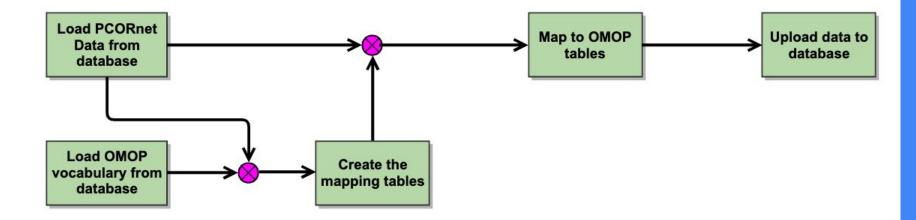
- Ali Nouina

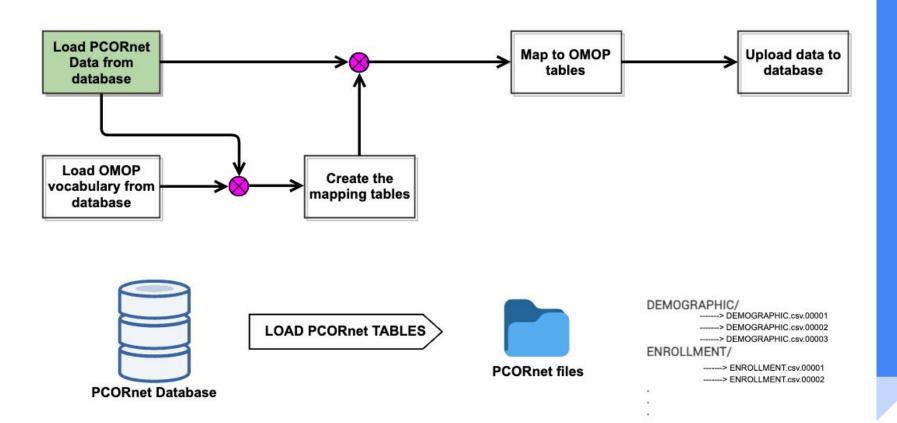
# Pyspak cluster

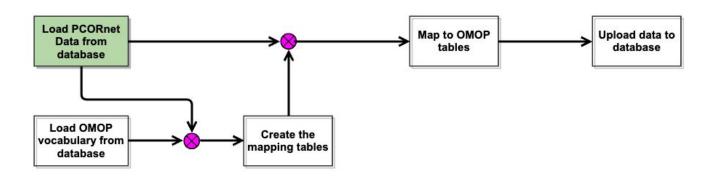
- Jason Glover

# Motivation

- Faster execution time
- User friendly
- Better tracking
- Easy to maintain







#### Parameters:

Job : -j pull\_data
Source database : -sdb [db\_name]

Source server : -ss [server\_name]

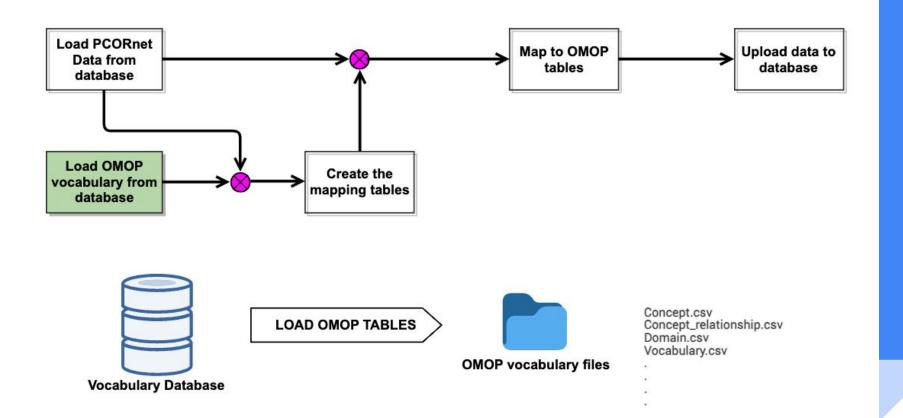
PCORnet tables : -pt [table1 table2 .....] or -pt all

