

VA Data Quality Summary Report Documentation

FY 2025 (updated October 2024)

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23	Incorrect Income Amount at Entry	Technical	Non-Technical
24	Missing Benefits at Entry	Technical	Non-Technical
25	Missing Health Insurance at Entry	Technical	Non-Technical
26	Very High Income at Entry	Technical	Non-Technical
27	Missing Destination	Technical	Non-Technical
28	Missing Move In Date (RRH Only)	Technical	Non-Technical
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38	Veteran with missing OND	Technical	Non-Technical
39	Veteran with missing Military Branch	Technical	Non-Technical
40	Veteran with missing Discharge Status	Technical	Non-Technical
41	No Veteran in Household	Technical	Non-Technical
42	No Head of Household	Technical	Non-Technical
43	Multiple Heads of Household	Technical	Non-Technical
44	Veteran Under 18	Technical	Non-Technical
45	Duplicate Enrollment Detected	Technical	Non-Technical
48	Over One Year Between Project Start and Housing Move-In	Technical	Non-Technical
49	Housing Move-In After Project Exit	Technical	Non-Technical
50	Housing Move-In Before Project Start	Technical	Non-Technical
51	Project Exit Before Project Start	Technical	Non-Technical
52	Same Personal ID Different DOB	Technical	Non-Technical
53	Older than 99	Technical	Non-Technical
54	Child Over 50	Technical	Non-Technical
55	CoC Code Not Correct	Technical	Non-Technical
56	HP TFA Low	Technical	Non-Technical
57	HP TFA High	Technical	Non-Technical
58	RRH TFA Low	Technical	Non-Technical
59	RRH TFA High	Technical	Non-Technical

Part 1: How to Understand the Data Quality Summary Report

Below is a table of the data checks found in the Data Quality Summary Report. Below are the definitions of the categories used in the table:

- **Field:** This is the name of the data quality check.
- **Records:** Identifies which client records are included in the check.
- **Issues:** Identifies which client records would cases an issue to be flagged.
- **Issue Type**
 - **Error:** Indicates that *all* of the issues found need to be fixed to meet VA requirements. For example, for a Veteran to be enrolled in SSVF or GPD-CM, they must provide a valid Social Security Number (SSN) to the grantee. Therefore, all missing or invalid Veteran SSNs would be counted as errors.
 - **Warning:** Indicates *possible issues* with submitted data.
 - Generally, VA expects a 95% score for each of these checks, such as Gender, Race/Ethnicity, and OEF/OIF/OND Veteran status. The expectation is not 100% as it is understandable the some clients will not know or refuse to answer some of these questions.
 - There are other warnings that indicate possible issues as a flag to grantees. For example, the “Over One Year Between Project Start and Housing Move-In” check lets grantees know how many clients have been enrolled for 1 or more years before moving into housing. This may be accurate or a data entry issue (with the entry or exit date). Accurate data should not be updated.
- **CSV File Location:** Indicates the CSV file(s) associated with the check.

#	Field	Records	Issues	Issue Type	CSV File Location
1	Social Security Number (SSN)	Count all client records	Count all missing/invalid SSNs	Warning	Client.csv
2	Veteran SSN	Count all veteran records	Count all missing/invalid SSNs	Error	Client.csv
3	Date of Birth	Count all client records	Count all missing/invalid DOBs	Warning	Client.csv
4	Gender	Count all client records	Count all missing/invalid Gender	Warning	Client.csv

#	Field	Records	Issues	Issue Type	CSV File Location
5	Race/Ethnicity	Count all client records	Count all missing/invalid Race/Ethnicity	Warning	Client.csv
6	Client Location - CoC Code	Count all HOH at Entry	Count all missing/invalid CoCCode Add difference between HOH count and HHID count	Error	EnrollmentCoC.csv
8	HP Targeting Criteria	Count all HP HOH at Entry	Count all missing/invalid HPScreeningScore	Warning	Enrollment.csv
9	DV Status Missing	Count all HoH and adults at Entry	Count all missing/invalid DomesticViolenceVictim	Warning	HealthandDV.csv
10	Veteran Status	Count all adult records	Count all missing/invalid VeteranStatus	Error	Client.csv
11	Last Grade Completed	Count all HOH and adults at Entry	Count all missing/invalid LastGradeCompleted	Warning	EmploymentEducation.csv
12	Employed	Count all HOH and adults at Entry	Count all missing/invalid Employed	Warning	EmploymentEducation.csv
13	Living Situation	Count all HOH and adults at Entry	Count all missing/invalid LivingSituation	Error	Enrollment.csv
14	Homeless HP	Count all HP HOH and adults at Entry	Count all "homeless" LivingSituation (101,116,118)	Warning	Enrollment.csv
15	Housed RRH	Count all RRH HOH and adults at Entry	Count all not homeless LivingSituation (410,411,421,422,423,426,435) and DomesticViolenceVictim does not equal "Yes"	Warning	Enrollment.csv, HealthandDV.csv
16	Disabling Condition	Count all at Entry	Count all missing/invalid DisablingCondition	Warning	Enrollment.csv
17	Homeless Date Missing	Count all RRH HOH	Count all missing/invalid DateToStreetESSH	Warning	Enrollment.csv

