**Supplemental File 3 – Detailed Search Strategies for Web of Science, Embase, MEDLINE, PubMed and CINAHL**

**Web of Science**

**Search History:**

| Set | Results | | | |
|---|---|---|---|---|
| | | | Save History / Create Alert | Open Saved History |
| #7 | 1,027 | #6 AND #5 AND #4 <br> *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=1995-2019* | | |
| #6 | 9,703,534 | TS=(systems OR network OR tool OR communication OR notification OR "information exchange") <br> *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=1995-2019* | | |
| #5 | 806,837 | TS=(international OR multi-state OR multi-country OR imported OR exported) <br> *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=1995-2019* | | |
| #4 | 32,199 | #3 OR #2 OR #1 <br> *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=1995-2019* | | |
| #3 | 26,514 | TS=("food safety" OR "food contamination" OR "foodborne diseases") <br> *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=1995-2019* | | |
| #2 | 1,793 | TS=(gastroenteritis NEAR/5 (incident* OR emergenc* OR outbreak*)) <br> *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=1995-2019* | | |
| #1 | 5,547 | TS=(food* NEAR/5 (incident* Or emergenc* OR outbreak*)) <br> *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=1995-2019* | | |

**Embase and MEDLINE**

| # ▲ | Searches | Results |
|---|---|---|
| 1 | ▶ (food* adj5 incident*).af. | 983 |
| 2 | ▶ (food* adj5 emergenc*).af. | 5617 |
| 3 | ▶ (food* adj5 outbreak*).af. | 8825 |
| 4 | ▶ (gastroenteritis adj5 incident*).af. | 54 |
| 5 | ▶ (gastroenteritis adj5 emergenc*).af. | 1206 |
| 6 | ▶ (gastroenteritis adj5 outbreak*).af. | 4424 |
| 7 | ▶ ("food safety" or "food contamination" or "foodborne diseases").af. | 156116 |
| 8 | ▶ (international or multi-state or multi-country or imported or exported).af. | 3541525 |
| 9 | ▶ (systems or network or tool or communication or notification or information-exchange).af. | 4810679 |
| 10 | ▶ 1 or 2 or 3 | 15272 |
| 11 | ▶ 4 or 5 or 6 | 5640 |
| 12 | ▶ 7 or 10 or 11 | 170450 |
| 13 | ▶ 8 and 9 and 12 | 2835 |
| 14 | ▶ limit 13 to yr="1995 -Current" | 2779 |

### PubMed

| Search | Add to builder | Query | Items found | Time |
|---|---|---|---|---|
| #7 | Add | Search ((((systems OR network OR tool OR communication OR notification OR "information exchange"))) AND ((international OR multi-state OR multi-country OR imported OR exported))) AND ((((("food safety" OR "food contamination" OR "foodborne diseases"))) OR ((gastroenteritis AND (incident* OR emergenc* OR outbreak*)))) OR ((food* AND (incident* Or emergenc* OR outbreak*)))) | 1062 | 10:27:02 |
| #6 | Add | Search (systems OR network OR tool OR communication OR notification OR "information exchange") | 2269385 | 10:26:36 |
| #5 | Add | Search (international OR multi-state OR multi-country OR imported OR exported) | 528235 | 10:26:03 |
| #4 | Add | Search ((((("food safety" OR "food contamination" OR "foodborne diseases"))) OR ((gastroenteritis AND (incident* OR emergenc* OR outbreak*)))) OR ((food* AND (incident* Or emergenc* OR outbreak*))) | 105011 | 10:25:24 |
| #3 | Add | Search ("food safety" OR "food contamination" OR "foodborne diseases") | 74378 | 10:24:58 |
| #2 | Add | Search (gastroenteritis AND (incident* OR emergenc* OR outbreak*)) | 13879 | 10:24:38 |
| #1 | Add | Search (food* AND (incident* Or emergenc* OR outbreak*)) | 26356 | 10:24:21 |

### CINAHL (with proximity operators; syntax: n5)

| Search ID# | Search Terms | Search Options | Actions |
|---|---|---|---|
| S7 | S4 AND S5 AND S6 | Search modes - Find all my search terms | View Results (79)   View Details   Edit |
| S6 | systems OR network OR tool OR communication OR notification OR "information exchange" | Search modes - Find all my search terms | View Results (836,810)   View Details   Edit |
| S5 | international OR multi-state OR multi-country OR imported OR exported | Search modes - Find all my search terms | View Results (125,224)   View Details   Edit |
| S4 | S1 OR S2 OR S3 | Search modes - Find all my search terms | View Results (6,148)   View Details   Edit |
| S3 | "food safety" OR "food contamination" OR "foodborne diseases" | Search modes - Find all my search terms | View Results (5,155)   View Details   Edit |
| S2 | gastroenteritis N5 (incident* OR emergenc* OR outbreak*) | Search modes - Find all my search terms | View Results (417)   View Details   Edit |
| S1 | food* N5 (incident* Or emergenc* OR outbreak*) | Search modes - Find all my search terms | View Results (889)   View Details   Edit |