Embase AI

Embase AI use cases and prompt guide

Learn how to use Embase AI to ask better questions, get faster cited overviews and prepare for deeper searches in Embase.

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What this guide covers

What this guide covers

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How to access Embase AI

Sign in to Embase

Get help with access

Related products:

EmBiology
PharmaPendium
Reaxys
ScienceDirect

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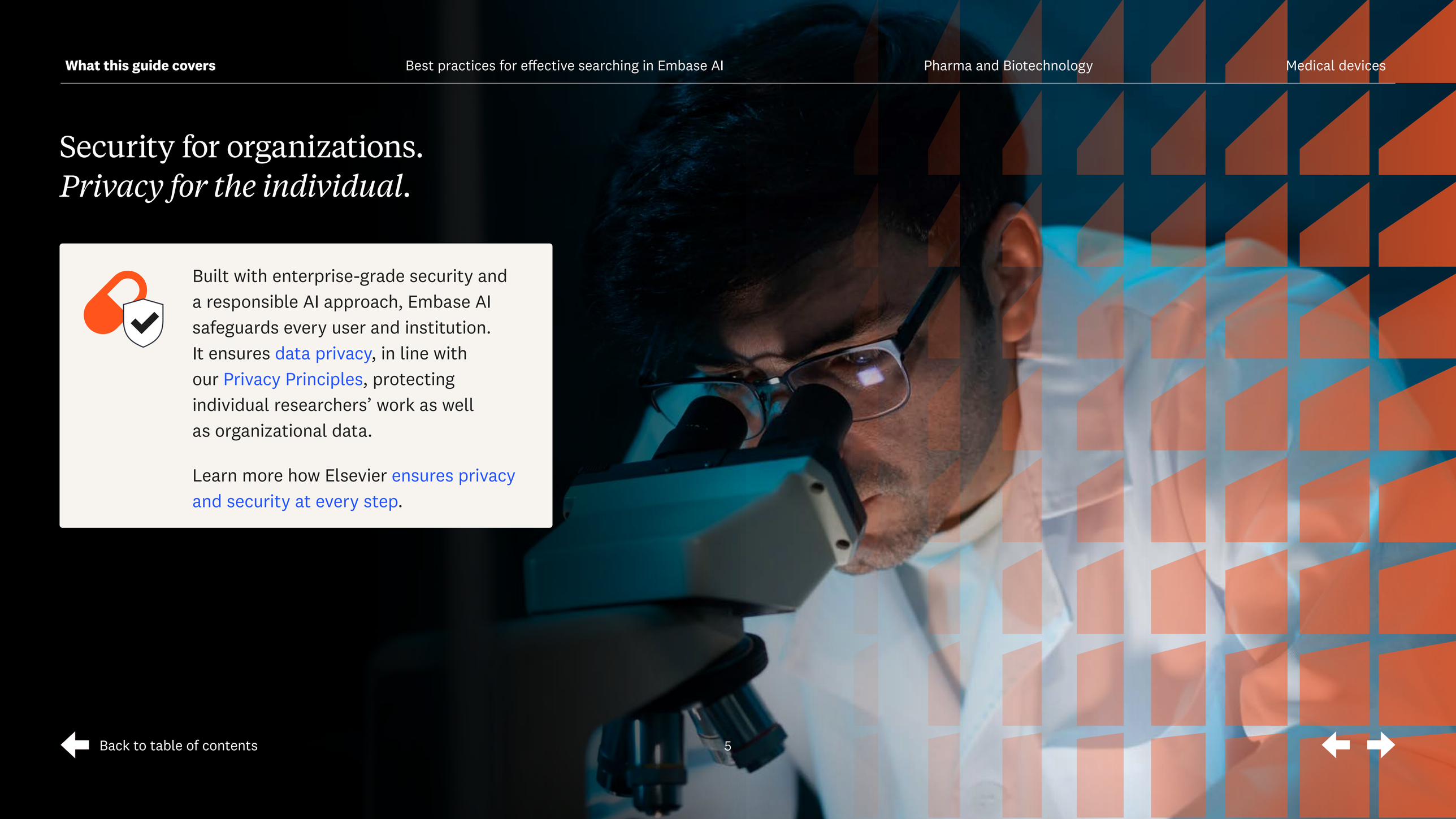
Security for organizations. *Privacy for the individual.*

Built with enterprise-grade security and a responsible AI approach, Embase AI safeguards every user and institution. It ensures data privacy, in line with our Privacy Principles, protecting individual researchers' work as well as organizational data.

Learn more how Elsevier ensures privacy and security at every step.



Best practices *for effective searching in Embase AI*

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Prompt formula

1 Use the following 'formula' to generate the Embase AI prompt:

- **Question + Modifiers/Search Limits**

Some examples:

Author: Sherry Winter/Product team

Publication types

What are the adverse effects of Metformin?
+
Use only reviews.

- To only use **CT.gov content:** *Using only information from references with 'clinical trial':dtype, summarise xyz*
- **Publication years:** What conditions do KRAS G12C inhibitors treat? *Use only articles published in the last 3 years.*

Use specific index terms

Does accurate SpO2 monitoring support patient management?
+
Accuracy and its synonyms should be a key term.

