



# OHDSI in a Box – Setup




1. Open  VM VirtualBox Manager

2. Click on  **New**

## Name and operating system

Please choose a descriptive name for the new virtual machine and select the type of operating system you intend to install on it. The name you choose will be used throughout VirtualBox to identify this machine.

Name:

Type:  

Version:

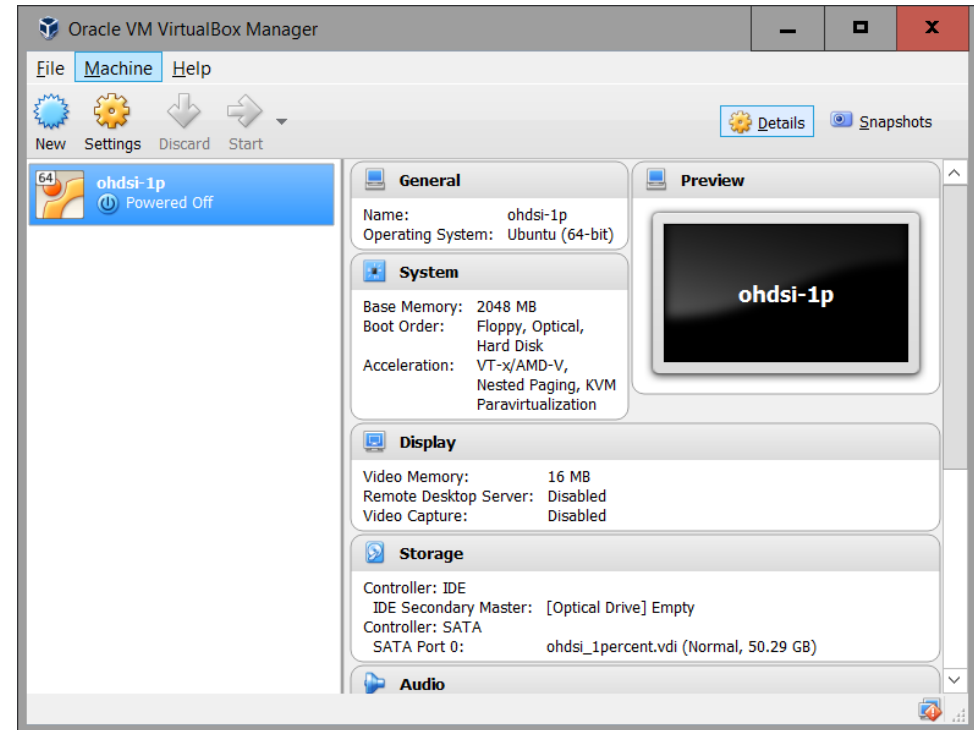
## Memory size

Select the amount of memory (RAM) in megabytes to be allocated to the virtual machine.

The recommended memory size is **1024 MB**.