#	Field	Records	Issues	Issue Type	CSV File Location
	(for those from Streets/ES/SH)	and adults at Entry			
18	Months Homeless Missing (for those from ES/Streets)	Count all RRH HOH and adults at Entry	Count all missing/invalid MonthsHomeless PastThreeYears	Warning	Enrollment.csv
19	Times Homeless Missing (for those from ES/Streets)	Count all RRH HOH and adults at Entry	Count all missing/invalid TimesHomeless PastThreeYears	Warning	Enrollment.csv
20	SOAR Entry	Count all HOH and adults at Entry	Count all missing/invalid ConnectionWithSOAR (DataCollectionStage=1)	Warning	IncomeBenefits.csv
21	Missing Income at Entry	Count all HOH and adults at Entry	Count all missing/invalid IncomefromAnySource (DataCollectionStage=1)	Error	IncomeBenefits.csv
22	Missing Income Amount at Entry	Count all HOH and adults at Entry	Count all missing/invalid TotalMonthlyIncome (DataCollectionStage=1)	Error	IncomeBenefits.csv
23	Incorrect Income Amount at Entry	Count all HOH and adults at Entry	Count all TotalMonthlyIncome compared to sum of income source amounts that aren't equal (DataCollectionStage=1)	Error	IncomeBenefits.csv
24	Missing Benefits at Entry	Count all HOH and adults at Entry	Count all missing/invalid BenefitsFromAnySource (DataCollectionStage=1)	Warning	IncomeBenefits.csv
25	Missing Health Insurance at Entry	Count all clients at Entry	Count all missing/invalid InsuranceFromAnySource (DataCollectionStage=1)	Warning	IncomeBenefits.csv
26	Very High Income at Entry	Count all HOH and adults at Entry	Count all TotalMonthlyIncome greater than \$10000 (DataCollectionStage=1)	Warning	IncomeBenefits.csv

#	Field	Records	Issues	Issue Type	CSV File Location
27	Missing Destination	Count all clients at Exit	Count all missing/invalid Destination	Warning	Exit.csv
28	Missing Move In Date (RRH Only)	Count all RRH HOH at PH Exit	Count total number of HH exits to PH with no valid Housing Move-In	Error	Exit.csv + Enrollment.csv
29	SOAR Exit	Count all HOH and adults at Exit	Count all missing/invalid ConnectionWithSOAR (DataCollectionStage=3)	Warning	IncomeBenefits.csv
30	Missing Income at Exit	Count all HOH and adults at Exit	Count all missing/invalid IncomefromAnySource (DataCollectionStage=3)	Warning	IncomeBenefits.csv
31	Missing Income Amount at Exit	Count all HOH and adults at Exit	Count all missing/invalid TotalMonthlyIncome (DataCollectionStage=3)	Warning	IncomeBenefits.csv
32	Incorrect Income Amount at Exit	Count all HOH and adults at Exit	Count all TotalMonthlyIncome compared to sum of income source amounts that aren't equal (DataCollectionStage=3)	Error	IncomeBenefits.csv
33	Missing Benefits at Exit	Count all HOH and adults at Exit	Count all missing/invalid BenefitsFromAnySource (DataCollectionStage=3)	Warning	IncomeBenefits.csv
34	Missing Health Insurance at Exit	Count all clients at Exit	Count all missing/invalid InsuranceFromAnySource (DataCollectionStage=3)	Warning	IncomeBenefits.csv
35	Very High Income at Exit	Count all HOH and adults at Exit	Count all TotalMonthlyIncome greater than \$10000 (DataCollectionStage=3)	Warning	IncomeBenefits.csv
36	Veteran with missing Operation Enduring Freedom	Count all veterans	Count all missing/invalid AfghanistanOEF	Error	Client.csv
37	Veteran with missing Operation Iraqi Freedom	Count all veterans	Count all missing/invalid IraqOIF	Error	Client.csv

#	Field	Records	Issues	Issue Type	CSV File Location
38	Veteran with missing Operation New Dawn	Count all veterans	Count all missing/invalid IraqOND	Error	Client.csv
39	Veteran with missing Military Branch	Count all veterans	Count all missing/invalid MilitaryBranch	Error	Client.csv
40	Veteran with missing Discharge Status	Count all veterans	Count all missing/invalid DischargeStatus	Error	Client.csv
41	No Veteran in Household	Count all Households	Count of HHID where no member of the HH is Veteran	Warning	Client.csv + Enrollment.csv
42	No Head of Household	Count all Households	Count of HHID where no member of the HH is HOH (RelationshiptoHOH = 1)	Error	Enrollment.csv
43	Multiple Heads of Household	Count all Households	Count of HHID where more than one member of the HH is HOH (RelationshiptoHOH = 1)	Error	Enrollment.csv
44	Veteran Under 18	Count all veterans	Count where (EntryDate minus DOB) < 6570 days	Error	Client.csv
45	Duplicate Enrollment Detected	Count all client records	Count of clients simultaneously enrolled in two or more SSVF project types.	Error	Enrollment.csv
48	Over One Year Between Project Start and Housing Move-In	Count all RRH HOH and adults at Entry	Count of RRH HOH and adults where MoveInDate minus EntryDate > 366 days	Warning	Enrollment.csv
49	Housing Move-In After Project Exit	Count all RRH HOH and adults at Entry	Count of RRH HOH and adults where MoveInDate falls after ExitDate	Error	Enrollment.csv + Exit.csv
50	Housing Move-In Before Project Start	Count all RRH HOH and adults at Entry	Count of RRH HOH and adults where EntryDate falls after EntryDate	Error	Enrollment.csv