Remove specific index terms

What are the current diabetes treatments specifically for adult women?
+
Remove any mention of men in the responses.

Summaries in other languages

What are the main areas of health concerns for indigenous people who experienced discrimination?
+
Give me the summary in French.

Best practices *for effective searching in Embase AI*

1. Suggested formula to create a good prompt
2. **Start working with Embase AI**
3. Advanced search tips 1
4. Advanced search tips 2

Prompt

2

Experiment and explore to become familiar with Embase AI's capabilities.

Author: Sherry Winter/Product team

- **Start broad;** refine with follow-up questions.
  - Whenever possible, **prefer objective, impersonal language.**

If you encounter an error:
- Rerun the query.
- Broaden or remove terms.

If the response says **"The information you're looking for can be found in the provided references,"** follow up with **"Summarize them."**

- **Always export your session** when you're finished.

Best practices *for effective searching in Embase AI*

Prompt

3 **You don't need perfect questions; you can use research frameworks.**

Examples:

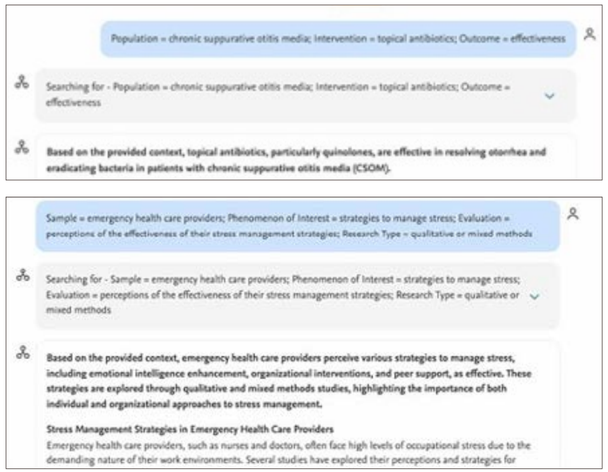
PICO

- **Population** = Chronic Suppurative Otitis Media
- **Intervention** = topical antibiotics
- **Outcome** = Effectiveness

SPIDER

- **Sample** = emergency health care providers
- **Phenomenon of Interest** = strategies to manage stress
- **Evaluation** = perceptions of the stress
- **Research Type** = qualitative or mixed methods

Author: Sherry Winter/Product team



Best practices *for effective searching in Embase AI*

Prompt

4

Summarize up to ten documents using their Embase IDs (PUIs).

Author: Sherry Winter/Product team

- **Example:** *Find the following records **L2033499183 L2033736252 L2038883182 L2033066919 L2034623970** and summarize them.*
  – **PUIs** are on the full record page or included when exporting as **CSV, Plain Text, Word, Excel,** or **PDF.**
- **Paste a full Embase query** directly as the question. After the top-ten documents are retrieved, ask **“summarize them”** as a follow-up.

Note: Embase AI accepts up to **2000 characters.**

- **Clinical trial linkage:** *Give me the articles derived from clinical trial **NCT04642144.***

Pharma and Biotechnology: *Writing effective prompts*

Pharma and Biotechnology: *Writing effective prompts*

Use case

1. **Safety context for emerging signals**
2. Trial comparators and endpoints (clinical/regulatory PICO)
3. Dose, PK/PD, DDI (Drug form)
4. Standard of care and treatment landscape (indication)
5. HTA / HEOR context for an intervention

Prompt

1. Summarize human evidence linking **[drug / INN / class]** to **[adverse event]** since **[YYYY]**.

   Limit to **humans** and **include conference abstracts**.

   Separate results by **RCTs, cohort studies, case–control studies, case reports** and **preclinical testing**.

   Summarize **event types, signal strength** and any **key confounders** that are mentioned.

Carlos Del Rio/Product team

Pharma and Biotechnology: *Writing effective prompts*

Use case

1. Safety context for emerging signals
2. **Trial comparators and endpoints (clinical/regulatory PICO)**
3. Dose, PK/PD, DDI (Drug form)
4. Standard of care and treatment landscape (indication)
5. HTA / HEOR context for an intervention

Prompt

2

For **[indication]**, summarize clinical studies of **[drug / class]** versus **[comparator(s)].**

Focus on **RCTs and meta-analyses** in **[population]** since **[YYYY]**.

List the **primary and key secondary endpoints,** typical **follow-up duration**, and any **regulatory-relevant outcomes** used (e.g. overall survival, PFS, HRQoL).

Carlos Del Rio/Product team

Pharma and Biotechnology: *Writing effective prompts*

Use case

1. Safety context for emerging signals
2. Trial comparators and endpoints (clinical/regulatory PICO)
3. **Dose, PK/PD, DDI (Drug form)**
4. Standard of care and treatment landscape (indication)
5. HTA / HEOR context for an intervention

Prompt

3

Retrieve evidence on **dose, PK/PD and drug–drug interactions** for **[drug / INN]** in **[population].**

Include different **routes of administration** and **special populations** (e.g. renal impairment, elderly).Summarize typical **Cmax, AUC, t½**, exposure–response relationships and any **clinically significant DDIs** reported.