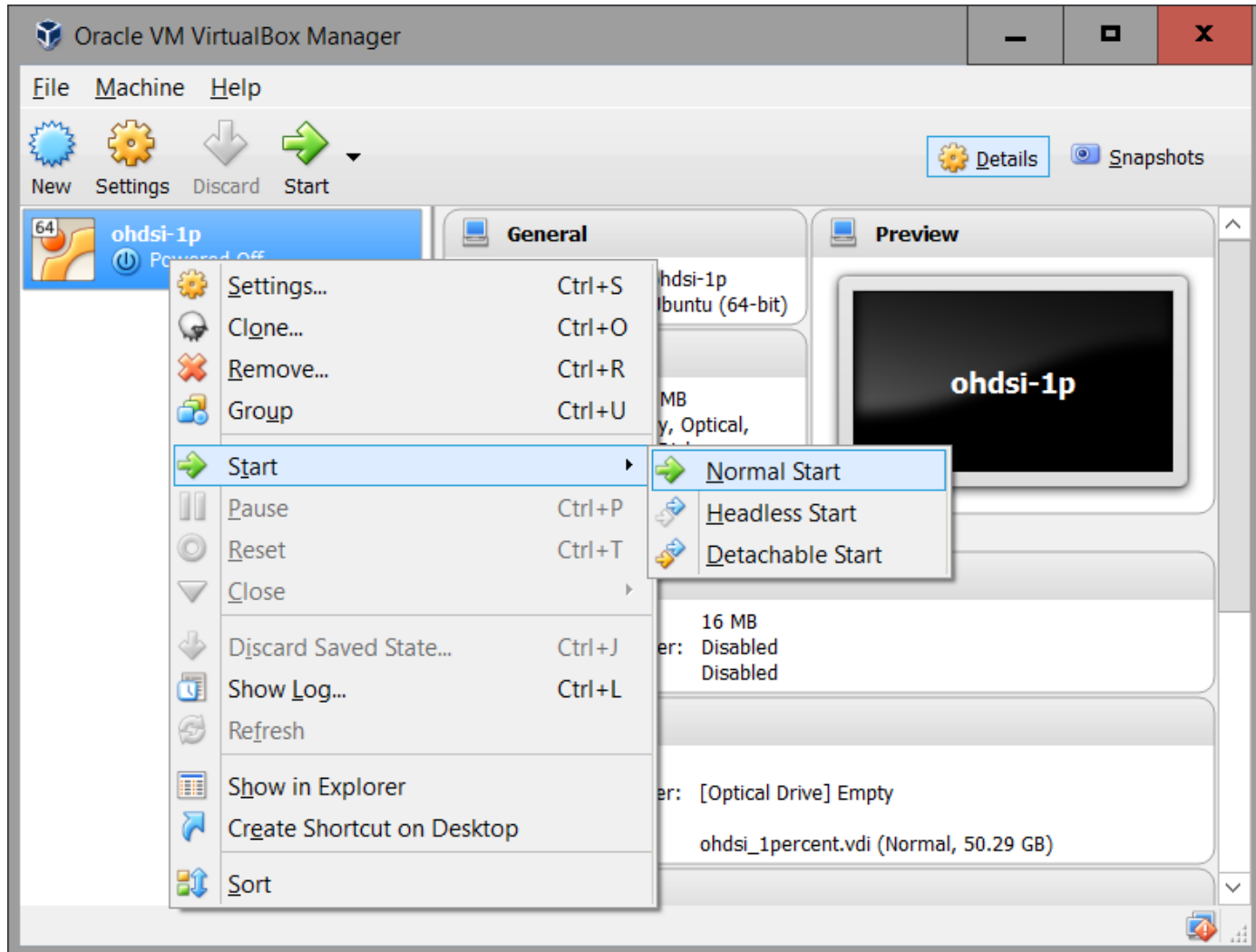
2048 MB  
4 MB 8192 MB

- ☐ Do not add a virtual hard disk
- ☐ Create a virtual hard disk now
- ☒ Use an existing virtual hard disk file



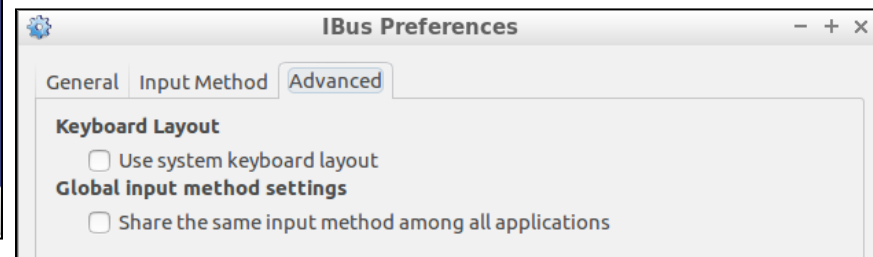
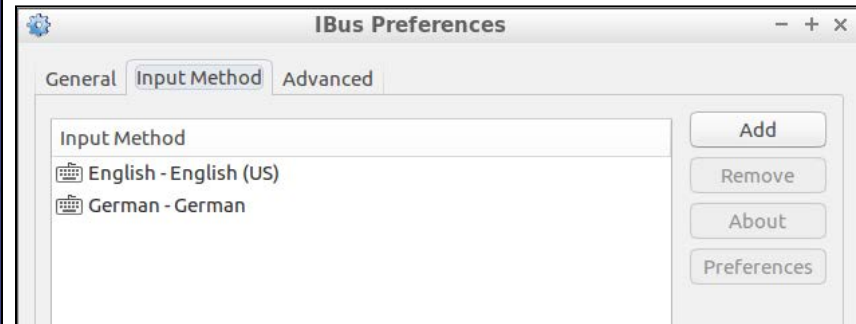
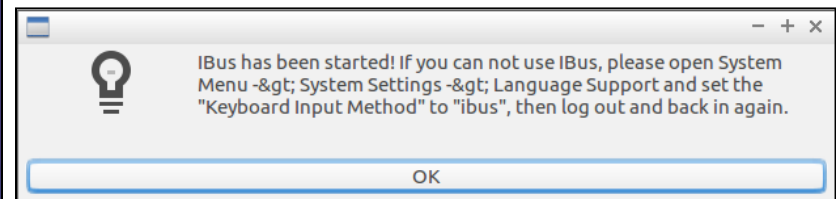
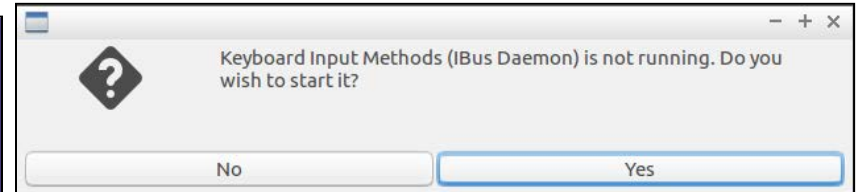