#	Field	Records	Issues	Issue Type	CSV File Location
51	Project Exit Before Project Start	Count all client records	Count of RRH HOH and adults where EntryDate falls after ExitDate	Error	Enrollment.csv + Exit.csv
52	Same Personal ID Different DOB	Count all client records	Count of PersonalID with two or more different Dates of Birth	Error	Client.csv
53	Older Than 99	Count all client records	Count where age at Entry was greater than 99 years old	Warning	Client.csv + Enrollment.csv
54	Client in household is listed as a child of the head of household AND is over 50 years old	Count all client records	Count where Head of Household's Child's age at Entry was greater than 50 years old	Warning	Client.csv + Enrollment.csv
55	CoC Code Not Correct	Count all client records	CoCCode in file is compared to the correct format for CoC Codes (two letter state dash three number code) assigned by HUD here	Error	EnrollmentCoC.csv
56	HP TFA Low	HP HOH at Entry	HP TFA sum divided by total count of Households (average TFA per HH) is under \$1,110	Warning	Services.csv
57	HP TFA High	HP HOH at Entry	HP TFA sum divided by total count of Households (average TFA per HH) is over \$12,000	Warning	Services.csv
58	RRH TFA Low	RRH HOH at Entry	RRH TFA sum divided by total count of Households (average TFA per HH) is under \$700	Warning	Services.csv
59	RRH TFA High	RRH HOH at Entry	RRH TFA sum divided by total count of Households (average TFA per HH) is over \$11,000	Warning	Services.csv

Part 2: SQL Code for Data Quality Summary Report

select distinct

```
Net = (select count(distinct n.PersonalID)
      from td_Enrollment n
      inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
      and p.ProjectType in (12,13,14,6)
      left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
      where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
      and n.file_id = f.file_id)
```

--Total number of heads of household -- these are HoH entries and not individuals.

```
, HHHeads = (select count(distinct n.EnrollmentID)
            from td_Enrollment n
            inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
            and p.ProjectType in (12,13,14,6)
            left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
            where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
```

and n.file_id = f.file_id

```
            and n.RelationshipToHoH = 1)
```

--Total HP HoH to check screening criteria -- these are HoH entries and not individuals

```
, HPHoH = (select count(distinct n.EnrollmentID)
          from td_Enrollment n
          inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
          and p.ProjectType = 12
          left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
          where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
          and n.file_id = f.file_id and n.RelationshipToHoH = 1)
```

--total RRH HOH at Entry:

```
, RRHHoH = (select count(distinct n.EnrollmentID)
```

```
from td_Enrollment n
```

```

inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    and p.ProjectType = 13
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
    and n.file_id = f.file_id and n.RelationshipToHoH = 1)
--*NEW* HPPProject count from Tracker for TFA Denominator
, HPPProject = (select count(distinct n.projectid)
    from td_Enrollment n
    inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
    where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 12)

```

```

--*NEW* RRHProject count from Tracker for TFA Denominator
, RRHProject = (select count(distinct n.projectid)
    from td_Enrollment n
    inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
    where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 13)

```

```

--*NEW* HPTFA sum from Tracker for TFA Numerator
, HPTFA = (select sum(sv.FAAmount)
    from td_Enrollment n
    inner join td_Services sv on sv.EnrollmentID = n.EnrollmentID and n.file_id=sv.file_id
and sv.DateProvided between @gstart and @gend
    and sv.RecordType = 152
    --and sv.TypeProvided in (1,2,3,4,5,8,9,10,11,12,14)
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID

```

where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 12)

--*NEW* RRHTFA sum from Tracker for TFA Numerator

```
, RRHTFA = (select sum(sv.FAAmount)
            from td_Enrollment n
            inner join td_Services sv on sv.EnrollmentID = n.EnrollmentID and n.file_id=sv.file_id
            and sv.DateProvided between @gstart and @gend
            and sv.RecordType = 152
            --and sv.TypeProvided in (1,2,3,4,5,8,9,10,11,12,14)
            inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
            left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
            where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 13)
```

--Total number of persons who were 18 or older (i.e., adults) as of a project entry date.

```
, Adults = (select count(distinct c.PersonalID)
            from td_Enrollment n
            inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
            and p.ProjectType in (12,13,14,6)
            inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
            left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
            where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
            and n.file_id = f.file_id and dateadd(yy, 18, c.dob) <= n.EntryDate)
, AllEntries = (select count(distinct n.EnrollmentID)
            from td_Enrollment n
            left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
            where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
            and n.file_id = f.file_id)
```

