**Doctors Table:**

* **Doctor\_ID:** List 1-100
* **Doctor\_Name:** CHATGPT prompt: ‘Generate 100 different Doctors names that can be copy and pasted into an excel document’ (Open AI ChatGPT, 2025).
* **DOB:** Excel prompt: =DATE(RANDBETWEEN(1970,1998), RANDBETWEEN(1,12), RANDBETWEEN(1,28)).
* **Doctor Address:** CHATGPT prompt: ‘Generate 100 random addresses that are in the proximity of the hospital they work at [paste list of hospitals] export as an excel document (Open AI ChatGPT, 2025)
* **Hospital\_ID:** Assign an equal number of doctors to each hospital. Excel prompt: =MOD(A2-1,40)+1, [drag and drop to apply to all 100 doctors].
* **Hospital\_Name:** Match the hospital name to the assigned Hospital\_ID (E column) using the ‘hospitals’ table. Excel prompt = VLOOKUP (E2, hospitals!$A$2:$B$41, 2, FALSE), [drag and drop to apply to all 100 doctors].

**Patients Table:**

* **Patient\_ID**: List 1-600
* **Patient\_Name:** CHATGPT prompt: ‘Generate 600 random realistic patient names and export as an excel document’ (Open AI ChatGPT, 2025)
* **DOB:** Excel prompt: Date(RANDBETWEEN(1940,2024), RANDBETWEEN(1,12), RANDBETWEEN(1,28)), [drag and drop to apply to all patients]
* **Address:** ‘Generate 100 random address that are near enough to attend the corresponding hospital [Paste list of hospitals used for doctors table]. Do it 6 times and export as an excel document’ (OpenAI ChatGPT, 2025).
* **Doctor\_ID:** Assign an equal number of patients to each doctor. Excel prompt: =MOD(A2-1,100)+1, [drag and drop to apply to all patients].
* **Doctor\_Name:** Match the doctor name to the assigned Doctor\_ID (E column) using the Doctor\_Name and Doctor\_ID columns in the ‘doctors’ table. Excel prompt: =VLOOKUP(E2, doctors!$A$2:$B$101, 2, FALSE), [drag and drop to apply to all patients].

**Medications Table:**

* **Medication\_ID:** List 1-100
* **Medication\_Name:** CHATGPT prompt: ‘Generate 100 random medications and extract to an excel file’ (OpenAI, ChatGPT, 2025)

**Prescriptions Table:**

* **Prescription\_ID:** List 1-500
* **Patient\_ID:** Assign random patients to prescriptions. Excel prompt: = INDEX(patients!A:A, RANDBETWEEN(2,601)). [drag and drop to apply to all prescriptions].
* **Patient\_Name:** Match the patients name to the assigned Patient\_ID (B column) using the Patient\_Name and Patient\_ID columns in the ‘patients’ table. Excel prompt: =VLOOKUP(B2, patients!A$2:B$601, 2, FALSE) [drag and drop to apply to all prescriptions].
* **Medication\_ID:** Assign a random medication to each prescription. Excel prompt: =RANDBETWEEN(1,100). [drag and drop to apply to all prescriptions].
* **Medication\_Name:** Match the medication name to the assigned Medication\_ID (D column) using the Medication\_Name and Medication\_ID columns in the ‘medications’ table Excel prompt: =VLOOKUP(D2, medications!$A$2:$B$101, 2, FALSE) [drag and drop to apply to all prescriptions].
* **Doctor\_ID:** Match the Doctor\_ID to the Patient\_ID (B column) using the preassigned values from ‘patients’ table Excel Prompt: =INDEX(patients!$E$2:$E$601, MATCH(B7, patients!$A$2:$A$601, 0)) [drag and drop to apply to all prescriptions].
* **Doctor\_Name:** Match the doctor name to the assigned Doctor\_ID (F column) using the Doctor\_Name and Doctor\_ID columns in the ‘doctors’ table: =VLOOKUP(F2, doctors!$A$2:$B$101, 2, FALSE).
* **Prescription\_Date**: Generate random dates in the last 2 years. Excel Prompt: =RANDBETWEEN(Date(Year(Today())-2,1,1) TODAY()