# OHDSI in a Box – Start Up



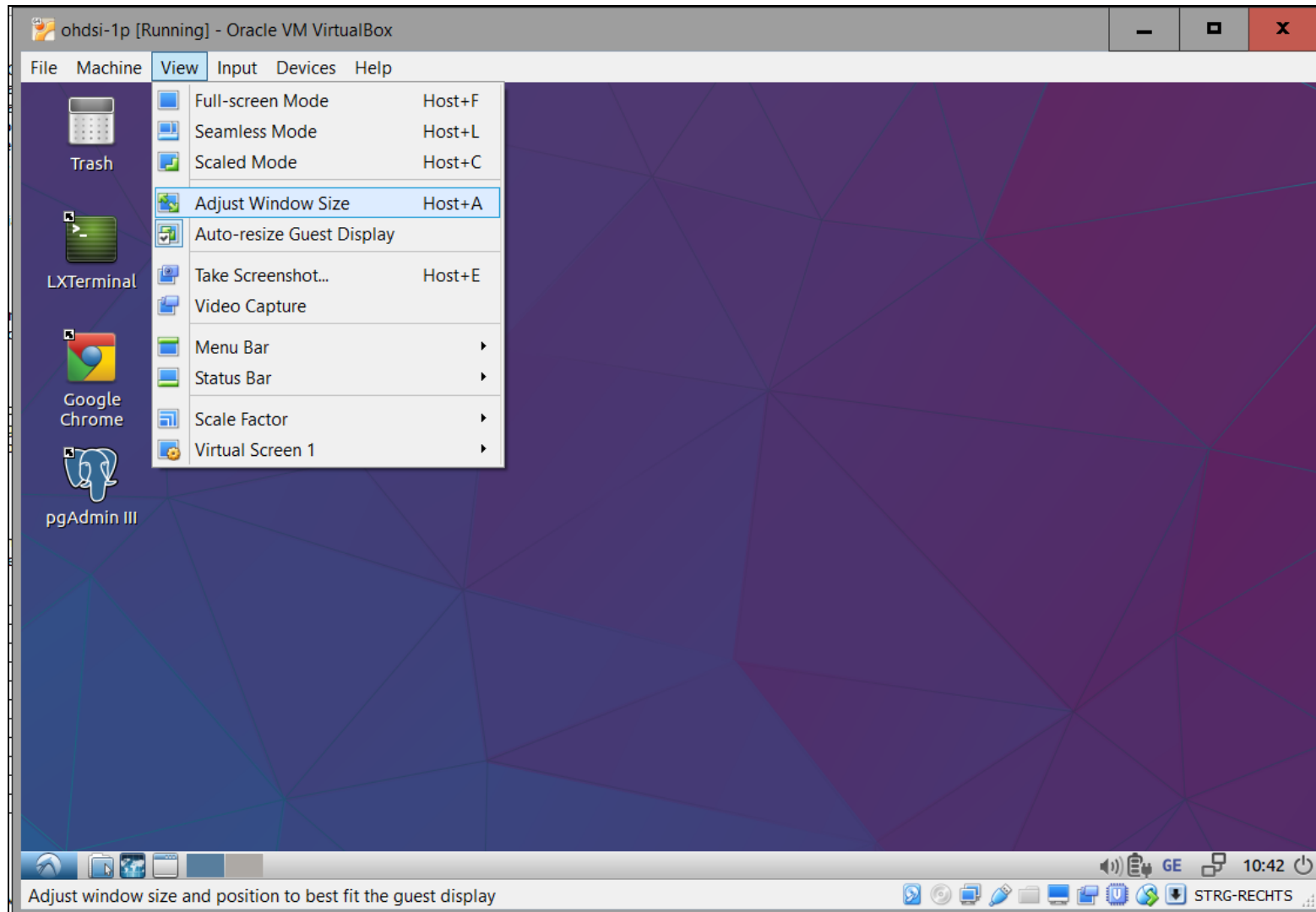


# OHDSI in a Box – International Keyboards



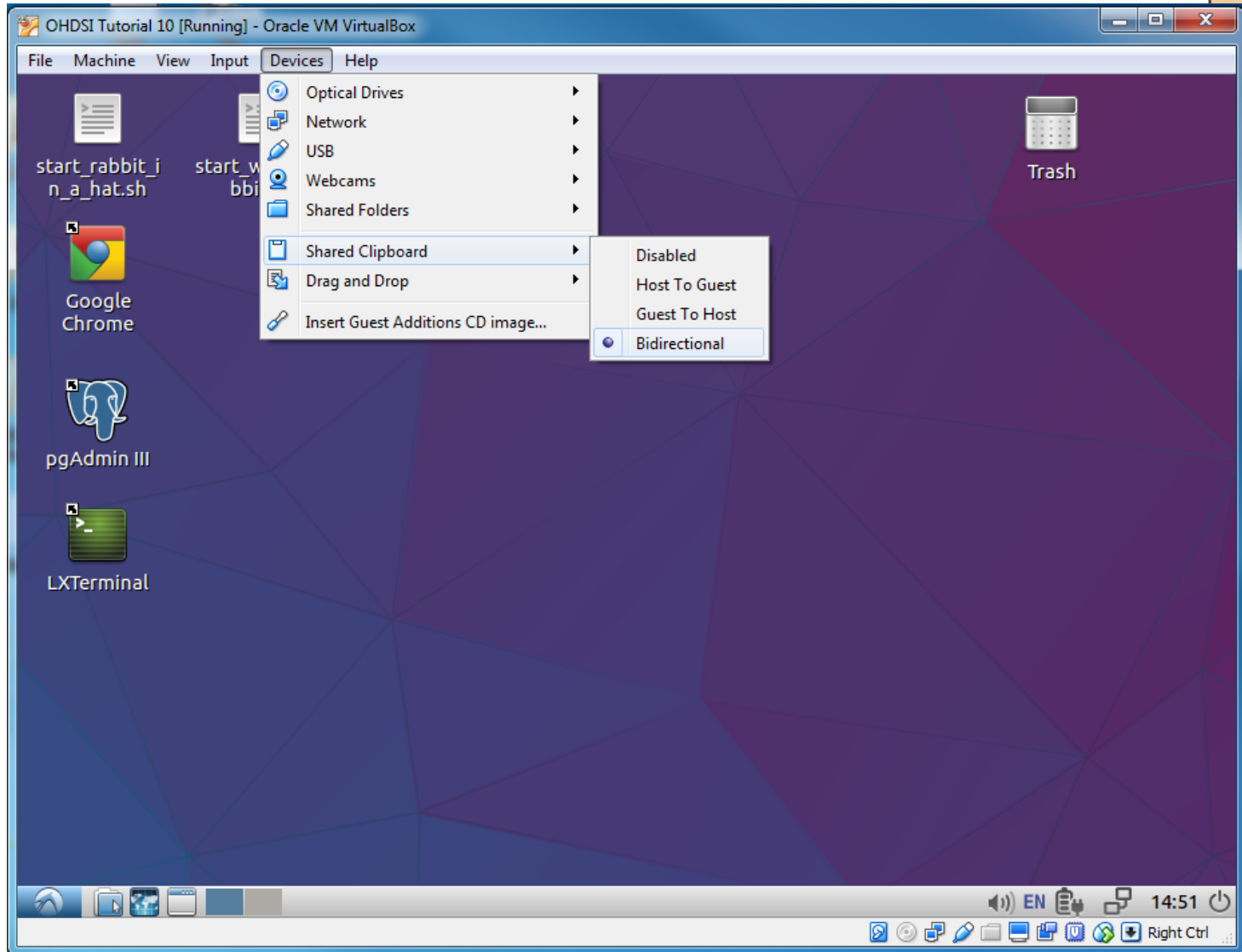


