**Additional file 1: Search Strategies**

Additional file 1.1: MEDLINE complete and CINAHL complete search strategy

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| --- | --- |
| Step 1 | MW “diagnos\* error\*” or MW ”mis\* diagnos\*” or MW “safe\* diagnos\*” or MW “diagnos\* delay\*” or MW “delay\* diagnos\*” |
| Step 2 | “Audit\* next/2 system\*” OR “Audit\* next/2 Program\*” OR “Audit\* near/2 nurs\*” OR “Audit\* near/2 hospital\*” OR “Audit\* near/2 emergency department” OR “Audit\* near/2 clinic\*” OR Intervention\* OR “program\* near/2 evaluation\*” OR “Audit\* model\*” OR “Audit\* record\*” OR “Audit\* practic\*” OR “prevention near/2 diagnostic error\*” |
| Step 3 | Communication\* near/2 strateg\*” OR “system\* strateg\*” OR “decision support\*” |
| Step 4 | 2 or 3 |
| Step 5 | 4 and 1 |

Additional file 1.2: EMBASE search strategy

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| --- | --- |
| Step 1 | MJ 'diagnos\* error\*' OR TI 'diagnos\* error\*' OR AB 'diagnos\* error\*' OR MJ 'mis\* diagnos\*' OR TI 'diagnos\* error\*' OR AB 'diagnos\* error\*' OR MJ 'safe\* diagnos\*' OR TI 'safe\* diagnos\* AB 'safe\* diagnos\*''OR MJ 'diagnos\* delay\*' OR TI 'diagnos\* delay\*' OR AB 'diagnos\* delay\*' OR MJ 'delay\* diagnos\* OR TI 'delay\* diagnos\*' OR AB 'delay\* diagnos\*‘ |
| Step 2 | “Audit\* next/2 system\*” OR “Audit\* next/2 Program\*” OR “Audit\* near/2 nurs\*” OR “Audit\* near/2 hospital\*” OR “Audit\* near/2 emergency department” OR “Audit\* near/2 clinic\*” OR Intervention\* OR “program\* near/2 evaluation\*” OR “Audit\* model\*” OR “Audit\* record\*” OR “Audit\* practic\*” OR “prevention near/2 diagnostic error\*” |
| Step 3 | Communication\* near/2 strateg\*” OR “system\* strateg\*” OR “decision support\*” |
| Step 4 | 2 or 3 |
| Step 5 | 4 and 1 |

Additional file 1.3: PSNet search strategy

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| --- | --- |
| Search phase  | “audit systems communication strategies clinical settings clinician misdiagnosis diagnostic error” |
| Sort by  | Most Recent  |
| Page setting  | Show 100 per page  |
| Resource type  | journal articles and Books/Report  |
| published work between 2017-1990 | Journal Articles – first 80 pages when sorted by 100 per pageBooks/Report – first 5 pages when sorted by 100 per page |

Additional file 1.4: Google Advanced search strategy

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| Search phase  | “Diagnostic error, communication, audit” |
| Published/ unpublished work between 2017-1990 | Hand searched potentially relevant articles |