**Disease Table:**

* **Disease\_ID:** List 1-100
* **Disease\_Name:** CHATGPT prompt: ‘Generate 100 diseases that could be treated using these medications [paste list of medications from ‘medications’ table] (OpenAI ChatGPT, 2025)
* **Medication\_ID:** List 1-100 as diseases corresponding to each medication is in the same order
* **Medication\_Name:** Match medication name to assigned Medication\_ID(C column) using Medication\_Name and Medication\_ID columns in the ‘medications’ table. Excel prompt: =VLOOKUP(C2, medications!$A$2:$B$101, 2, FALSE)
* **Doctor\_ID:** List 1-100 to assign each doctor to one of the diseases.

**Appointments Table:**

* **Appointment\_ID:** List 1-500
* **Patient\_ID:** Assign random patients to appointments. Excel prompt: =RANDBETWEEN(1,600)
* **Patient\_Name:** Match the patients name to the assigned Patient\_ID (B column) using the Patient\_Name and Patient\_ID columns in the ‘patients’ table Excel prompt: =VLOOKUP(B2, patients!A$2:B$601, 2, FALSE) [drag and drop to apply to all appointments].
* **Doctor\_ID:** Match the Doctor\_ID to the Patient\_ID (B column) using the preassigned values from ‘patients’ table Excel Prompt: =INDEX(patients!$E$2:$E$601, MATCH(B2, patients!$A$2:$A$601, 0)) [drag and drop to apply to all appointments].
* Doctor\_Name: Match the doctor name to the assigned Doctor\_ID (D column) using the Doctor\_Name and Doctor\_ID columns in the ‘doctors’ table: =VLOOKUP(D2, doctors!$A$2:$B$101, 2, FALSE) [drag and drop to apply to all appointments].
* Appointment\_Date: Generate a random future appointment date. Excel prompt: =DATE(RANDBETWEEN(2025,2025),RANDBETWEEN(1,12),RANDBETWEEN(1,28)) [drag and drop to apply to all appointments].

**Lab Results Table:**

* **Lab\_Result\_ID:** List 1-50
* **Patient\_ID:** Assign random patient to lab result. Excel prompt: =RANDBETWEEN(1,600)
* **Test\_Type:** CHATGPT prompt: ‘List 50 random hospital lab tests. Do it so I can copy and paste into excel’ (OpenAI ChatGPT, 2025)
* **Test\_Date:** Generate a random date for the test. Excel prompt: =DATE(RANDBETWEEN(2023,2024),RANDBETWEEN(1,12), RANDBETWEEN(1,28))
* **Doctor\_ID:** Match the Doctor\_ID to the Patient\_ID (B column) using the preassigned values from ‘patients’ table Excel Prompt: =INDEX(patients!$E$2:$E$601, MATCH(B2, patients!$A$2:$A$601, 0)) [drag and drop to apply to all lab results].
* **Doctor\_Name:** Match the doctor name to the assigned Doctor\_ID (E column) using the Doctor\_Name and Doctor\_ID columns in the ‘doctors’ table: =VLOOKUP(E2, doctors!$A$2:$B$101, 2, FALSE) [drag and drop to apply to all lab results]
* **Hospital\_ID:** Match the Hospital\_ID to the Doctor\_ID (E column) using the preassigned values from ‘doctors’ table. Excel Prompt: =INDEX(doctors!$E$2:$E$101, MATCH(E2, doctors!$A$2:$A$101, 0)) [drag and drop to apply to all lab results].
* **Hospital\_Name:** Match the hospital name to the assigned Hospital\_ID (G column) using the Hospital\_Name and Hospital\_ID columns in the ‘hospitals’ table. Excel prompt: =VLOOKUP(G2, hospitals!$A$2:$B$41, 2, FALSE)
* **Test\_Result:** Generate a random result for each test. Excel prompt: =CHOOSE(RANDBETWEEN(1,2), ‘Normal’,

Reference

* OpenAI ChatGPT (2025) ChatGPT responses to Emily Sims and Isabella Modica, 13th January 2025.