# OHDSI in a Box – Adjust Resolution



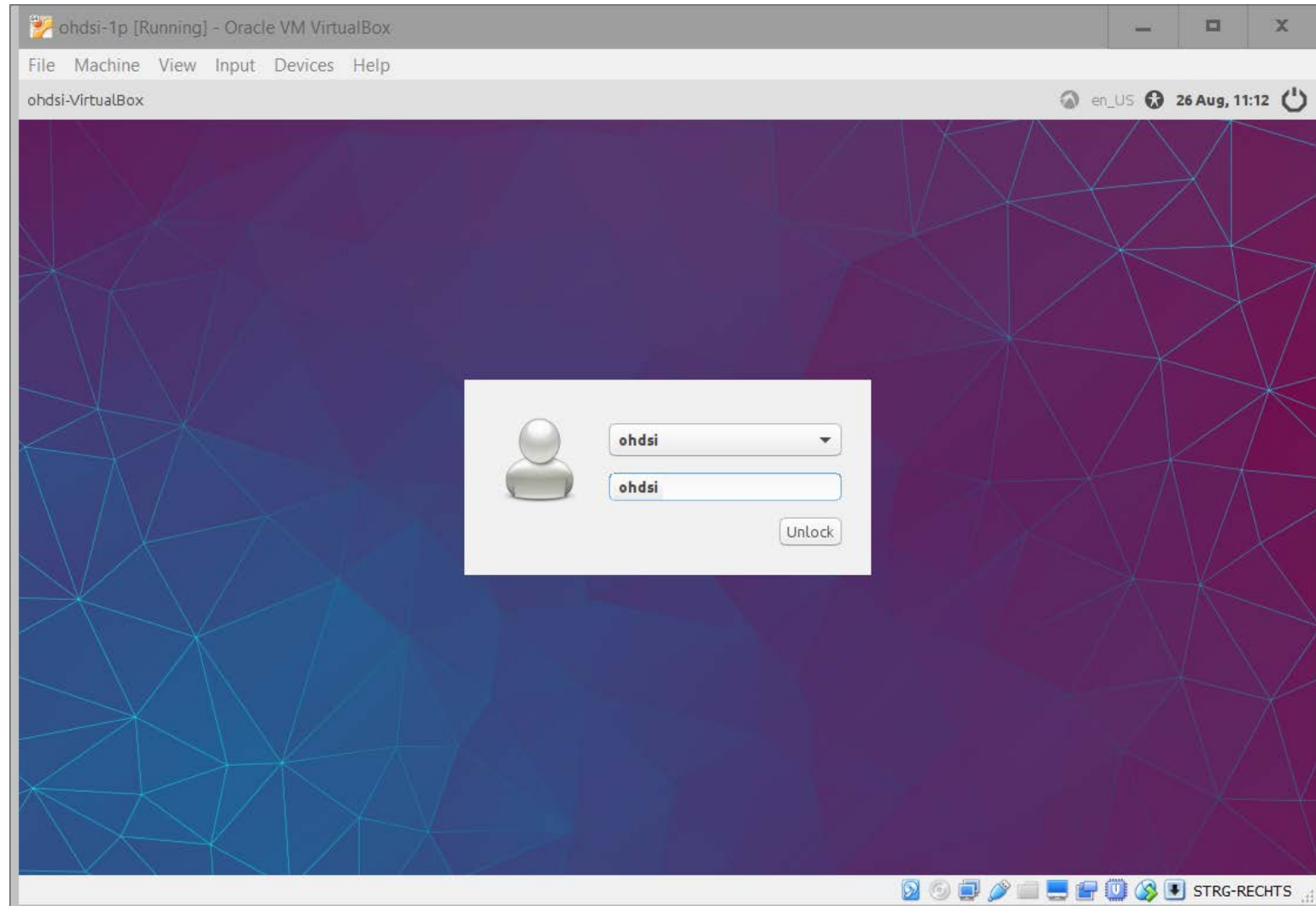


# OHDSI in a Box – Clipboard



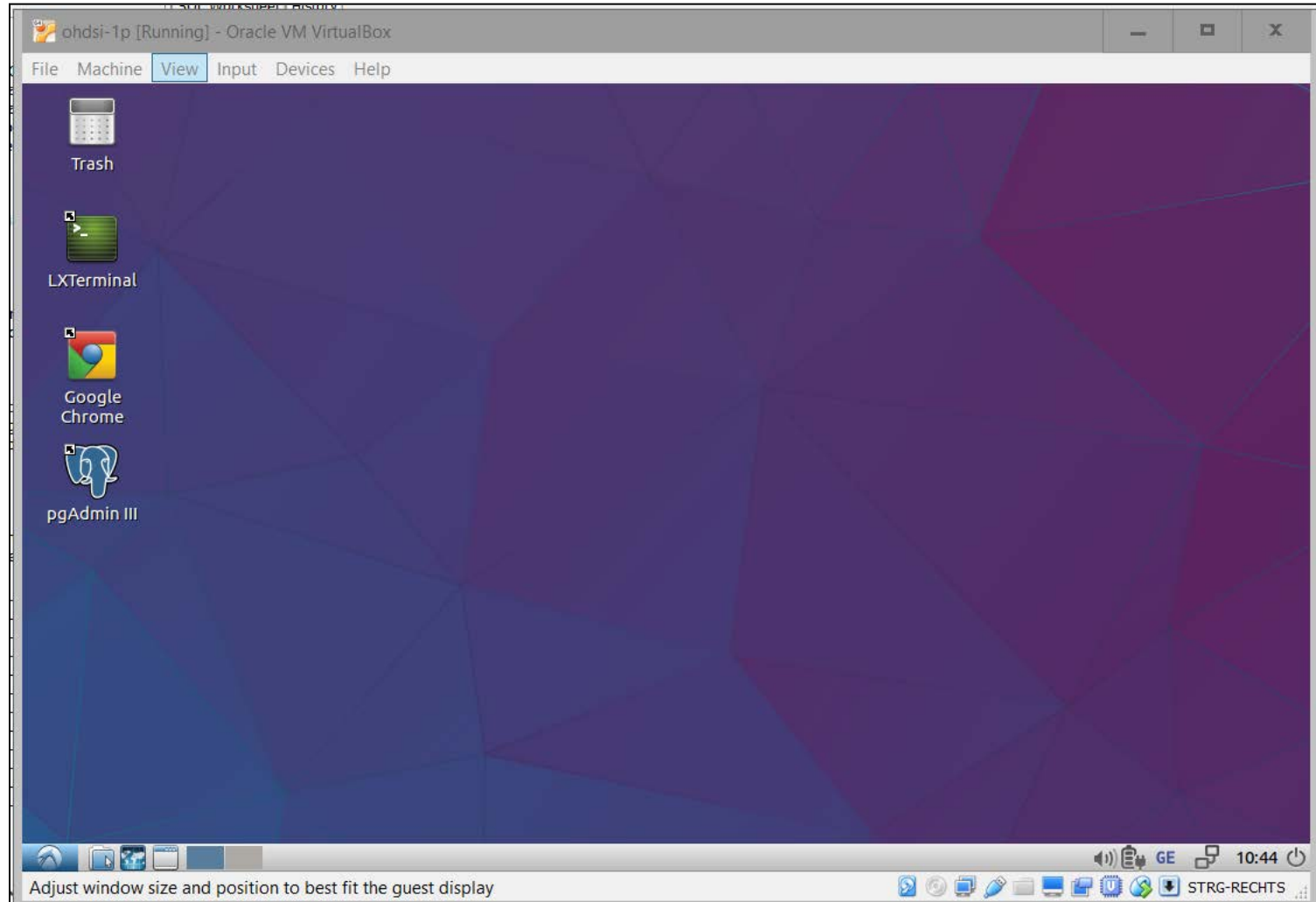


# OHDSI in a Box – Timeout





# OHDSI in a Box – Ready





# CDM Database – pgAdmin III New Server

**New Server Registration**

Properties SSL SSH Tunnel Advanced

Name: ohdsi

Host: localhost

Port: 5432

Service:

