

## **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)