

MEDLINE

#	Search command
1	Diabetes Mellitus, Type 1/di [Diagnosis]
2	Diabetic Ketoacidosis/
3	((diagnos* or referral or misdiagnos*) adj2 (delay* or late or missed)) or diagnosis or intervention or opportunit*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]
4	("general practice" or "primary care" or "family medic*" or GP or "general practitioner*" or "primary care practitioner*" or "primary care doctor*").mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]
5	(Paediatric* or pediatric* or child* or adolescen* or youth or girl* or boy* or "young people").mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]
6	("type 1 diabetes" or T1DM or T1D or "insulin dependent diabetes" or "juvenile diabetes" or "diabetes type 1" or "diabetes mellitus type 1" or iddm or ((ketoacido* or dka) adj2 (present* or onset or diagnos*))).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]
7	1 or 2 or 6
8	3 and 4 and 5 and 7

EMBASE

#	Search command
1	(paediatric* or pediatric* or child* or adolescen* or youth or girl* or boy* or young people).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
2	((("type 1 diabetes" or T1D or "insulin dependent diabetes" or "juvenile diabetes" or "diabetes type 1" or "diabetes mellitus type 1" or IDDM or IDD or ketoacido* or DKA) not "type 2 diabetes").mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
3	((diagnos* or referral) adj2 (delayed or late or missed)) or diagnosis or present* or admitt* or intervent* or campaign* or opportunit* or reduc* or prevent*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,

	drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
4	("general practice" or "primary care" or "family medic*" or GP or "general practitioner" or "primary care practitioner" or "primary care doctor" or "family doctor").mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
5	1 and 2 and 3 and 4

EVIDENCE BASED MEDICINE REVIEWS

#	Search command
1	Paediatric* or pediatric* or child* or adolescen* or youth or girl* or boy* or "young people"
2	"type 1 diabetes" or t1d or T1DM or "insulin dependent diabetes" or "juvenile diabetes" or "diabetes type 1" or "diabetes mellitus type 1" or iddm or ((ketoacido* or dka) adj2 (present* or onset or diagnos*))
3	((diagnos* or referral or misdiagnos*) adj2 (delay* or late or missed)) or diagnosis or intervent* or opportunit* or reduc* or prevent* or communit* or tool or decision or support).mp.
4	"general practice" or "primary care" or "family medic*" or GP or "general practitioner*" or "primary care practitioner*" or "primary care doctor*"
5	1 and 2 and 3 and 4

CINAHL

#	Search command
1	(Paediatric* OR pediatric* OR child* OR adolescen* OR youth OR girl* OR boy* OR "young people")
2	("type 1 diabetes" OR T1DM OR T1D OR "insulin dependent diabetes" OR "juvenile diabetes" OR "diabetes type 1" OR "diabetes mellitus type 1" OR iddm OR ((ketoacido* OR dka) N2 (present* OR onset OR diagnos*)))
3	(MH "Diabetic Mellitus, Type 1")
4	(MH "Diabetic Ketoacidosis")
5	((diagnos* OR referral OR misdiagnos*) N2 (delay* OR late OR missed)) OR diagnosis OR intervent* OR opportunit* OR prevent* OR decision OR support* OR tool)
6	("general practice" OR "primary care" OR "family medic*" OR GP OR "general practitioner*" OR "primary care practitioner*" OR "primary care doctor*")
7	2 or 3 or 4
8	1 and 5 and 6 and 7

WEB OF SCIENCE

Search command:

TS=(Paediatric* OR pediatric* OR child* OR adolescen* OR youth OR girl* OR boy* OR "young people")
 AND ALL=("general practice" OR "primary care" OR "family medic*" OR GP OR "general practitioner*" OR "primary care practitioner*" OR "primary care doctor*")
 AND TS=("type 1 diabetes" OR T1DM OR T1D OR "insulin dependent diabetes" OR "juvenile diabetes" OR "diabetes type 1" OR "diabetes mellitus type 1" OR iddm OR ((ketoacido* OR dka) NEAR/2 (present* OR onset OR diagnos*)))
 AND TS=((diagnos* OR referral OR misdiagnos*) NEAR/2 (delay* OR late OR missed OR timely OR early OR quick*) OR diagnosis OR intervention OR opportunit*)

Additional notes:

- Exact search turned on.
- Filtered for English language only.
- Filtered for years 2000-2023

GOOGLE SCHOLAR

Search command: Note: Google Scholar Advanced Search Used:

Allintitle: (("type 1 diabetes" OR "T1D" OR "juvenile onset diabetes" OR "T1DM" OR "insulin dependent diabetes") AND ("new-onset" OR "first") AND ("children" OR "paediatric" OR "pediatric" OR "young people") AND ("intervention" OR "opportunity" OR "prevent" OR "decision support" OR "community" OR "campaign" OR "education"))

Filters used:

Custom range: 2000-2023

Sort by relevance

Any type

Include citations (not patents)

English only

Note: we did not include general practitioner related terms in this search strategy because when we did, it did not give us any citations.

General search strategy/initial concept mapping:

Research concept	Alternate words
Children	Paediatric*, pediatric*, child*, adolescen*, youth, girl*, boy*, young people
Type 1 diabetes, diabetic ketoacidosis	type 1 diabetes, T1DM, insulin dependent diabetes, juvenile diabetes, diabetes type 1, diabetes mellitus type 1, iddm, ((ketoacido* or dka) adj2 (present* or onset or diagnos*))
Diagnosis/presentation/admission Intervention/reducing/preventing	((diagnos* or referral) adj2 (delayed or late or missed)), diagnosis, presentation*, admission*, Intervent*, opportunit*, reduc*, campaign*, prevent*, communit*
General practice	General practice, primary care, family medic*, GP, general practitioner, primary care practitioner, primary care doctor