Maintenance DB: postgres

Username: ohdsi

Password: ohdsi

Store password: ☐

Colour:

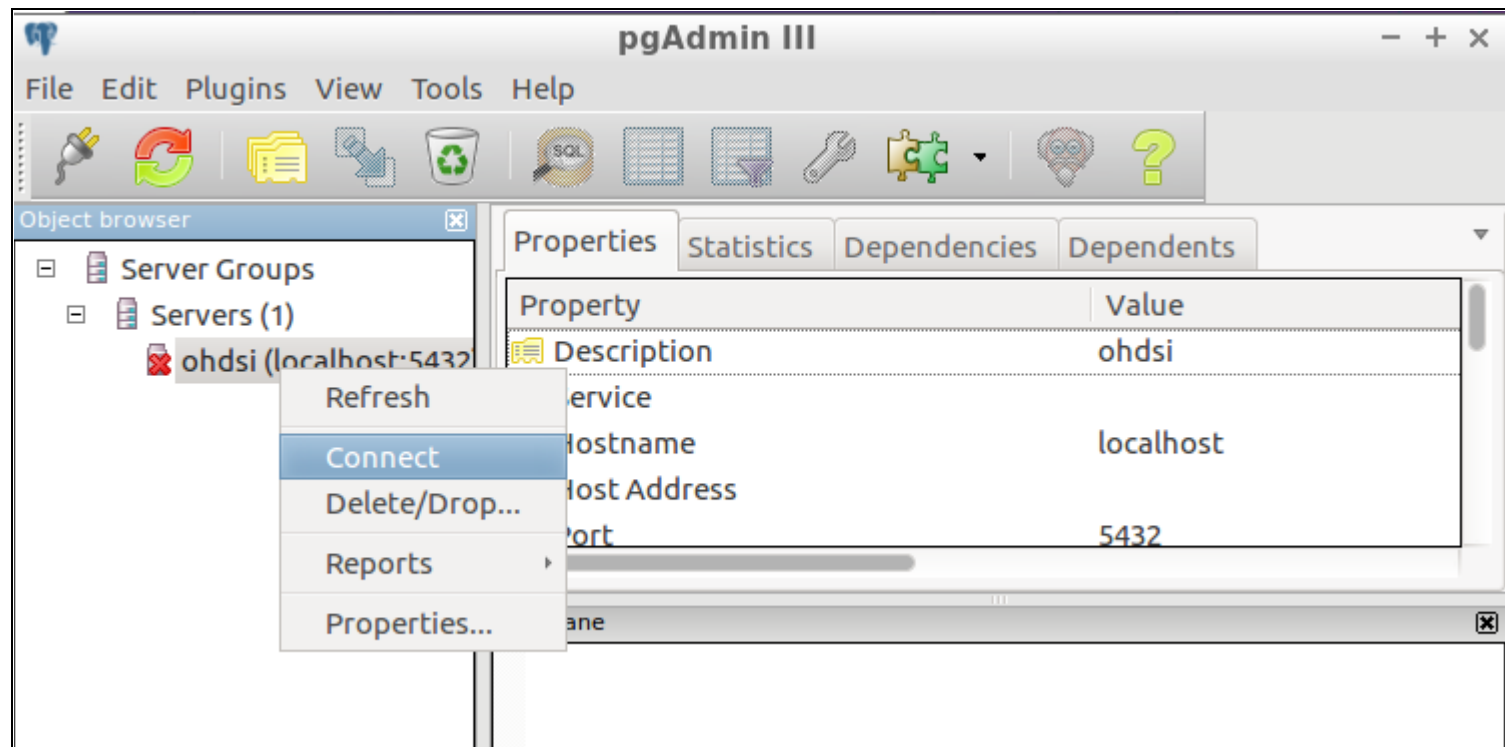
Group: Servers

? Help OK Cancel





# CDM Database – Connect





# CDM Database – Open SQL Sheet

pgAdmin III

File Edit Plugins View Tools Help

Execute arbitrary SQL queries.