--Total number of project entries for adults.

```
, AdultEntries = (select count(distinct n.EnrollmentID)
            from td_Enrollment n
```

```

inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    and p.ProjectType in (12,13,14,6)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
    and n.file_id = f.file_id
    and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1))

```

--Total number of project exits

```

, AllExits = (select count(distinct n.EnrollmentID)
    from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType in (12,13,14,6)
    inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
    where x.ExitDate between @gstart and @gend
and n.file_id = f.file_id)

```

--Total number of project entries for HoH + adults served in HP.

```

, HPAdults = (select count(distinct n.EnrollmentID)
    from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType = 12
    inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
    where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id
        and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1))

```

--Total number of project entries for HoH + adults served in RRH.

```

, RRHAdults = (select count(distinct n.EnrollmentID)
    from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id

```

```

        and p.ProjectType = 13
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id
        and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1))
--Total number of project exits for adults.
, AdultExits = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType in (12,13,14,6)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where x.ExitDate between @gstart and @gend
        and n.file_id = f.file_id
        and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1))
--Total number of veterans served in the report range.
, Veterans = (select count(distinct c.PersonalID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType in (12,13,14,6)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id
        and c.VeteranStatus = 1)
--Total number of household entries in the report range.
, HHEntries = (select count(distinct n.HouseholdID)
from td_Enrollment n

```

```

left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType in (12,13,14,6)
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id)

```

--RRH exits to permanent housing - used to check for missing MoveInDates

```

, RRHExitToPH = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType = 13
inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where x.ExitDate between @gstart and @gend
        and n.file_id = f.file_id
        and n.RelationshipToHoH = 1 and x.Destination in
(423,422,426,410,411,421,435))

```

--Counts all clients with missing / invalid SSNs.

--Parameters for invalid SSNs are based on Social Security Administration conventions and CSV specs.

--1.SSN

```

, SSN = (select count(distinct c.PersonalID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType in (12,13,14,6)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and c.file_id = f.file_id
        and (SUBSTRING(c.SSN,1,3) in ('000','666'))

```

```

        or SUBSTRING(c.SSN,4,2) = '00'
        or SUBSTRING(c.SSN,6,4) = '0000'
        or SUBSTRING(c.SSN,10,1) = 'P'
        or LEN(c.SSN) < 6
        or c.SSN is null
        or c.SSN = ''
        or c.SSN Like '%[A-Z]%'
        or c.SSN Like '%[-*]%'
        or left(c.SSN,3) >= '900'
        or c.SSN like '% %'
        or c.SSN in
('123456789','111111111','222222222','333333333','444444444'
, '555555555','666666666','777777777','888888888','999999999'))))

```

--Counts all Vets with missing / invalid SSNs.

--Parameters for invalid SSNs are based on Social Security Administration conventions and CSV specs.

--2.VETSSN

```

, VetSSN = (select count(distinct c.PersonalID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13,14,6)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
and c.file_id = f.file_id
and c.VeteranStatus = 1
and coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
and (SUBSTRING(c.SSN,1,3) in ('000','666')
or SUBSTRING(c.SSN,4,2) = '00'

```

```

        or SUBSTRING(c.SSN,6,4) = '0000'
        or SUBSTRING(c.SSN,10,1) = 'P'
        or LEN(c.SSN) < 6
        or c.SSN is null
        or c.SSN = ''
        or c.SSN Like '%[A-Z]%'
        or c.SSN Like '%[-*]%'
        or left(c.SSN,3) >= '900'
        or c.SSN like '% %'
        or c.SSN in
('123456789','111111111','222222222','333333333','444444444'
, '555555555','666666666','777777777','888888888','999999999'))

```

--Counts all clients with missing / invalid DOBs, including those in the future or too far in the past to be valid.

--3.DOB

```

, DOB = (select count(distinct c.PersonalID)
        from td_Enrollment n
        inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
                and p.ProjectType in (12,13,14,6)
        inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
        left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
        where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
                and c.file_id = f.file_id
                and (c.DOB <='10/10/1910' or c.DOB is null or c.DOB > n.EntryDate
                        or c.DOBDataQuality not in (1,2)))

```

--Counts all clients with missing / invalid Gender.

--4.Gender

```

, Gender = (select count(distinct c.PersonalID)
        from td_Enrollment n

```



```

inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    and p.ProjectType in (12,13,14,6)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
    and c.file_id = f.file_id
        and (c.Woman = 0
            and c.Man = 0
            and c.NonBinary = 0
            and c.CulturallySpecific = 0
            and c.Transgender = 0
            and c.Questioning = 0
            and c.DifferentIdentity = 0
            and c.GenderNone in (8,9,99)))

```

--Counts all clients without at least one of the five races identified.

--5.Race/Ethnicity

```

, RaceEthnicity = (select count(distinct c.PersonalID)
    from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType in (12,13,14,6)
    inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
    where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and c.file_id = f.file_id
            and coalesce(c.AmIndAKNative,0) + coalesce(c.Asian,0) +
coalesce(c.BlackAfAmerican,0) + coalesce(c.HispanicLatinaeo,0) + coalesce(c.MidEastNAfrican,0) +
coalesce(c.NativeHIPacific,0)
                + coalesce(c.White,0) = 0)

```

--Counts all enrollments for heads of household entries where there is no CoC Code at project entry. IF each household has an identified

--head of household, this will be the total number of errors.

