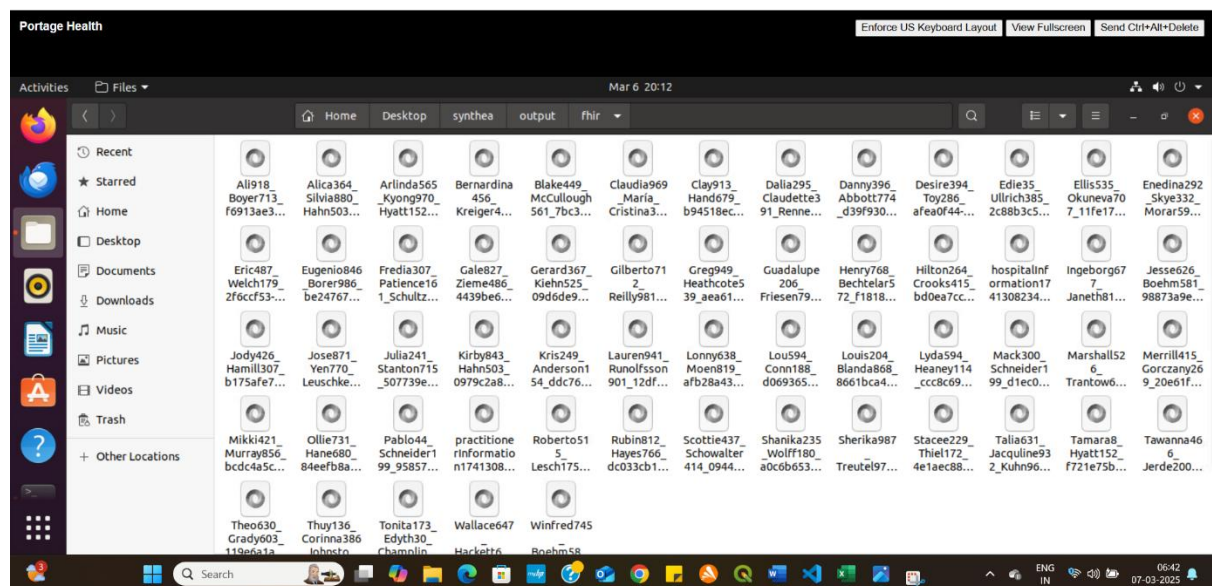
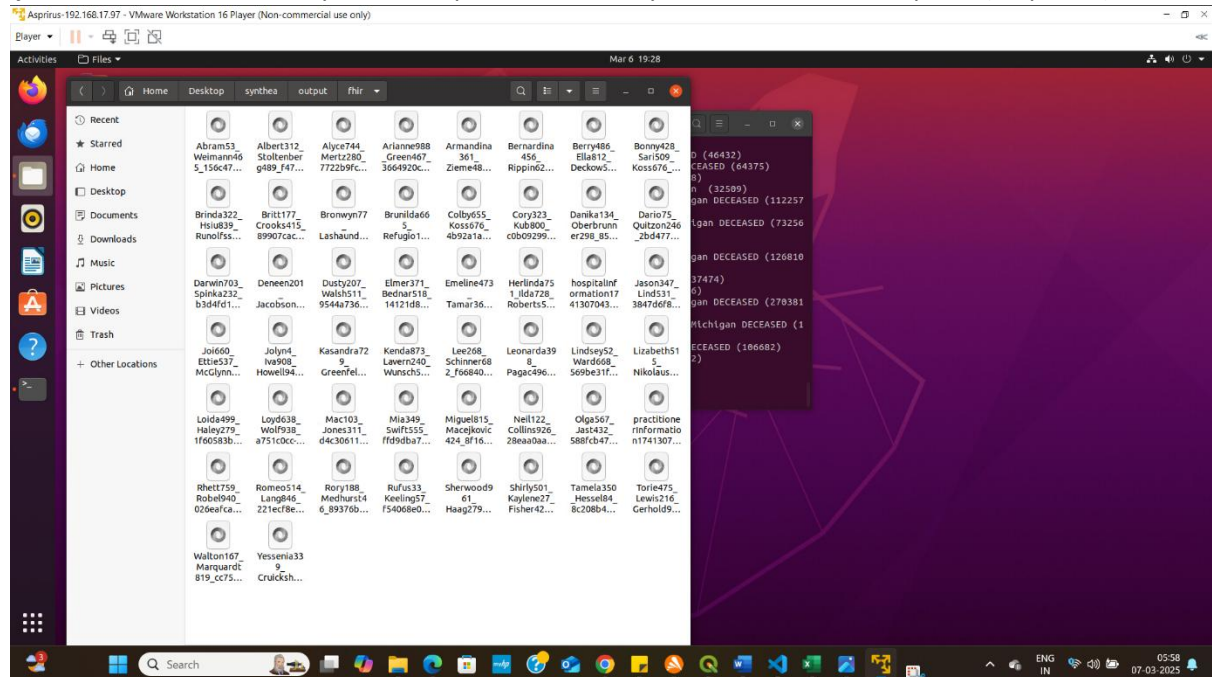
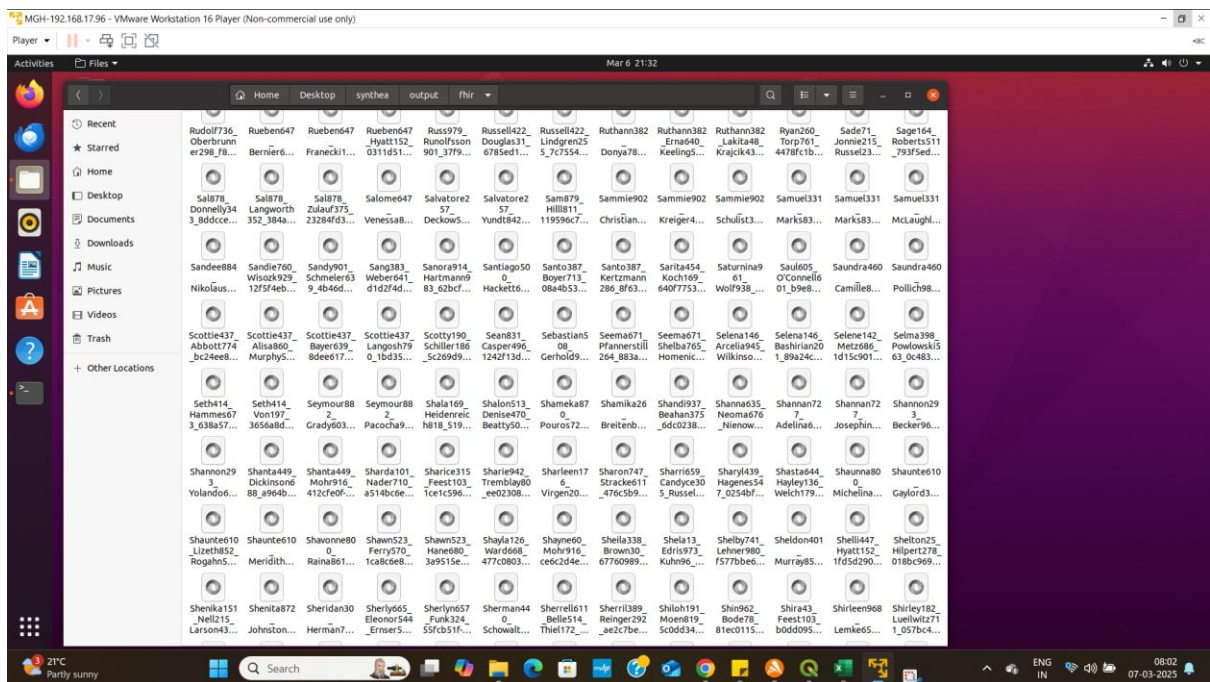
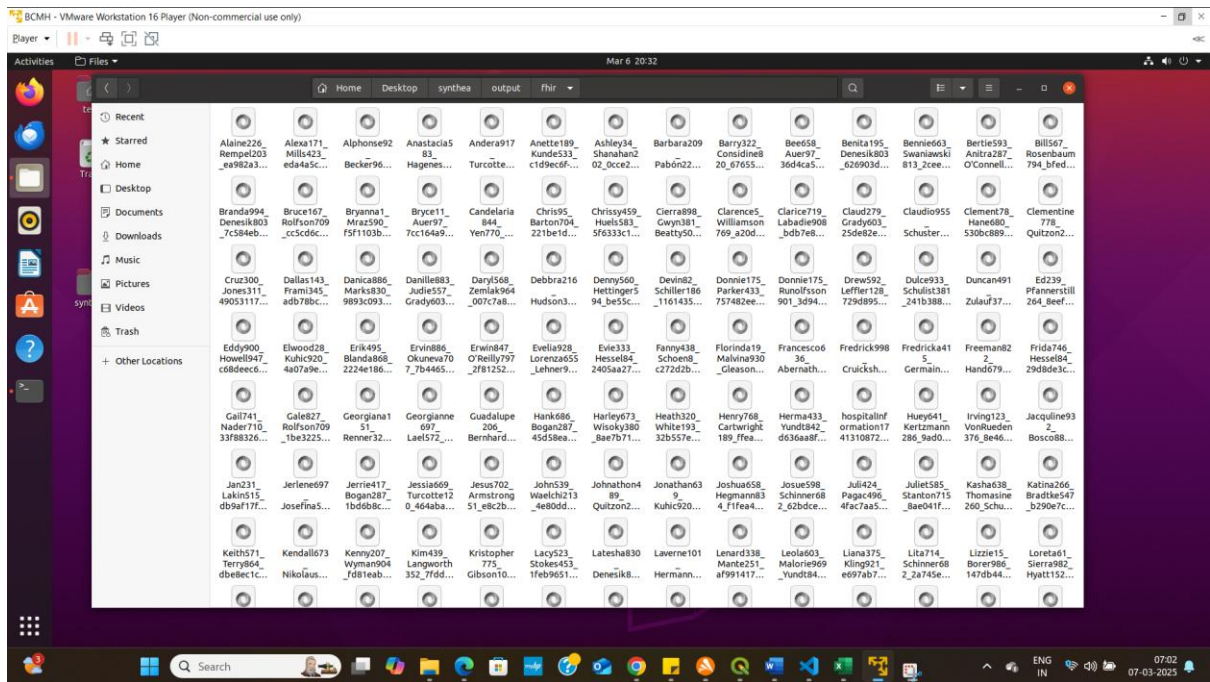


Architecture Development Part 3: Generation of Synthea Patient and Syndromic Surveillance Data for Hospital EHRs to Simulate Disease Outbreak

A. Generate Synthea Covid-19 syndromic surveillance disease outbreak HL7 FHIR .json files with the following percentages of each respective hospital population shown below. Submit a screenshot .json files located in the /synthea/output/fhir directory for each of the 4 hospitals (12 points)





B) Complete the table below (4 points)

Hospital	% Used of Total Served Hospital Population	Amount of COVID Patients Created
Aspirus	Less than 1% of 5k population	30
Portage Health	Less than 1% of 9k population	50
BCMh	Between 1% and 4% of 7k population	150
MGH	Greater than 5% of 20k population	2000

C. What was the most challenging portion about this assignment? Why? (4 points)

I did not find any challenging portion about this particular assignment. The steps were clear and very few. It was easy to work on this assignment. The only issue I faced was that the ubuntu was not opening for Asprirus and MGH so I took Oscar advise and created new VMs with new IP address and completed the assignment.