(s)** |
| 1a | Ovid  | Medline® | 12/7/2015 | 1In-Process and Other Non-Indexed Citations; Daily; 1946 to Present | Helena M. VonVille; Tasnuva Rashid |
| 1b | National Library of Medicine | PubMed | 12/7/2015 | 12/7/2015 | Helena M. VonVille; Tasnuva Rashid |
| 1c | Ovid | EMBASE® | 12/14/2015 | Embase Classic+Embase 1947 to 2015 December 11 | Helena M. VonVille; Tasnuva Rashid |

**Supplementary Table S1b: Ovid Medline® search strategy**

**Provider/Interface** Ovid

**Database** Medline®

**Date searched** 12/7/2015

**Database update** In-Process and Other Non-Indexed Citations; Daily; 1946 to Present

**Search developer(s)** Helena M. VonVille; Tasnuva Rashid

**Limit to English?** Yes

|  |  |
| --- | --- |
| 1 | exp Bacteria/  |
| 2 | exp Viruses/  |
| 3 | (bacteria or bacterial or coli or diff or clostridium or Bacillus or Actinobacteria).ti,ab,kw.  |
| 4 | exp bacterial infections/ or exp mycoses/ or exp virus diseases/  |
| 5 | (fungi or fungus or microorganism\* or spore or spores or virus\* or viral).ti,ab,kw.  |
| 6 | 1 or 2 or 3 or 4 or 5  |
| 7 | fomites/ or disease vectors/  |
| 8 | (fomite\* or vector\*).ti,ab,kw.  |
| 9 | (contaminated and (carpet\* or dust or floor or flooring or floors or object\* or surface\*)).ti,ab,kw.  |
| 10 | (apparel or clothes or clothing or necktie\* or "man's tie" or "men's ties" or shoe or shoes or sleeves).ti,ab,kw.  |
| 11 | cell phones/ or clothing/ or nails/ or Shoes/ or Stethoscopes/ or ventilation/  |
| 12 | (cell phone\* or environmental reservoir\* or fingernail\* or jewelry or mobile phone\* or purse\* or stethoscope\* or ventilation or wedding ring or wedding rings or watches).ti,ab,kw.  |
| 13 | 7 or 8 or 9 or 10 or 11 or 12  |
| 14 | 6 and 13  |
| 15 | disease transmission, infectious/ or infectious disease transmission, patient-to-professional/ or infectious disease transmission, professional-to-patient/  |
| 16 | Aerosols/  |
| 17 | ((aerosol or aerosols or airborne or droplet\* or direct or indirect or inhalation or mechanical or non-conventional) and (dispersal or dispersion or dissemination or route or routes or transmission or transmitted)).ti,ab,kw.  |
| 18 | (aerosolization or "mode of transmission" or "modes of transmission" or persistence or reaerosolization or resuspension).ti,ab,kw.  |
| 19 | 15 or 16 or 17 or 18  |
| 20 | 14 and 19  |
| 21 | (20 and humans/) or (20 not animals/)  |
| 22 | 21 and english.la.  |

