Template 1: Clinical Decision Map

Hand-draw or fill in this mind map structure for ONE condition

Instructions: Write the condition name in the centre circle. Fill in each of the four branches with as much detail as you can. Use your own words. Add extra branches if needed. Approximate numbers and percentages are very valuable even if not exact.

Expert Name: **Specialty:**

Date: **Condition:**

1. PRESENTING SYMPTOMS

Primary symptoms:

Secondary symptoms:

Severity (mild/moderate/severe):

Typical duration:

Onset pattern:

2. CLINICAL ASSESSMENT

Tests you order:

Key findings that confirm:

Key findings that rule out:

Risk factors:

Typical age/gender:

CONDITION

Name:

3. DIAGNOSIS

Primary diagnosis:

Main differentials:

How certain? (%):

Staging/Grading:

4. TREATMENT & OUTCOMES

First-line treatment:

If that fails, then:

Success rate (%):

Key success factors:

Follow-up plan:

Template 2: Clinical Scenario Card

Complete ONE card per typical patient presentation you see regularly

Expert: _____ **Specialty:** _____ **Date:** _____

Scenario Name

Give this patient type a short name, e.g. "Classic BPH" or "Young male haematuria"

Typical Patient Profile

Age range, gender, lifestyle, comorbidities common in this presentation

Presenting Symptoms

Primary complaint, secondary symptoms, severity (mild/moderate/severe), how long before they come to you

Key Investigation Results

What tests do you order? What typical values/findings do you see for THIS patient type?

Diagnosis

Primary diagnosis for this scenario. What differentials do you need to rule out?

Treatment Pathway

First-line treatment. What do you try next if that fails? Typical duration of treatment.

Expected Outcome & Success Rate

What % respond well? What predicts good vs poor outcome?

HOW COMMON IS THIS SCENARIO?

Out of 10 patients with this condition, how many follow this pattern? /10 (This is very important for AI dataset balance)

Template 3: Rapid Interview Question Sheet

For the researcher to use during a 30-minute recorded interview with clinician

How to use: Record the session (with consent). Ask each question and let the clinician talk freely. Make brief notes in the space provided. The detailed answers come from the recording later. Tick the checkbox when each question has been covered.

Expert: _____ **Condition Focus:** _____ **Date:** _____

☐ **Q1.** For [condition], what are the 3-5 most common ways patients present to you? ~5 min

Maps to: Identifies archetypes + class distribution

Brief notes:

☐ **Q2.** For each presentation, what symptoms do you see and how severe are they? ~5 min

Maps to: Symptom columns + severity encoding

Brief notes:

☐ **Q3.** What patient demographics are typical? (age, gender, comorbidities) ~3 min

Maps to: Demographic columns + correlation rules

Brief notes:

☐ **Q4.** What investigations do you order and what results confirm/rule out diagnosis? ~5 min

Maps to: Investigation columns + threshold values

Brief notes:

☐ **Q5.** What is your first-line treatment? What do you try if that fails? ~4 min

Maps to: Treatment columns + conditional logic

Brief notes:

☐ **Q6.** What percentage of patients respond well to first-line treatment? ~3 min

Maps to: Outcome distribution + success rates

Brief notes:

☐ **Q7.** What key factors predict good vs poor outcome? ~3 min

Maps to: Prognostic features for model

Brief notes:

☐ **Q8.** Any unusual or rare presentations that are important not to miss? ~2 min

Maps to: Edge cases + rare class data

Brief notes:

Total estimated time: ~30 minutes

Template 4: Clinical Pathway Diagram

Draw the decision pathway for ONE condition - from first presentation to outcome

Instructions: Start with the presenting complaint at the top. At each decision point, write the question you ask yourself (e.g., "PSA > 4?"). Draw arrows to the next step. Include approximate % of patients who go each way. Use the symbols below.

Symbols: **Oval:** Start / End points **Rectangle:** Actions / Tests **Diamond:** Decision points **Rounded box:** Ou

Expert: _____ **Condition:** _____ **Date:** _____

Patient presents with:

Draw your clinical pathway here

Use boxes, diamonds, and arrows to show the decision flow

Include test thresholds (e.g., "PSA > 10?") and approximate patient %

Template 5: Parameter Extraction Worksheet

Researcher uses this AFTER the interview to extract dataset parameters from captured knowledge

For the researcher: After the clinical expert session, extract every measurable parameter from the Decision Maps, Scenario Cards, and interview notes. This becomes the specification for synthetic dataset generation.

Condition: _____ **Source Expert(s):** _____ **Date:** _____

A. Parameter Definitions

Parameter Name	Data Type	Range / Values	Clinician Notes	Source

B. Conditional Rules (IF-THEN relationships from clinical expert)

#	Clinical Rule (expert's words)	Dataset Implementation (researcher translates)
1		
2		
3		
4		
5		
6		
7		
8		