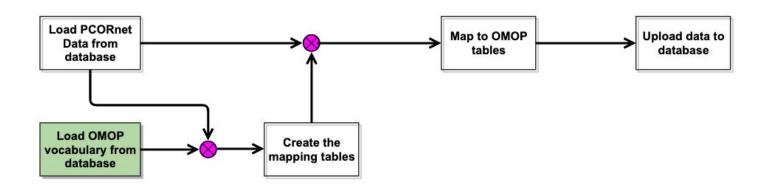
```
Example 1: Load all the poornet tables from CHAR_UFH
```

cluster run -a -- onefl\_pcornet\_to\_omop\_converter.py -j pull\_data -sbd CHAR\_UFH -ss AHC-ONEFL-DB01.ahc.ufl.edu -pt all

Example 2: Load the demographic and the enrollment tables from CHAR\_UFH

cluster run -a -- onefl\_pcornet\_to\_omop\_converter.py -j pull\_data -sbd CHAR\_UFH -pt demographic enrollment -ss AHC-ONEFL-DB01.ahc.ufl.edu



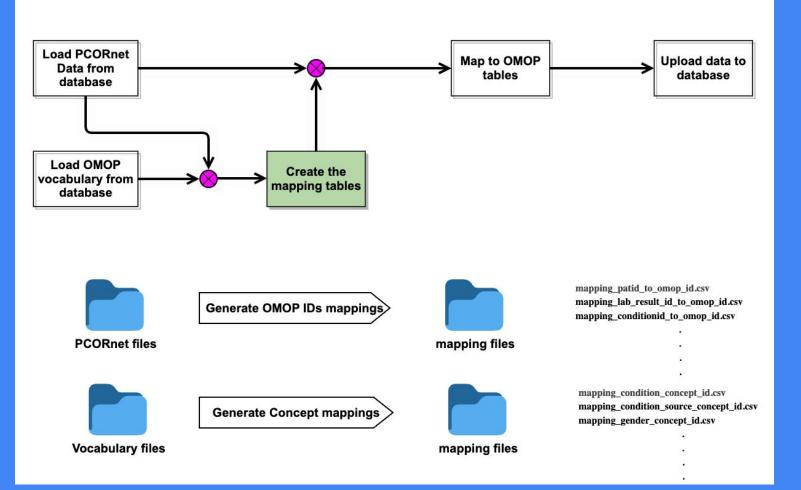


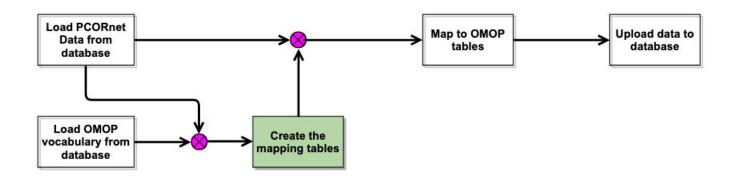
#### Parameters:

Job : -j pull\_vocab
Vocabulary database : -vdb [db\_name]
Vocabulary server : -vs [server\_name]

Example 1: Load the OMOP vocabulary tables

cluster run -a -- onefl\_pcornet\_to\_omop\_converter.py -j pull\_vocab -vdb AOU\_VOCAB\_20230504 -vs AHC-ONEFL-DB01.ahc.ufl.edu





#### Parameters:

Job : -j update\_mapping

Source data : -sdb [db\_name]

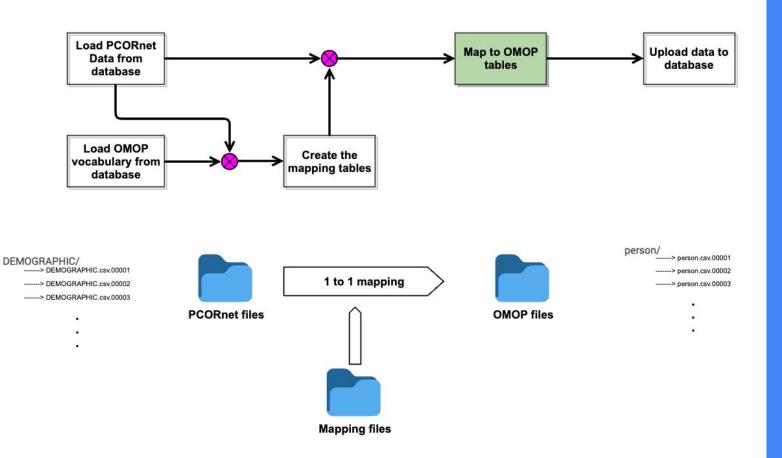
Mapping updater : -mu [mapping\_updater]

