

Date run	Database	Results
09-May-22	Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed	86
09-May-22	Ovid Embase <1974 to 2022 Week 18>	125
09-May-22	Scopus (Elsevier)	272
09-May-22	The ACM Guide to Computing Literature (ACM digital Library)	1883
09-May-22	IEEE Explore	343
09-May-22	Compendex (Engineering Village - Elsevier)	603
	total results before removal of duplicates	3312

Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations and Daily <1946 to

Syntax Notes: "" indicate a phrase; * indicates truncation; ? Indicates an optional character; adj# indicates proximity; / indicates a subject heading; exp [term]/ indicates an exploded subject heading; search fields are as follows: ti = title, ab=abstract, kf= author supplied keyword, pt = publication type

Notes: a validated search filter for identifying systematic reviews was purposefully omitted. Well known SR filters rely in large part on incorporating search terms related to randomized trials, and randomized trials are not likely to be used for knowledge synthesis reviews on this topic .

#	Searches	Results
1	(PIPEDA or PIPA or PHIPA or HIPAA or FIPPA or PHIA or "personal information protection" or "health information protection" or "Health Insurance Portability and Accountability Act" or "privacy act" or "privacy legislation" or "privacy regulation*" or "privacy law" or "privacy laws" or "data protection act" or "data protection legislation" or "Data Protection Regulation*" or "data protection law" or "data protection laws" or "Data Protection Directive").ti,ab,kf.	6580
2	"Health Insurance Portability and Accountability Act"/ or Privacy/ or Confidentiality/ or Computer Security/	35537
3	(identifi* or identifying or reidentifi* or reidentify* or entity or entities or "personal information" or "protected information" or "sensitive information" or "private information" or "confidential information" or "person level data" or "individual level data" or "name" or named or names or ((personal or home) adj1 (address* or phone or number* or telephone or fax or facsimile)) or "date of birth" or "insurance number*" or "health* information" or (health* adj2 (card? or number*)) or "blood type*" or ((health* or illness or medical or patient) adj2 histor*).ti,ab,kf.	743565
4	or/1-3	778771
5	medical records/ or exp health records, personal/ or exp medical records systems, computerized/ or registries/	215246
6	(data or text* or notes or narrative* or record* or file or files or erecord or EHR or EHRs or script* or transcript* or interview*).ti,ab,kf.	6405427
7	5 or 6	6511533

8	("De identify*" or "de identification" or deidentify* or deidentification or anonymi?ation or anonymi?e or anonymi?ing or (anonymi* adj2 technique*) or ((preserv* or protect*) adj2 (private or privacy)) or ((scrub or scrubbing or mask or masking) adj3 (data or text* or notes or narrative* or record* or file or files or erecord or EHR or EHRs or script* or transcript* or interview*))) .ti,ab,kf.	4802
9	4 and 7 and 8	1977
10	Data Anonymization/	256
11	9 or 10	2122
12	limit 11 to english language	2069
13	(review* or overview* or meta-analy* or metaanaly* or meta-regression* or metaregression* or ((map or mapping or scope or scoping or systematic) and literature) or ((evidence or research) and synthes*) .ti,kf.	768103
14	((review or overview* or map or mapping or scope or scoping or systematic or meta-analy* or metaanaly* or meta-regression* or metaregression*) adj4 literature) or ((evidence or research) adj4 synthes*) .ab.	251760
15	(systematic review or meta-analysis) .pt.	271708
16	meta-analysis/ or systematic review/ or systematic reviews as topic/ or meta-analysis as topic/ or "meta analysis (topic)"/ or "systematic review (topic)"/ or network meta-analysis/	296267
17	13 or 14 or 15 or 16	975442
18	12 and 17	86
19	remove duplicates from 18	86

Embase <1974 to 2022 Week 18>

Syntax Notes: "" indicate a phrase; * indicates truncation; ? Indicates an optional character; adj# indicates proximity; / indicates a subject heading; exp [term]/ indicates an exploded subject heading; search fields are as follows: ti = title, ab=abstract, kw= author supplied keyword

Notes: a validated search filter for identifying systematic reviews was purposefully omitted. Well known SR filters rely in large part on incorporating search terms related to randomized trials, and randomized trials are not likely to be used for knowledge synthesis reviews on this topic .