--If there are HouseholdIDs without an identified head of household, that number will be added to this number to get the total

--number of missing values.

--6.ClientLocation-COC code

, NoCoC = (select count(distinct n.EnrollmentID)

from td_Enrollment n

inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id

and p.ProjectType in (12,13,14,6)

left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id

where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend

and n.file_id = f.file_id

and n.RelationshipToHoH = 1 and n.EnrollmentCoC is null)

--Counts all enrollments for heads of household where there is no PercentAMI at project entry or it exceeds the max limit.

--IF each household has an identified

--head of household, this will be the total number of errors.

--If there are HouseholdIDs without an identified head of household, that number will be added to this number to get the total

--number of missing values.

--8. Missing HPTargeting criteria

, HPTargeting = (select count(distinct n.EnrollmentID)

from td_Enrollment n

left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id

inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id

```

        and p.ProjectType = 12
    where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id
        and n.RelationshipToHoH = 1
        and n.TargetScreenReqd = 1
        and n.HPScreeningScore is null)

```

--Counts all enrollments for HOH and adults where there is no DV Status at project entry

--9. DV Status Missing

```

, DVStatus = (select count(distinct n.EnrollmentID)
    from td_Enrollment n
        inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and
p.ProjectType in (12,13)
        inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
        left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
        left outer join td_HealthandDV h on h.EnrollmentID = n.EnrollmentID
            and h.DataCollectionStage = 1 and h.file_id = n.file_id
    where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id and n.file_id = h.file_id
        and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshiptoHoH = 1)
        and (h.DomesticViolenceVictim in (8,9,99) or h.DomesticViolenceVictim is null))

```

--Counts the total number of adults with missing / invalid VeteranStatus.

--This may undercount the total number of missing values because it excludes clients without a DOB.

--10.Missing VetStatus

```

, VetStatus = (select count(distinct c.PersonalID)

```

```

from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    and p.ProjectType in (12,13,14,6)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
    and c.file_id = f.file_id
    and dateadd(yy, 18, c.dob) <= n.EntryDate
    and (c.VeteranStatus not in (0,1) or c.VeteranStatus is null))

```

--Counts all enrollments for HOH and adults where there is no Last Grade Completed at entry

--11. Missing last grade completed

```

, LastGrade = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    and p.ProjectType in (12,13)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
left outer join td_EmploymentEducation ee on ee.EnrollmentID = n.EnrollmentID
    and ee.DataCollectionStage = 1 and ee.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
    and n.file_id = f.file_id and n.file_id = ee.file_id
    and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
    and (ee.LastGradeCompleted in (8,9,99) or ee.LastGradeCompleted is null))

```

--12. Missing Employment

```

, Employed = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id

```

```

        and p.ProjectType in (12,13)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
left outer join td_EmploymentEducation ee on ee.EnrollmentID = n.EnrollmentID
        and ee.DataCollectionStage = 1 and ee.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id and n.file_id = ee.file_id
        and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
        and (ee.Employed in (8,9,99) or ee.Employed is null))

```

--Counts the total number of enrollments for adults with missing / invalid LivingSituation.

--13. Missing living situation

```

, LivingSituation = (select count(distinct n.EnrollmentID)
        from td_Enrollment n
        inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
                and p.ProjectType in (12,13,14,6)
        inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
        left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
        where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
                and n.file_id = f.file_id
                and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
                and (n.LivingSituation in (8,9,99) or n.LivingSituation is null))

```

--Counts enrollments for adults in an HP project with a residence prior to project entry that is unequivocally homeless.

--Not included in error count / score at this time, but critical that grantees review.

--14.HomelessHP

```

, HomelessHP = (select count(distinct n.EnrollmentID)
        from td_Enrollment n

```

```

inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    and p.ProjectType = 12
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
    and n.file_id = f.file_id
    and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
    and n.LivingSituation in (101,116,118))

```

--Counts enrollments for adults in an RRH project with a residence prior to project entry that is unequivocally NOT homeless.

--Not included in error count / score at this time, but critical that grantees review.

--15. HousedRRH

```

, HousedRRH = (select count(distinct n.EnrollmentID)
    from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType = 13
    inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
    left outer join td_HealthAndDV dv on dv.EnrollmentID = n.EnrollmentID and dv.File_ID =
n.file_ID and dv.datacollectionstage = 1
    where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id
        and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
        and (n.LivingSituation in (422,423,426,410,435,421,411) and
dv.DomesticViolenceSurvivor <> 1))

```

--*/

--Counts the total number of enrollments for adults with missing / invalid values for listed fields

--16. Missing Disabling condition

```
, DisablingCond = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13,14,6)
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
and n.file_id = f.file_id
and (n.DisablingCondition not in (0,1) or n.DisablingCondition is null))
```

--For people coming from Street/ES/SH (including prior to short institutional stay) -- checks for