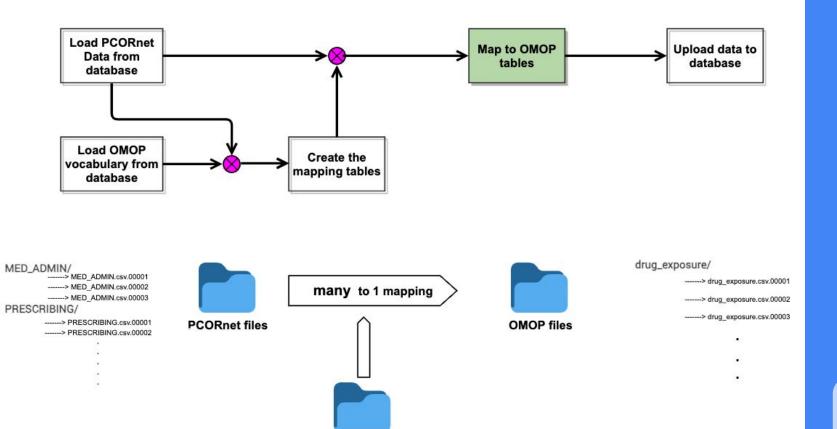
```
Example 1: Update condition_concept_id and all person_id mappings
```

```
cluster run -a -- onefl_pcornet_to_omop_converter.py -j update_mapping -sbd CHAR_UAB -mu condition_concept_id person_id

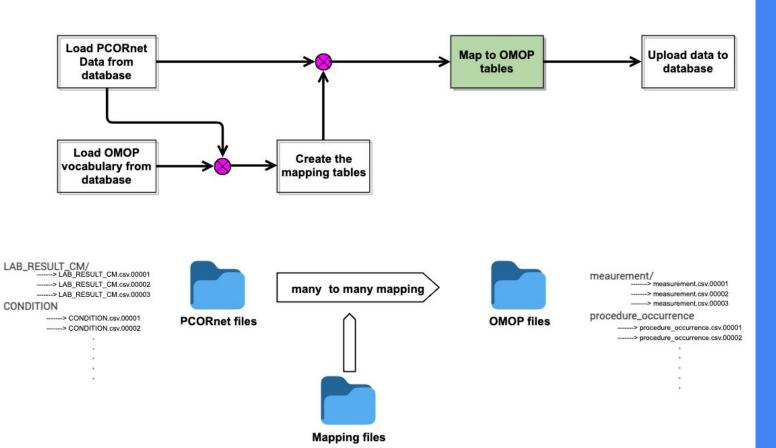
Example 2: Update all mappings

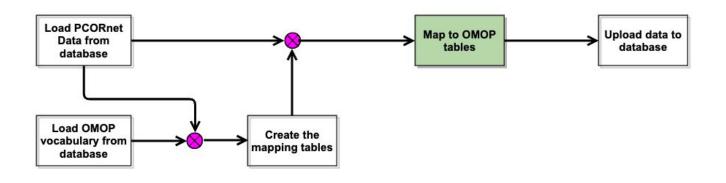
cluster run -a -- onefl_pcornet_to_omop_converter.py -j update_mapping -sbd CHAR_UAB -mu all
```





Mapping files





#### Parameters:

Job : -j map

Source data : -sdb [db\_name]

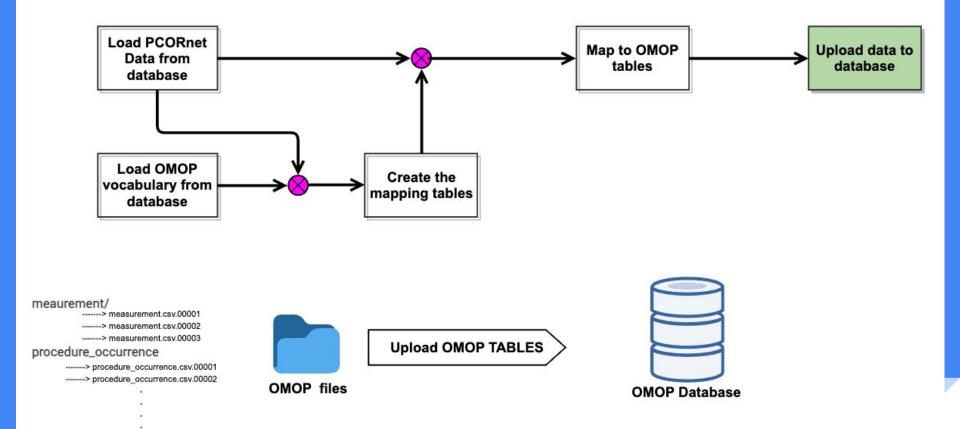
Tables to be mapped : -mt [table\_name]