Object browser

- Server Groups
  - Servers (1)
    - ohdsi (localhost:5432)
      - Databases (2)
        - ohdsi
          - Catalogs (2)
          - Event Triggers (1)
          - Extensions (1)
          - Schemas (3)
            - public

Properties Statistics Dependencies Dependents

Property	Value
Name	public
OID	2200
Owner	postgres
ACL	{postgres=UC/postgres,=UC/postgres}
Default table ACL	
Default sequence ACL	
Default function ACL	

SQL pane

```
1  -- Schema: public
2
3  -- DROP SCHEMA public;
4
5  CREATE SCHEMA public
6    AUTHORIZATION postgres;
7
8  GRANT ALL ON SCHEMA public TO postgres;
9  GRANT ALL ON SCHEMA public TO public;
10 COMMENT ON SCHEMA public
11   IS 'standard public schema';
```

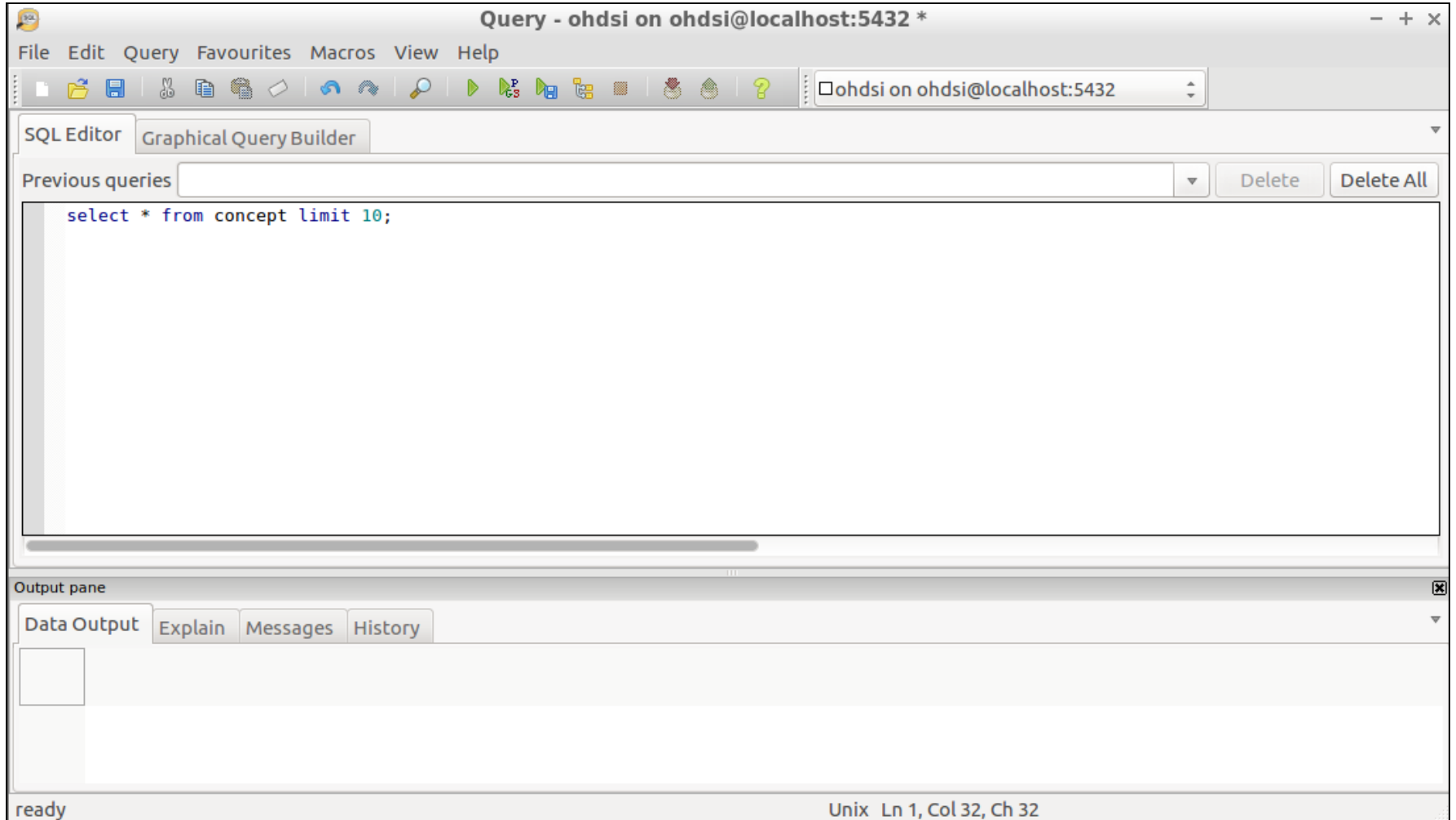
pgAdmin III

EN 13:57

STRG-RECHTS



# CDM Database – Ready





# Data Used for Demonstration

- Medicare Claims Synthetic Public Use Files (SynPUFs)
  - synthetic US Medicare insurance claims database
  - Medicare is a government based insurance program for primarily 65 and older but also individuals with disabilities
  - SynPUF not for research but rather demonstration/development purposes
  - Has been converted to the Common Data Model