**Supplementary Table S1c: PubMed search strategy**

**Provider/Interface** National Library of Medicine

**Database** PubMed

**Date searched** 12/7/2015

**Database update** 12/7/2015

**Search developer(s)** Helena M. VonVille; Tasnuva Rashid

**English only?** Yes

|  |  |
| --- | --- |
| 1 | Bacteria[mesh]  |
| 2 | Viruses[mesh]  |
| 3 | (bacteria[tiab] OR bacterial[tiab] OR coli[tiab] OR diff[tiab] OR clostridium[tiab] OR Bacillus[tiab] OR Actinobacteria[tiab]) |
| 4 | bacterial infections[mesh] OR mycoses[mesh] OR virus diseases[mesh]  |
| 5 | (fungi[tiab] OR fungus[tiab] OR microorganism\*[tiab] OR spore[tiab] OR spores[tiab] OR virus\*[tiab] OR viral[tiab]) |
| 6 | #1 OR #2 OR #3 OR #4 OR #5  |
| 7 | fomites[mesh:noexp] OR disease vectors[mesh:noexp]  |
| 8 | (fomite\*[tiab] OR vector\*[tiab]) |
| 9 | (contaminated[tiab] AND (carpet\*[tiab] OR dust[tiab] OR floor[tiab] OR flooring[tiab] OR floors[tiab] OR object\*[tiab] OR surface\*[tiab])) |
| 10 | (apparel[tiab] OR clothes[tiab] OR clothing[tiab] OR necktie\*[tiab] OR "man's tie"[tiab] OR "men's ties"[tiab] OR shoe[tiab] OR shoes[tiab] OR sleeves[tiab]) |
| 11 | cell phones[mesh:noexp] OR clothing[mesh:noexp] OR nails[mesh:noexp] OR Shoes[mesh:noexp] OR Stethoscopes[mesh:noexp] OR ventilation[mesh:noexp]  |
| 12 | (cell phone\*[tiab] OR environmental reservoir\*[tiab] OR fingernail\*[tiab] OR jewelry[tiab] OR mobile phone\*[tiab] OR purse\*[tiab] OR stethoscope\*[tiab] OR ventilation[tiab] OR wedding ring[tiab] OR wedding rings[tiab] OR watches[tiab]) |
| 13 | #7 OR #8 OR #9 OR #10 OR #11 OR #12  |
| 14 | #6 AND #13  |
| 15 | disease transmission, infectious[mesh:noexp] OR "infectious disease transmission, patient-to-professional"[mesh:noexp] OR "infectious disease transmission, professional-to-patient"[mesh:noexp]  |
| 16 | Aerosols[mesh:noexp]  |
| 17 | ((aerosol[tiab] OR aerosols[tiab] OR airborne[tiab] OR droplet\*[tiab] OR direct[tiab] OR indirect[tiab] OR inhalation[tiab] OR mechanical[tiab] OR non-conventional[tiab]) AND (dispersal[tiab] OR dispersion[tiab] OR dissemination[tiab] OR route[tiab] OR routes[tiab] OR transmission[tiab] OR transmitted[tiab])) |
| 18 | (aerosolization[tiab] OR "mode of transmission"[tiab] OR "modes of transmission"[tiab] OR persistence[tiab] OR reaerosolization[tiab] OR resuspension[tiab]) |
| 19 | #15 OR #16 OR #17 OR #18  |
| 20 | #14 AND #19  |
| 21 | (#20 AND humans[mesh:noexp]) OR (#20 NOT animals[mesh:noexp])  |
| 22 | #21 AND english[la] |

**Supplementary Table S1d: Ovid EMBASE**® **search strategy**

**Provider/Interface** Ovid

**Database** EMBASE

**Date searched** 12/14/2015

**Database update** Embase Classic+Embase 1947 to 2015 December 11

**Search developer(s)** Helena M. VonVille; Tasnuva Rashid

**English only?** Yes

|  |  |
| --- | --- |
| 1 | exp bacteria/ |
| 2 | exp viruses/ |
| 3 | (bacteria or bacterial or coli or diff or clostridium or Bacillus or Actinobacteria).ti,ab,kw. |
| 4 | exp bacterial infection/ or exp mycosis/ or exp virus infection/ |
| 5 | (fungi or fungus or microorganism\* or spore or spores or virus\* or viral).ti,ab,kw. |
| 6 | 1 or 2 or 3 or 4 or 5 |
| 7 | fomite/ or disease vector/ |
| 8 | (fomite\* or vector\*).ti,ab,kw. |
| 9 | (contaminated and (carpet\* or dust or floor or flooring or floors or object\* or surface\*)).ti,ab,kw. |
| 10 | (apparel or clothes or clothing or necktie\* or "man's tie" or "men's ties" or shoe or shoes or sleeves).ti,ab,kw. |
| 11 | mobile phone/ |
| 12 | nail/ or finger nail/ |
| 13 | clothing/ or jewelry/ or shoe/ |
| 14 | stethoscope/ or stethoscope head/ |
| 15 | (cell phone\* or environmental reservoir\* or fingernail\* or jewelry or mobile phone\* or purse\* or stethoscope\* or ventilation or wedding ring or wedding rings or watches).ti,ab,kw. |
| 16 | room ventilation/ |
| 17 | 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 |
| 18 | 6 and 17 |
| 19 | disease transmission/ or bacterial transmission/ or virus transmission/ |
| 20 | Aerosol/ |
| 21 | ((aerosol or aerosols or airborne or droplet\* or direct or indirect or inhalation or mechanical or non-conventional) and (dispersal or dispersion or dissemination or route or routes or transmission or transmitted)).ti,ab,kw. |
| 22 | (aerosolization or "mode of transmission" or "modes of transmission" or persistence or reaerosolization or resuspension).ti,ab,kw. |
| 23 | 19 or 20 or 21 or 22 |
| 24 | 18 and 23 |
| 25 | (24 and human/) or (24 not nonhuman/) |
| 26 | 25 not medline.cr. |
| 27 | 26 not conference.pt. |
| 28 | limit 27 to english language |