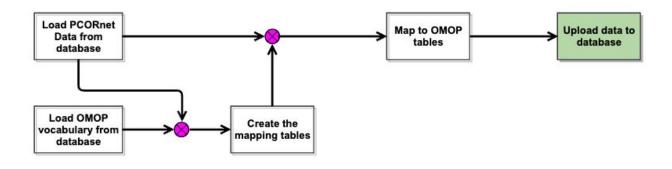
```
Example 1: Map measurement and person tables
```

```
cluster run -a -- onefl_pcornet_to_omop_converter.py -j map -sbd CHAR_UAB -mt measurement person

Example 2: Map all tables
```

cluster run -a -- onefl\_pcornet\_to\_omop\_converter.py -j map -sbd CHAR\_UAB -mt all





#### Parameters:

Job : -j upload\_data/upload\_mapping/upload\_vocab

Destination database : -ddb [db\_name]

Destination server : -ds [db\_server]

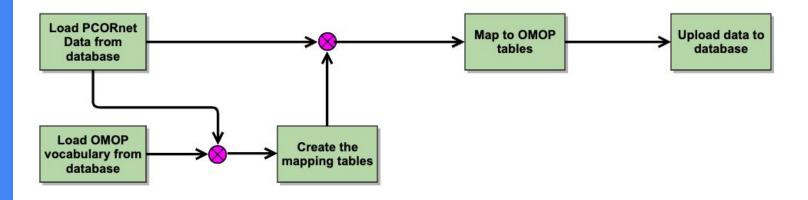
Tables to upload : -ut [table(s)\_name(s)]

#### Example 1: Upload measurement and person tables

```
cluster run -a -- onefl_pcornet_to_omop_converter.py -j upload_data -ut measurement person -ddb ONFL_OMOP_STAGING -ds AHC-ONEFL-DB01.ahc.ufl.edu

Example 2: Upload all tables
```

cluster run -a -- onefl\_pcornet\_to\_omop\_converter.py -j upload\_data -ut all -ddb ONFL\_OMOP\_STAGING -ds AHC-ONEFL-DB01.ahc.ufl.edu



Example 1: Everything Everywhere All at Once

cluster run -a -- onefl\_pcornet\_to\_omop\_converter.py -j all -mt all -pt all -mu all -pt all -sdb CHAR\_UAB -ss AHC-ONEFL-DB01.ahc.ufl.edu -vdb AOU\_VOCAB\_20230504 -vs AHC-ONEFL-DB01.ahc.ufl.edu -ddb CHAR\_UAB -ds AHC-ONEFL-DB01.ahc.ufl.edu

onefl_pcornet_to_omop_converter.py	data/
common/	> omop_vocabulary_tables/
> commonFunctions.py> dictionaries.py> settings.py	
mapping_scripts/	> [db_name]/
> 00.person_mapper.py> 01.provider_mapper.py> 02.location_mapper.py>>  mapping_updater_scripts/> 00.person_id_mapping_updater.py> 07.diagnosisid_to_omop_id_mapping_updater.py>	

## Bitbucket Readme:

#### Parameter:

```
-j (job) : all, pull_data, pull_vocab, update_mapping, map, upload_data, upload_mapping, and upload_vocab
           -sdb (source_db_name): eg. CHAR_UAB, CHAR_USF, etc
           -ss (source_db_server): eq. AHC-ONEFL-DB01.ahc.ufl.edu or AHC-ONEFL-DB03.ahc.ufl.edu
           -vdb (vocabulary_db_name): eq. AOU_VOCAB_20230504
           -vs (vocabulary_db_server): eq. AHC-ONEFL-DB01.ahc.ufl.edu or AHC-ONEFL-DB03.ahc.ufl.edu
           -ddb (destination db name): eq. ONEFL OMOP STAGING
           -ds (destination db server): eq. AHC-ONEFL-DB01.ahc.ufl.edu or AHC-ONEFL-DB03.ahc.ufl.edu
           -pt (pcornet table name): all, DEMOGRPAHIC, ENROLLMENT, LAB RESULT CM, ENCOUNTER, DIAGNOSIS, PROCEDURES, VITAL, DISPENSING, CONDITION,
PCORNET_TRIAL, DEATH, DEATH_CAUSE, MED_ADMIN, PROVIDER, OBS_CLIN, OBS_GEN, HASH_TOKEN, LDS_ADDRESS_HISTORY, HARVEST, LAB_HISTORY, IMMUNIZATION
           -mu (mapping updaters): all, 00.person id, 01.facility location location id, 02.facilityid care site id, 03.patid location id, 04.pat
05.addressid_to_omop_id, 06.medadminid_to_omop_id, 07.diagnosisid_to_omop_id, 08.dispensingid_to_omop_id, 09.immunizationid_to_omop_id, 10.presc
11.pro cm id to omop id, 12.lab result cm id to omop id, 13.obsgenid to omop id, 14.obsclinid to omop id, 15.procesuresid to omop id, 16.provideri
17. vitalid_to_omop_id, 18.conditionid_to_omop_id, 19.encounterid_to_visit_occurrence_id, 20.condition_source_concept_id, 21.condition_concept_id,
```

