## ***Code Her Care Hackathon Dataset Rationale***

This guide explains the logic behind the datasets shared with participants. These structured datasets enable innovation in clinical decision-making, digital prescriptions, inventory tracking, and financial transparency, especially for women’s health.

### **1. Patient Demographics & Risk Factors**

**Examples:** Age, Menopausal Status, Sexual History, Region

Why it matters:

* Helps triage who needs screening & intervention
* Key for building AI risk predictors or dynamic intake forms
* Enables contextual UX (e.g., personalized prompts)

### **2. Clinical Test Results & Diagnoses**

**Examples:** HPV Result, CA-125 Levels, Pap Smear, Ultrasound Findings

Why it matters:

* Powers diagnostic logic & care pathway decisions
* Can be used as ML labels or rules-based triggers
* Enables informative summaries in digital prescriptions

### **3. Management Plan Columns**

**Examples:** Treatment Plan, Recommended Action, Follow-Up Days

Why it matters:

* Simulates the doctor’s prescription pad
* Enables evaluation or generation of clinical plans

### **4. Resource & Inventory Columns**

**Examples:** Resource Name, Quantity Available, Facility ID

Why it matters:

* Allows facility logic: “Suggest test B if test A is out of stock”
* Supports automatic inventory tracking via prescription logic
* Grounds ideas in real-world limitations (supply/demand)

### **5. Financial Columns**

**Examples:** Estimated Cost (KES), NHIF Covered, Financing Options

Why it matters:

* Adds transparency to care costs
* Simulates NHIF breakdowns and out-of-pocket expenses
* Great for UX like instant receipts and cost alerts

### **6. Geographic Columns**

**Examples:** Region, Facility ID

Why it matters:

* Useful for equity analysis (urban vs. rural gaps)
* Enables mapping, routing, or facility-specific logic
* Makes regional dashboards and planning tools possible