Phase 1: Concept Set Build - Instructions

Principles:

1. **Focus on Standard Concepts:** The primary objective is to evaluate and compare standard concepts. Adherence to standardized vocabularies (e.g., SNOMED) is strongly recommended.
    - **Use Standard (Blue):** Standard concepts are marked in blue in Atlas.
    - **Avoid Non-Standard (Red):** Non-standard codes (e.g., ICD10CM) are marked in red.
2. The structure of the concept set expression (the logic for inclusions, exclusions, or descendants) is **not** evaluated. We only evaluate the final list of resolved Concept IDs in the included concept id section.

Tutorial: Building Concept Expressions in OHDSI Atlas

1. Use the Vocabulary 'Search' to input clinical terms and identify standard concepts.
2. Add concepts to your 'Shopping Cart'.
3. Import them into your Concept Set definition, optionally applying modifiers (e.g., 'with descendants', 'excluded') to refine the resolved list.

Atlas dynamically computes the included concepts and shows the count. Review the 'Included Concepts'. Reviewing 'Included Source Codes' with vocabulary filters can also be helpful. The 'Recommended' tab provides suggestions based on lexical, semantic, or patient context similarity. Concept record counts are useful; if unavailable in this Atlas instance (probably has fake data), you may reference atlas-demo.ohdsi.org which has data from evidence network counts and network prevalence count.

Tools, Resources, and Submission Rules

- **Permitted Tools and Resources:** Any OHDSI technology stack (Atlas, Athena, R programming), medical textbooks, and literature sources.
- **Prohibited Tools (Strictly Enforced):** As this is the human arm, you are **not allowed** to use Large Language Models (LLMs) or other related AI methods.
- **Submission Protocol:** Your final expression must be submitted to the provided Atlas instance.
    - Submit only to the concept set placeholder (Concept Set ID) allocated to you.
    - **Do not overwrite or modify any concept set expression that is not assigned to you.**