--missing Approximate Date Started / DateToStreetESSH

--17. Homeless Date Missing

```
, HomelessDate
= (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p
on p.ProjectID = n.ProjectID
and p.file_id = n.file_id
and p.ProjectType = 13
inner join td_client c
on c.PersonalID = n.PersonalID
and c.file_id = n.file_id
left outer join td_Exit x
on x.EnrollmentID = n.EnrollmentID
and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart
```

```

and n.EntryDate <= @gend
and n.file_id = f.file_id
and (dateadd(yy, 18, c.dob) <= n.EntryDate
    or n.RelationshipToHoH = 1)
and ((n.LivingSituation in (101,116,118))
    or (LivingSituation in (215,206,207,225,204,205)
    and LengthOfStay in (10,11,2,3)
    and PreviousStreetESSH = 1))
and (n.DateToStreetESSH is null
    or n.DateToStreetESSH > n.EntryDate
    or n.DateToStreetESSH <= '1910-01-01'))

```

--18.Month Homeless Missing

```
, MonthsHomeless = (select count(distinct n.EnrollmentID)
```

```
from td_Enrollment n
```

```
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
```

--Only checked for RRH because data standards have no valid answer for HP w/no hx of homelessness

```
and p.ProjectType = 13
```

```
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
```

```
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
```

```
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
```

```
and n.file_id = f.file_id
```

```
and ((n.LivingSituation in (101,116,118))
```

```
    or (LivingSituation in (215,206,207,225,204,205) and LengthOfStay in (10,11,2,3) and PreviousStreetESSH = 1))
```

```
and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
```

```
and (n.MonthsHomelessPastThreeYears in (8,9,99) or
n.MonthsHomelessPastThreeYears is null) )
```

--Only checked for RRH because data standards have no valid answer for HP w/no hx of homelessness

--19. Times Homeless Missing

```
, TimesHomeless = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p
    on p.ProjectID = n.ProjectID
    and p.file_id = n.file_id
    and p.ProjectType in (13)
inner join td_client c
    on c.PersonalID = n.PersonalID
    and c.file_id = n.file_id
left outer join td_Exit x
    on x.EnrollmentID = n.EnrollmentID
    and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart
    and n.EntryDate <= @gend
    and n.file_id = f.file_id
    and (dateadd(yy, 18, c.dob) <= n.EntryDate
        or n.RelationshipToHoH = 1)
    and ((n.LivingSituation in (101,116,118))
        or (LivingSituation in (215,206,207,225,204,205)
        and LengthOfStay in (10,11,2,3) and PreviousStreetESSH = 1))
    and (n.TimesHomelessPastThreeYears in (8,9,99)
        or n.TimesHomelessPastThreeYears is null)
)
```

--20.SOAR at Entry Missing

```
, SOAREntry = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
```

```

        and p.ProjectType in (12,13)
    inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
    inner join td_IncomeBenefits ie on ie.file_id = n.file_id and ie.EnrollmentID =
n.EnrollmentID and ie.DataCollectionStage = 1
        and ie.file_id = n.file_id
    where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id
        and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
        and (ie.ConnectionWithSOAR not in (0,1) or ie.ConnectionWithSOAR is null))

```

--Counts the total number of enrollments for adults with missing / invalid values for Income from Any Source at project entry.

--21.Missing Income at Entry

```

, AnyIncomeEntry = (select count(distinct n.EnrollmentID)
    from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType in (12,13)
    inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
    inner join td_IncomeBenefits ie on ie.file_id = n.file_id and ie.EnrollmentID =
n.EnrollmentID and ie.DataCollectionStage = 1
        and ie.file_id = n.file_id
    where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id
        and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
        and (ie.IncomeFromAnySource in (8,9,99) or ie.IncomeFromAnySource is null))

```

--Counts the total number of enrollments for adults where Income from Any Source at project entry is 'Yes', but

--Total Monthly Income is either \$0 or is missing.

--22.Missing Income amount at Entry

```
, MonthlyIncomeEntry = (select count(distinct n.EnrollmentID)
    from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType in (12,13)
    inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
    left outer join td_IncomeBenefits ie on ie.file_id = n.file_id and ie.EnrollmentID =
n.EnrollmentID and ie.DataCollectionStage = 1
    where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id
        and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
        and ie.IncomeFromAnySource = 1
        and (ie.TotalMonthlyIncome is null or ie.TotalMonthlyIncome <= 0.0))
```

--Total number of enrollments where the sum of income source amounts is not equal to the total monthly income amount at project entry.