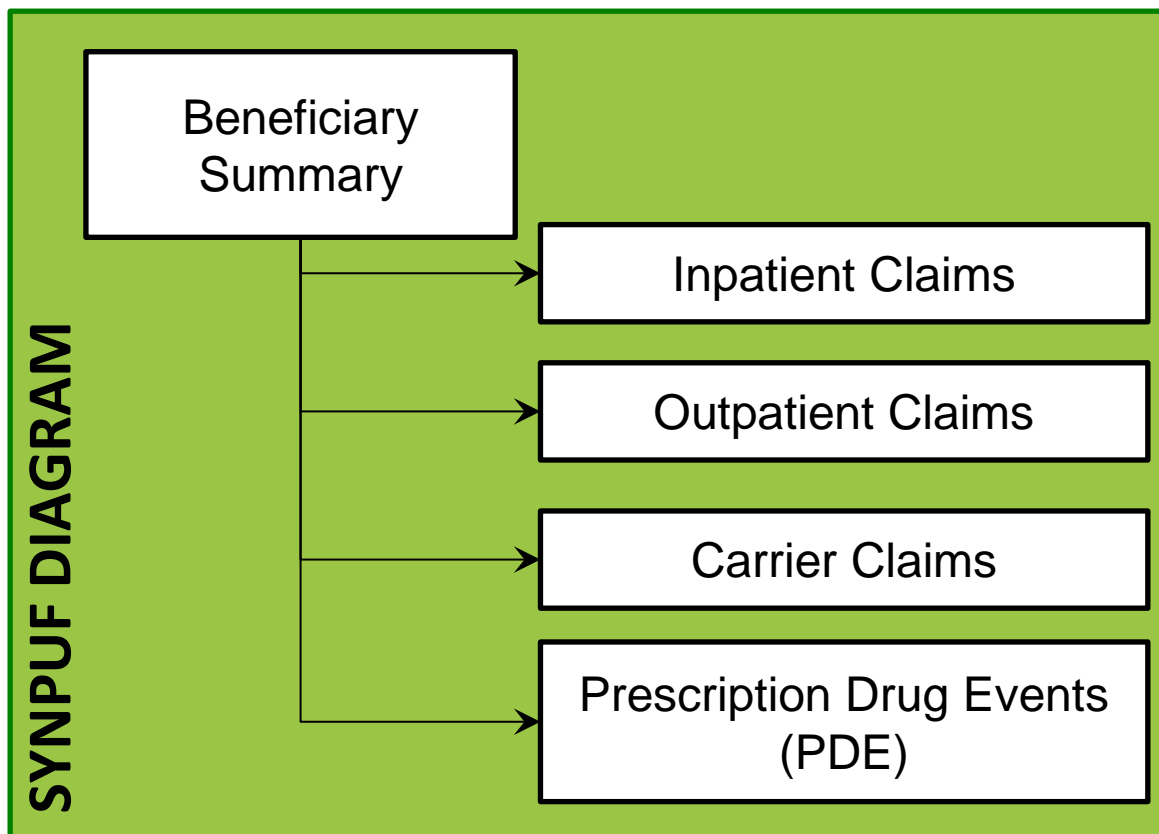
# Data Used for Demonstration

- Five types of data:

	<b>DE-SynPUF</b>	<b>Unit of record</b>	<b>Number of Records 2008</b>	<b>Number of Records 2009</b>	<b>Number of Records 2010</b>
1	<i>Beneficiary Summary</i>	Beneficiary	2,326,856	2,291,320	2,255,098
2	<i>Inpatient Claims</i>	claim	547,800	504,941	280,081
3	<i>Outpatient Claims</i>	claim	5,673,808	6,519,340	3,633,839
4	<i>Carrier Claims</i>	claim	34,276,324	37,304,993	23,282,135
5	<i>Prescription Drug Events (PDE)</i>	event	39,927,827	43,379,293	27,778,849



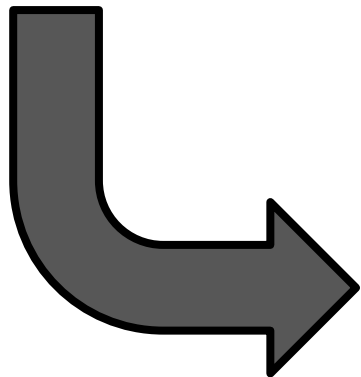
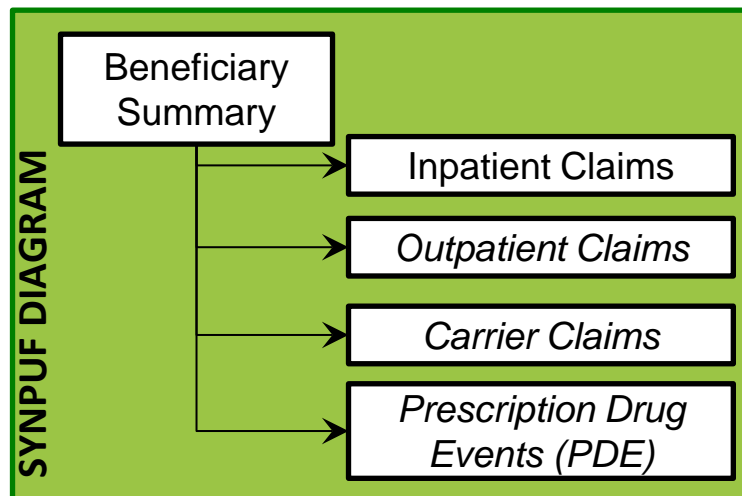
# SynPUF High Level Diagram





# Mapping SynPUF to CDM

## SynPUF



## CDM