# 1FL DMDP CDMWETER

```
2023-09-28 16:35:42 EDT Job: 1/3
                                       --Source: Local ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables
                                                                                                                  -- destination: Local ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/omop_tables
                                                                                                                                                                                                 -- Running: 14.observation_period_mapper.py
2023-09-28 16:35:51 EDT file: 1/2
                                       -- Mapping: observation_period.csv.00001
                                                                                    -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables/ENROLLMENT/ENROLLMENT.csv.00001
                                                                                    -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables/ENROLLMENT/ENROLLMENT.csv.00002
2023-09-28 16:36:17 EDT file: 2/2
                                       -- Mapping: observation_period.csv.00002
2023-09-28 16:36:35 EDT Job: 2/3
                                       --Source: Local ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables
                                                                                                                 -- destination: Local ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/omop_tables
                                                                                                                                                                                                -- Running: 14.specimen_mapper.py
2023-09-28 16:36:43 EDT file: 1/13
                                        -- Mapping: specimen.csv.00001
                                                                           -- Source: /app/data/ONEFLDW PROD CYCLE 14 R1 20230830 UAB/pcornet tables/LAB RESULT CM/LAB RESULT CM.csv.00001
2023-09-28 16:41:50 EDT file: 2/13
                                       -- Mapping: specimen.csv.00002
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20Z30830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00002
2023-09-28 16:46:56 EDT file: 3/13
                                        -- Mapping: specimen.csv.00003
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00003
 2023-09-28 16:51:58 EDT file: 4/13
                                        -- Mapping: specimen.csv.00004
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_Z0Z30830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00004
2023-09-28 16:57:00 EDT file: 5/13
                                        -Mapping: specimen.csv.00005
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00005
2023-09-28 17:02:01 EDT file: 6/13
                                        -- Mapping: specimen.csv.00006
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00006
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00007
2023-09-28 17:07:00 EDT file: 7/13
                                        -Mapping: specimen.csv.00007
 2023-09-28 17:11:56 EDT file: 8/13
                                        -- Mapping: specimen.csv.00008
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_Z0Z30830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00008
2023-09-28 17:16:53 EDT file: 9/13
                                        -Mapping: specimen.csv.00009
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00009
2023-09-28 17:21:43 EDT file: 10/13
                                        -- Mapping: specimen.csv.00010
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20Z30830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00010
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM/.csv.00011
2023-09-28 17:26:39 EDT file: 11/13
                                        -Mapping: specimen.csv.00011
2023-09-28 17:31:34 EDT file: 12/13
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00012
                                       -- Mapping: specimen.csv.00012
2023-09-28 17:36:30 EDT file: 13/13
                                       -- Mapping: specimen.csv.00013
                                                                          -- Source: /app/data/ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables/LAB_RESULT_CM/LAB_RESULT_CM.csv.00013
2023-09-28 17:37:54 EDT Job: 3/3
                                       --Source: Local ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/pcornet_tables
                                                                                                                 -- destination: Local ONEFLDW_PROD_CYCLE_14_R1_20230830_UAB/omop_tables
                                                                                                                                                                                                -- Running: 15.death_mapper.py
```

THE END!

# Thank you!!

- Questions?

## Bitbucket:

https://bitbucket.bmi.program.ufl.edu/projects/ON/repos/pcornetcdm\_to\_omop\_conversion/browse?at=refs%2Fheads%2Fpyspark-dev-ali