--23.Incorrect Income Amount at Entry

```
, TotalVsSrcEntry = (select count(distinct n.EnrollmentID)
    from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType in (12,13)
    inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
    left outer join td_IncomeBenefits ie on ie.file_id = n.file_id and ie.EnrollmentID =
n.EnrollmentID and ie.DataCollectionStage = 1
    where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and n.file_id = f.file_id
        and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
```

```

and (coalesce(ie.AlimonyAmount, 0.0) + coalesce(ie.ChildSupportAmount, 0.0) +
coalesce(ie.EarnedAmount, 0.0)
+ coalesce(ie.GAAmount, 0.0) + coalesce(ie.OtherIncomeAmount, 0.0) +
coalesce(ie.PensionAmount, 0.0)
+ coalesce(ie.PrivateDisabilityAmount, 0.0) + coalesce(ie.SSDIAmount, 0.0) +
coalesce(ie.SSIAmount, 0.0)
+ coalesce(ie.SocSecRetirementAmount, 0.0) + coalesce(ie.TANFAmount, 0.0) +
coalesce(ie.UnemploymentAmount, 0.0)
+ coalesce(ie.VADisabilityNonServiceAmount, 0.0) + coalesce(ie.VADisabilityServiceAmount,
0.0)
+ coalesce(ie.WorkersCompAmount, 0.0)) <> coalesce(ie.totalmonthlyincome, 0.0))

```

--Counts the total number of enrollments for adults with missing / invalid values for Benefits from Any Source at project entry.

--24.Missing Benefits at Entry

```

, AnyBenefitsEntry = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
left outer join td_IncomeBenefits ie on ie.file_id = n.file_id and ie.EnrollmentID =
n.EnrollmentID and ie.DataCollectionStage = 1
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
and n.file_id = f.file_id
and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
and (ie.BenefitsFromAnySource in (8,9,99) or ie.BenefitsFromAnySource is null))

```

--Counts the total number of enrollments with missing / invalid values for Insurance from Any Source at project entry.

--25.Missing Health Insurance at Entry

```

, AnyInsuranceEntry = (select count(distinct n.EnrollmentID)

```

```

from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    and p.ProjectType in (12,13)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
inner join td_IncomeBenefits ie on ie.file_id = n.file_id and ie.EnrollmentID =
n.EnrollmentID and ie.DataCollectionStage = 1
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
    and n.file_id = f.file_id
    and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
    and (ie.InsuranceFromAnySource in (8,9,99) or ie.InsuranceFromAnySource is
null))

```

--Counts the total number of enrollments for adults where Total Monthly Income exceeds \$5000.

--26.Very High Income At Entry

```

, HighIncomeEntry = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    and p.ProjectType in (12,13)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
inner join td_IncomeBenefits ie on ie.file_id = n.file_id and ie.EnrollmentID =
n.EnrollmentID and ie.DataCollectionStage = 1
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
    and n.file_id = f.file_id
    and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
    and (ie.TotalMonthlyIncome > 10000.0))

```

--Counts the total number of exits missing / invalid values for Destination.

--27.Missing Destination

```
, Destination = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13,14,6)
inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where x.ExitDate between @gstart and @gend
and n.file_id = f.file_id
and (x.Destination in (8,9,30,99) or x.Destination is null))
```

--Counts the total number of HoH exits to permanent housing with no valid MoveInDate.

--28.Missing MoveIn Date

```
, MoveInDate = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType = 13
inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where x.ExitDate between @gstart and @gend
and n.file_id = f.file_id
and n.RelationshipToHoH = 1
and (x.Destination in (422,423,426,410,435,421,411))
and (n.MoveInDate is null or n.MoveInDate < n.EntryDate or n.MoveInDate >
x.ExitDate))
```

--Income and benefits at exit -- aside from the data collection stage, logic is the same as at entry.

--29.Missing SOAR at Exit

```
, SOARExit = (select count(distinct ix.EnrollmentID)
FROM td_IncomeBenefits ix
```

```

        inner join td_Enrollment n on ix.EnrollmentID = n.enrollmentID and
ix.DataCollectionStage = 3 and n.file_id = ix.file_id

        inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = ix.file_id

        inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = ix.file_id and
p.ProjectType in (12,13)

        inner join td_Client c on c.PersonalID = ix.PersonalID and c.file_id = ix.file_id

        where ix.file_id = f.file_id and x.ExitDate between @gstart and @gend
and (dateadd(yy, 18, c.dob) <= x.ExitDate or n.RelationshipToHoH = 1)
and (ix.ConnectionWithSOAR not in (0,1) or ix.ConnectionWithSOAR is null))

```

--30.Missing Income at Exit

```

, AnyIncomeExit = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13)
inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
left outer join td_IncomeBenefits ix on ix.EnrollmentID = n.EnrollmentID and
ix.DataCollectionStage = 3 and ix.file_id = n.file_id
where x.ExitDate between @gstart and @gend
and n.file_id = f.file_id
and (dateadd(yy, 18, c.dob) <= x.ExitDate or n.RelationshipToHoH = 1)
and (ix.IncomeFromAnySource not in (0,1) or ix.IncomeFromAnySource is null))

```

--31.Missing Income Amount at Exit

```

, MonthlyIncomeExit = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13)

```

```

inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
left outer join td_IncomeBenefits ix on ix.EnrollmentID = n.EnrollmentID and
ix.DataCollectionStage = 3 and ix.file_id = n.file_id

where x.ExitDate between @gstart and @gend

and n.file_id = f.file_id

and (dateadd(yy, 18, c.dob) <= x.ExitDate or n.RelationshipToHoH = 1)

and ix.IncomeFromAnySource = 1

and (ix.TotalMonthlyIncome is null or ix.TotalMonthlyIncome = 0.0)

and n.file_id = f.file_id)