#	Searches	Results
1	(PIPEDA or PIPA or PHIPA or HIPAA or FIPPA or PHIA or "personal information protection" or "health information protection" or "Health Insurance Portability and Accountability Act" or "privacy act" or "privacy legislation" or "privacy regulation*" or "privacy law" or "privacy laws" or "data protection act" or "data protection legislation" or "Data Protection Regulation*" or "data protection law" or "data protection laws" or "Data Protection Directive").ti,ab,kw.	8418
2	Privacy/ or exp Confidentiality/ or data protection/ or data privacy/ or Computer Security/	51366
3	(identifi* or identifying or reidentifi* or reidentify* or entity or entities or "personal information" or "protected information" or "sensitive information" or "private information" or "confidential information" or "person level data" or "individual level data" or "name" or named or names or ((personal or home) adj1 (address* or phone or number* or telephone or fax or facsimile)) or "date of birth" or "insurance number*" or "health* information" or (health* adj2 (card? or number*)) or "blood type*" or ((health* or illness or medical or patient) adj2 histor*)).ti,ab,kw.	1019091
4	or/1-3	1070371
5	exp health data/ or electronic medical record system/ or exp patient registry/	571075
6	(data or text* or notes or narrative* or record* or file or files or erecord or EHR or EHRs or script* or transcript* or interview*).ti,ab,kw.	8438293
7	5 or 6	8676195
8	("De identify*" or "de identification" or deidentify* or deidentification or anonymi?ation or anonymi?e or anonymi?ing or (anonymi* adj2 technique*) or ((preserv* or protect*) adj2 (private or privacy)) or ((scrub or scrubbing or mask or masking) adj3 (data or text* or notes or narrative* or record* or file or files or erecord or EHR or EHRs or script* or transcript* or interview*))).ti,ab,kw.	5624
9	4 and 7 and 8	2689
10	Anonymization/	478
11	9 or 10	2996
12	limit 11 to english language	2905
13	(review* or overview* or meta-analy* or metaanaly* or meta-regression* or metaregression* or ((map or mapping or scope or scoping or systematic) and literature) or ((evidence or research) and synthes*)).ti,kw.	887089

14	((review or overview* or map or mapping or scope or scoping or systematic or meta-analy* or metaanaly* or meta-regression* or metaregression*) adj4 literature) or ((evidence or research) adj4 syntheses*).ab.	313442
15	systematic review/ or exp meta-analysis/	458130
16	or/13-15	1211748
17	12 and 16	130
18	remove duplicates from 17	125

Scopus

Syntax {} indicates an exact phrase; * indicates truncation; ? Indicates an optional character; W/#

Notes: indicates proximity; search fields are as follows: TITLE = title, ABS=abstract, KEY= author supplied

Search Set	Search String	Results
1	TITLE-ABS-KEY (pipeda OR pipa OR phipa OR hipaa OR fippa OR phia OR {personal information protection} OR {health information protection} OR {Health Insurance Portability and Accountability Act} OR {privacy act} OR {privacy legislation} OR {privacy regulation*} OR {privacy law} OR {privacy laws} OR {data protection act} OR {data protection legislation} OR {Data Protection Regulation*} OR {data protection law} OR {data protection laws} OR {Data Protection Directive} OR indentifi* OR identifying OR reidentifi* OR reidentify* OR entity OR entities OR {personal information} OR {protected information} OR {sensitive information} OR {private information} OR {confidential information} OR {person level data} OR {individual level data} OR "name" OR named OR names OR ((personal OR home) W/1 (address* OR phone OR number* OR telephone OR fax OR facsimile)) OR {date of birth} OR {insurance number*} OR {health* information} OR (health* W/2 (card? OR number*)) OR {blood type*} OR ((health* OR illness OR medical) W/2 histor*))	1,892,275
2	TITLE-ABS-KEY (data OR text* OR notes OR narrative* OR record* OR file OR files OR erecord OR ehr OR ehrr OR script* OR transcript* OR interview*)	18,972,336
3	TITLE-ABS-KEY ({De identify*} OR {de identification} OR deidentify* OR deidentification OR anonymi?ation OR anonymi?e OR anonymi?ing OR (anonymi* W/2 technique*) OR ((preserv* OR protect*) W/2 (private OR privacy)) OR ((scrub OR scrubbing OR mask OR masking) W/3 (data OR text* OR notes OR narrative* OR record* OR file OR files OR erecord OR ehr OR ehrr OR script* OR transcript* OR interview*)))	57,008