Carlos Del Rio/Product team

Pharma and Biotechnology: *Writing effective prompts*

Use case

1. Safety context for emerging signals
2. Trial comparators and endpoints (clinical/regulatory PICO)
3. Dose, PK/PD, DDI (Drug form)
4. **Standard of care and treatment landscape (indication)**
5. HTA / HEOR context for an intervention

Prompt

4

For **[disease / indication]**, summarize the current **standard of care** and main **treatment options** in **[region or global]**. Focus on **guidelines, consensus statements** and r**ecent RCTs / meta-analyses** since **[YYYY]**.

Highlight **first-line vs later-line therapies**, typical **doses** and any **key unmet needs** mentioned.

Carlos Del Rio/Product team

Pharma and Biotechnology: *Writing effective prompts*

Use case

1. Safety context for emerging signals
2. Trial comparators and endpoints (clinical/regulatory PICO)
3. Dose, PK/PD, DDI (Drug form)
4. Standard of care and treatment landscape (indication)
5. **HTA / HEOR context for an intervention**

Prompt

5

Summarize published **HTA reports and economic evaluations** for **[drug / device / intervention]** in **[indication]**.

Identify **comparators, perspective** (payer / hospital / societal), **time horizon** and main **cost and outcome measures** (e.g. ICER, QALYs).

Highlight overall **conclusions on value** and any **evidence gaps** noted.

Carlos Del Rio/Product team

Medical devices: *Writing effective prompts*

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Use case

1. **Device safety signal detection (PMS/PMCF/vigilance support)**
2. Clinical evaluation and device equivalence (CER/PER)
3. IVD analytical and clinical performance (scientific validity)
4. Device value and HTA/HEOR evidence
5. Device trial design – endpoints, comparators and follow-up

Prompt

1. Find human evidence reporting **[adverse device effect]** with **[device generic name / trade names]** in **[population / setting]** since **[YYYY].**

   Limit to humans; include conference abstracts. Separate results by study type (RCTs, observational studies, registries, case reports). Summarize frequency, severity and any reported root causes (device, procedure, user).

Author: Michelle Mohsenin/Product team

Medical devices: *Writing effective prompts*

Use case

1. Device safety signal detection (PMS/PMCF/vigilance support)
2. **Clinical evaluation and device equivalence (CER/PER)**
3. IVD analytical and clinical performance (scientific validity)
4. Device value and HTA/HEOR evidence
5. Device trial design – endpoints, comparators and follow-up

Prompt

2 Compare safety and performance of **[index device]** versus **[comparator device/technology]** for **[indication / procedure].**

Include clinical studies and registries; include conference abstracts. Summarize primary endpoints, key performance measures, follow-up duration and authors' statements on equivalence or non-inferiority.

Author: Michelle Mohsenin/Product team

Medical devices: *Writing effective prompts*

Use case

1. Device safety signal detection (PMS/PMCF/vigilance support)
2. Clinical evaluation and device equivalence (CER/PER)
3. **IVD analytical and clinical performance (scientific validity)**
4. Device value and HTA/HEOR evidence
5. Device trial design – endpoints, comparators and follow-up

Prompt

3

Summarize the **analytical and clinical performance** of the IVD **[test/platform]** measuring **[analyte/biomarker]** for **[disease/condition]**.

Cover **precision, accuracy, limit of detection, interference,** and **sensitivity, specificity, AUC and positive/negative predictive values** across the relevant **sample types** and **populations**.

Author: Michelle Mohsenin/Product team

Medical devices: *Writing effective prompts*

Use case

1. Device safety signal detection (PMS/PMCF/vigilance support)
2. Clinical evaluation and device equivalence (CER/PER)
3. IVD analytical and clinical performance (scientific validity)
4. **Device value and HTA/HEOR evidence**
5. Device trial design – endpoints, comparators and follow-up

Prompt

4 Find HTA reports and economic evaluations of **[device / technology]** for **[indication]**.

Include HTA assessments, cost-effectiveness models and budget-impact studies. Summarize comparators, perspective (payer/hospital/societal), time horizon, main cost and outcome inputs, and overall conclusions on value.

Author: Michelle Mohsenin/Product team

Medical devices: *Writing effective prompts*

Use case

1. Device safety signal detection (PMS/PMCF/vigilance support)
2. Clinical evaluation and device equivalence (CER/PER)
3. IVD analytical and clinical performance (scientific validity)
4. Device value and HTA/HEOR evidence
5. **Device trial design – endpoints, comparators and follow-up**

Prompt

5 For devices similar to **[planned device / class]** in **[indication]**, identify clinical trials and registries used for approval or guideline support. Summarize study design (randomized vs single-arm), inclusion/exclusion criteria, primary endpoints, comparators, follow-up duration and typical sample-size ranges, endpoints, comparator devices or procedures, follow-up duration and any regulatory or guideline rationales mentioned for these choices.

Author: Michelle Mohsenin/Product team

Where to go next:

Go to Embase

Learn more about Embase

Embase resources

Embase support