**HAP720 – PHASE 3**

**CODES**

use HAP720

select \* from dbo.hap720\_seer\_distorted

select \* from dbo.hap720\_claims\_dgn\_demo\_distorted

select \* from dbo.hap720\_seer\_distorted a

join dbo.hap720\_claims\_dgn\_demo\_distorted b

on a.sex = b.sex

and a.diagnosis\_age = b.age

and a.race = b.race

-- Matching of MPI

select count(\*) as matched\_records

FROM dbo.hap720\_seer\_distorted a

JOIN dbo.hap720\_claims\_dgn\_demo\_distorted b

ON b.patient\_id = a.member\_id -----0

-- Patient matching

select count(\*) as matched\_records

from dbo.hap720\_seer\_distorted a

join dbo.hap720\_claims\_dgn\_demo\_distorted b

on a.sex = b.sex

and a.diagnosis\_age = b.age

and a.race = b.race --------1252804819

RESULTS

**A screenshot of a computer

Description automatically generated**

**A computer screen with text boxes

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**SUMMARY**

1. Compare the performance (e.g., number of matched or mismatched) between MPI and patient matching.
2. Explain why the matching is not perfect?

To compare performance between MPI and patient matching we need to run codes separately where

For MPI matching we join the two tables on patient id and member id where we assume they correspond to each other and count the number of matched records. The output for this query is 0. Which shows that there are no matched records on the basis of MPI matching.

For patient matching, we count the number of matched records by joining two tables using demographic details. Here we get 1252804819.

A screenshot of a computer

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