4	(TITLE-ABS-KEY (pipeda OR pipa OR phipa OR hipaa OR fippa OR phia OR {personal information protection} OR {health information protection} OR {Health Insurance Portability and Accountability Act} OR {privacy act} OR {privacy legislation} OR {privacy regulation*} OR {privacy law} OR {privacy laws} OR {data protection act} OR {data protection legislation} OR {Data Protection Regulation*} OR {data protection law} OR {data protection laws} OR {Data Protection Directive} OR indentifi* OR identifying OR reidentifi* OR reidentify* OR entity OR entities OR {personal information} OR {protected information} OR {sensitive information} OR {private information} OR {confidential information} OR {person level data} OR {individual level data} OR "name" OR named OR names OR ((personal OR home) W/1 (address* OR phone OR number* OR telephone OR fax OR facsimile)) OR {date of birth} OR {insurance number*} OR {health* information} OR (health* W/2 (card? OR number*)) OR {blood type*} OR ((health* OR illness OR medical) W/2 histor*))) AND (TITLE-ABS-KEY (data OR text* OR notes OR narrative* OR record* OR file OR files OR erecord OR ehr OR ehrr OR script* OR transcript* OR interview*)) AND (TITLE-ABS-KEY ({De identify*} OR {de identification} OR deidentify* OR deidentification OR anonymi?ation OR anonymi?e OR anonymi?ing OR (anonymi* W/2 technique*) OR ((preserv* OR protect*) W/2 (private OR privacy)) OR ((scrub OR scrubbing OR mask OR masking) W/3 (data OR text* OR notes OR narrative* OR record* OR file OR files OR erecord OR ehr OR ehrr OR script* OR transcript* OR interview*)))))	10,415
5	(TITLE ((review* OR overview* OR meta-analy* OR metaanaly* OR meta-regression* OR metaregression* OR ((map OR mapping OR scope OR scoping OR systematic) AND literature) OR ((evidence OR research) AND synthes*))) OR KEY ((review* OR overview* OR meta-analy* OR metaanaly* OR meta-regression* OR metaregression* OR ((map OR mapping OR scope OR scoping OR systematic) AND literature) OR ((evidence OR research) AND synthes*))))	4,080,564
6	ABS ((((review OR overview* OR map OR mapping OR scope OR scoping OR systematic OR meta-analy* OR metaanaly* OR meta-regression* OR metaregression*) W/4 literature) OR ((evidence OR research) W/4 synthes*)))	489,546
7	((TITLE ((review* OR overview* OR meta-analy* OR metaanaly* OR meta-regression* OR metaregression* OR ((map OR mapping OR scope OR scoping OR systematic) AND literature) OR ((evidence OR research) AND synthes*))) OR KEY ((review* OR overview* OR meta-analy* OR metaanaly* OR meta-regression* OR metaregression* OR ((map OR mapping OR scope OR scoping OR systematic) AND literature) OR ((evidence OR research) AND synthes*))))) OR (ABS ((((review OR overview* OR map OR mapping OR scope OR scoping OR systematic OR meta-analy* OR metaanaly* OR meta-regression* OR metaregression*) W/4 literature) OR ((evidence OR research) W/4 synthes*))))	4,312,010

8	((TITLE-ABS-KEY (pipeda OR pipa OR phipa OR hipaa OR fippa OR phia OR {personal information protection} OR {health information protection} OR {Health Insurance Portability and Accountability Act} OR {privacy act} OR {privacy legislation} OR {privacy regulation*} OR {privacy law} OR {privacy laws} OR {data protection act} OR {data protection legislation} OR {Data Protection Regulation*} OR {data protection law} OR {data protection laws} OR {Data Protection Directive} OR indentifi* OR identifying OR reidentifi* OR reidentify* OR entity OR entities OR {personal information} OR {protected information} OR {sensitive information} OR {private information} OR {confidential information} OR {person level data} OR {individual level data} OR "name" OR named OR names OR ((personal OR home) W/1 (address* OR phone OR number* OR telephone OR fax OR facsimile)) OR {date of birth} OR {insurance number*} OR {health* information} OR (health* W/2 (card? OR number*)) OR {blood type*} OR ((health* OR illness OR medical) W/2 histor*))) AND (TITLE-ABS-KEY (data OR text* OR notes OR narrative* OR record* OR file OR files OR erecord OR ehr OR ehrr OR script* OR transcript* OR interview*)) AND (TITLE-ABS-KEY ({De identify*} OR {de identification} OR deidentify* OR deidentification OR anonymi?ation OR anonymi?e OR anonymi?ing OR (anonymi* W/2 technique*) OR ((preserv* OR protect*) W/2 (private OR privacy)) OR ((scrub OR scrubbing OR mask OR masking) W/3 (data OR text* OR notes OR narrative* OR record* OR file OR files OR erecord OR ehr OR ehrr OR script* OR transcript* OR interview*))))) AND (((TITLE ((review* OR overview* OR meta-analy* OR metaanaly* OR meta-regression* OR metaregression* OR ((map OR mapping OR scope OR scoping OR systematic) AND literature) OR ((evidence OR research) AND synthes*))) OR KEY ((review* OR overview* OR meta-analy* OR metaanaly* OR meta-regression* OR metaregression* OR ((map OR mapping OR scope OR scoping OR systematic) AND literature) OR ((evidence OR research) AND synthes*))))) OR (ABS ((((review OR overview* OR map OR mapping OR scope OR scoping OR systematic OR meta-analy* OR metaanaly* OR meta-regression* OR metaregression*) W/4 literature) OR ((evidence OR research) W/4 synthes*))))))	272
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The ACM Guide to Computing Literature (ACM digital Library)

