

Forward Deployed Engineer

Overview

According to the WHO Global Report on Diabetes, effective diabetes care depends on the clinician's ability to quickly reference standardized management protocols that cover lifestyle therapy, use of a limited set of essential medicines, structured self-management education, and routine screening for complications such as retinopathy, neuropathy, renal disease, and foot problems. The guidelines also emphasize referral criteria—for example, when a primary care provider should escalate a patient to secondary care for ophthalmic evaluation or suspected kidney disease.

Clinicians often struggle to manually locate the correct protocol section during consultations. For example:

- “What lifestyle counselling elements are recommended for a new patient?”
- “When should a patient be referred for retinal screening?”

Build a retrieval interface that allows clinicians to enter a management question or patient scenario and instantly surface the relevant answer.

Requirements

- A clinician-facing UI supporting free-text queries and answers
- Responses should include relevant topics:
 - Lifestyle management recommendations
 - Medication protocol guidance
 - Complication screening schedules
 - Referral criteria

Deliverables

- Demo of the system and executable codebase
- High level overview of the solution

Dataset

<https://iris.who.int/server/api/core/bitstreams/d2997184-51c3-4b0b-aa2c-0cc840424b6c/content> (Focus on Part 3)