Syntax Notes: "" indicates a phrase; * indicates truncation

Notes: Search conducted using the advanced search, which allows for some field searching. Below approximates the layout of the advanced search - the two fields are connected with AND.
"Anywhere" includes article fulltext in addition to fields that make up the item record.

Search

Anywhere (PIPEDA or PIPA or PHIPA or HIPAA or FIPPA or PHIA or "personal information protection" or "health information protection" or "Health Insurance Portability and Accountability Act" or "privacy act" or "privacy legislation" or "privacy regulation*" or "privacy law" or "privacy laws" or "data protection act" or "data protection legislation" or "Data Protection Regulation*" or "data protection law" or "data protection laws" or "Data Protection Directive" OR ((protect* OR privacy OR confidential*) AND Information) OR "name" OR named OR names OR indentifi* OR identifying OR entity OR entities OR "personal information" OR "sensitive information" OR "private information") AND ("de identify" OR "de identification" OR deidentif* OR anonymi* OR scrub OR scrubbing OR "privacy preserving" OR "privacy protection") AND (data OR text* OR notes OR narrative* OR record* OR file OR files or erecord or EHR or EHRs or script* or transcript* or interview*)

Title ((Map OR mapping OR scope OR scoping OR systematic) AND Literature) OR review* OR overview* OR "meta analy*" OR metaanaly* OR ((evidenc* OR research) AND synthes*)

**Results: 1883
results**

IEEE Explore

Syntax notes: "" indicates a phrase; * indicates truncation

Notes: Used the basic search - couldn't get the advanced search to work (no field specific searching)

Search String	Results:
(PIPEDA OR PIPA OR PHIPA OR HIPAA OR FIPPA OR PHIA OR "personal information protection" OR "health information protection" OR "Health Insurance Portability and Accountability Act" OR "privacy act" OR "privacy legislation" OR "privacy regulation" OR "privacy regulations" OR "privacy law" OR "privacy laws" OR "data protection act" OR "data protection legislation" OR "Data Protection Regulation" OR "Data Protection Regulations" OR "data protection law" OR "data protection laws" OR "Data Protection Directive" OR ((protect* OR privacy OR confidential) AND Information) OR "name" OR named OR names OR identifiable OR identifying OR entity OR entities OR "personal information" OR "sensitive information" OR "private information") AND ("de identify" OR "de identification" OR deidentif* OR anonymize OR anonymise OR scrub OR scrubbing OR "privacy preserving" OR "privacy protection") AND (data OR text* OR notes OR narrative OR narratives OR record OR records OR file OR files OR erecord OR EHR OR EHRs OR script OR scripts OR transcript OR transcripts OR transcription OR transcriptions OR interview OR interviews) AND (((Map OR mapping OR scope OR scoping OR systematic) AND Literature) OR review* OR overview* OR "meta analysis" OR "meta analyses" OR metaanaly* OR ((evidence OR research) AND synthes*))	343

Compendex (via Engineering Village)

Syntax Notes: {} indicates a phrase; * indicates truncation; ? Indicates an optional character; NEAR/# indicates proximity; ({term} WN CV) indicates a subject heading; search fields are as follows: WN TI = title,

Notes: Search conducted using the Expert Search. Autostemming was turned off.

Search String	Results
(((((((review* OR overview* OR meta-analy* OR metaanaly* OR meta-regression* OR metaregression* OR ((map OR mapping OR scope OR scoping OR systematic) AND literature) OR ((evidence OR research) AND syntheses*)) WN TI)) AND (1884-2022 WN YR)) OR (((((review NEAR literature) OR (overview* NEAR literature) OR (map NEAR literature) OR (mapping NEAR literature) OR (scope NEAR literature) OR (scoping NEAR literature) OR (systematic NEAR literature) OR (meta-analy* NEAR literature) OR (metaanaly* NEAR literature) OR (meta-regression* NEAR literature) OR (metaregression* NEAR literature) OR (evidence NEAR syntheses*) OR (research NEAR syntheses*)) WN AB)) AND (1884-2022 WN YR))) AND (1884-2022 WN YR)) AND ((((({De identify} OR {de identification} OR deidentify* OR deidentification OR anonymi?ation OR anonymi?e OR anonymi?ing OR (anonymi* NEAR/2 technique*) OR (preserv* NEAR/2 private) OR (preserv* NEAR/2 privacy) OR (protect* NEAR/2 private) OR (protect* NEAR/2 privacy) OR (data NEAR/3 scrub*) OR (text* NEAR/3 scrub*) OR (notes NEAR/3 scrub*) OR (narrative* NEAR/3 scrub*) OR (record* NEAR/3 scrub*) OR (file NEAR/3 scrub*) OR (files NEAR/3 scrub*) OR (erecord NEAR/3 scrub*) OR (EHR NEAR/3 scrub*) OR (EHRs NEAR/3 scrub*) OR (script* NEAR/3 scrub*) OR (transcript* NEAR/3 scrub*) OR (interview* NEAR/3 scrub*) OR (data NEAR/3 mask*) OR (text* NEAR/3 mask*) OR (notes NEAR/3 mask*) OR (narrative* NEAR/3 mask*) OR (record* NEAR/3 mask*) OR (file NEAR/3 mask*) OR (files NEAR/3 mask*) OR (erecord NEAR/3 mask*) OR (EHR NEAR/3 mask*) OR (EHRs NEAR/3 mask*) OR (script* NEAR/3 mask*) OR (transcript* NEAR/3 mask*) OR (interview* NEAR/3 mask*)) WN ALL) AND (1884-2022 WN YR)) OR (((({Data obfuscation} WN CV) OR ({Privacy-preserving techniques} WN CV)))) AND (1884-2022 WN YR))) AND (1884-2022 WN YR)) AND ((((((((({Medical information systems} WN CV)))))) AND (1884-2022 WN YR)) OR (((data OR text* OR notes OR narrative* OR record* OR file OR files OR erecord OR EHR OR EHRs OR script* OR transcript* OR interview*) WN ALL) AND (1884-2022 WN YR))) AND (1884-2022 WN YR)) AND ((((((PIPEDA OR PIPA OR PHIPA OR HIPAA OR FIPPA OR PHIA OR {personal information protection} OR {health information protection} OR {Health Insurance Portability and Accountability Act} OR {privacy act} OR {privacy legislation} OR {privacy regulation} OR {privacy regulations} OR {privacy law} OR {privacy laws} OR {data protection act} OR {data protection legislation} OR {Data Protection Regulation} OR {Data Protection Regulations} OR {data protection law} OR {data protection laws} OR {Data Protection Directive})) WN ALL) AND (1884-2022 WN YR)) OR (((home NEAR/1 address*) OR (home NEAR/1 phone) OR (home NEAR/1 number*) OR (home NEAR/1 telephone) OR (home NEAR/1 fax) OR (home NEAR/1 facsimile) OR (personal NEAR/1 address*) OR (personal NEAR/1 phone) OR (personal NEAR/1 number*) OR (personal NEAR/1 telephone) OR (personal NEAR/1 fax) OR (personal NEAR/1 facsimile)) WN ALL) AND (1884-2022 WN YR)) OR (((health* NEAR/2 card?) OR (health* NEAR/2 number*) OR (health* NEAR/2 histor*) OR (illness NEAR/2 histor*) OR (medical NEAR/2 histor*) OR (patient NEAR/2 histor*)) WN ALL) AND (1884-2022 WN YR)) OR (((((((({Data privacy} WN CV) OR ({Privacy by design} WN CV) OR ({Sensitive data} WN CV)))))) AND (1884-2022 WN YR))) AND (1884-2022 WN YR)))	603