```

--32.Incorrect Income Amount at Exit

```

, TotalVsSrcExit = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13)
inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
left outer join td_IncomeBenefits ix on ix.EnrollmentID = n.EnrollmentID and
ix.DataCollectionStage = 3 and ix.file_id = n.file_id

where x.ExitDate between @gstart and @gend

and n.file_id = f.file_id

and (dateadd(yy, 18, c.dob) <= x.ExitDate or n.RelationshipToHoH = 1)

and ix.IncomeFromAnySource = 1

and (coalesce(ix ALIMONYAMOUNT, 0.0) + coalesce(ix.CHILDSUPPORTAMOUNT, 0.0)
+ coalesce(ix.EARNEDAMOUNT, 0.0) + coalesce(ix.GAAmount, 0.0)
+ coalesce(ix.OTHERINCOMEAMOUNT, 0.0) + coalesce(ix.PENSIONAMOUNT,
0.0)
+ coalesce(ix.PRIVATEDISABILITYAMOUNT, 0.0) + coalesce(ix.SSDIAMOUNT, 0.0)

```



```

+ coalesce(ix.SSIAmount, 0.0) + coalesce(ix.SocSecRetirementAmount,
0.0)
+ coalesce(ix.TANFAmount, 0.0) + coalesce(ix.UnemploymentAmount, 0.0)
+ coalesce(ix.VADisabilityNonServiceAmount, 0,0) + coalesce(ix.VADisabilityServiceAmount,
0.0)
+ coalesce(ix.WorkersCompAmount, 0.0)) <> coalesce(ix.totalmonthlyincome, 0.0))

```

--33.Missing Benefits at Exit

```

, AnyBenefitsExit = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13)
inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
left outer join td_IncomeBenefits ix on ix.EnrollmentID = n.EnrollmentID and
ix.DataCollectionStage = 3 and ix.file_id = n.file_id
where x.ExitDate between @gstart and @gend
and n.file_id = f.file_id
and (dateadd(yy, 18, c.dob) <= x.ExitDate or n.RelationshipToHoH = 1)
and (ix.BenefitsFromAnySource not in (0,1) or ix.IncomeFromAnySource is null))

```

--34.Missing Health Insurance at Exit

```

, AnyInsExit = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13)
inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
inner join td_IncomeBenefits ix on ix.EnrollmentID = n.EnrollmentID and
ix.DataCollectionStage = 3 and ix.file_id = n.file_id
where x.ExitDate between @gstart and @gend

```

```
and n.file_id = f.file_id
and (ix.InsuranceFromAnySource not in (0,1) or ix.InsuranceFromAnySource is
null))
```

--35.Very High Income at Exit

```
, HighIncomeExit = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13)
inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
inner join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
inner join td_IncomeBenefits ix on ix.EnrollmentID = n.EnrollmentID and
ix.DataCollectionStage = 3 and ix.file_id = n.file_id
where x.ExitDate between @gstart and @gend
and n.file_id = f.file_id
and (dateadd(yy, 18, c.dob) <= x.ExitDate or n.RelationshipToHoH = 1)
and (ix.TotalMonthlyIncome > 10000.0))
```

--Counts of veterans with specific missing veteran information. Other fields are important and may be added soon,

--but these are the ones most frequently reported on.

--36.Missing OEF

```
, OEF = (select count(distinct c.PersonalID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
and c.file_id = f.file_id
```

and c.VeteranStatus = 1
and (c.AfghanistanOEF not in (0,1) or c.AfghanistanOEF is null))

--37.Missing OIF

```
, OIF = (select count(distinct c.PersonalID)
        from td_Enrollment n
        inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
            and p.ProjectType in (12,13)
        inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
        left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
        where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
            and c.file_id = f.file_id
            and c.VeteranStatus = 1
            and (c.IraqOIF not in (0,1) or c.IraqOIF is null))
```

--38.Missing OND

```
, OND = (select count(distinct c.PersonalID)
        from td_Enrollment n
        inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
            and p.ProjectType in (12,13)
        inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
        left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
        where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
            and c.file_id = f.file_id
            and c.VeteranStatus = 1
            and (c.IraqOND not in (0,1) or c.IraqOND is null))
```

--39.Missing Military Branch

```
, MilitaryBranch = (select count(distinct c.PersonalID)
```

```

from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    and p.ProjectType in (12,13)
inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
    and c.file_id = f.file_id
    and c.VeteranStatus = 1
    and (c.MilitaryBranch in (8,9,99) or c.MilitaryBranch is null) )

```

--40. Missing Discharge Status

```

, DischargeStatus = (select count(distinct c.PersonalID)
    from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        and p.ProjectType in (12,13)
    inner join td_client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
    where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
        and c.file_id = f.file_id
        and c.VeteranStatus = 1
        and (c.DischargeStatus in (8,9,99) or c.DischargeStatus is null))

```

--Count of distinct HouseholdIDs where no member of the household is identified as a veteran

--41. No Vet in Household

```

, NoVetHH = (select count(dt.householdid) as error_count
from
(
SELECT n.householdid
--, count(te.householdid) as count_house

```

--, count(case tc.veteranstatus when 1 then 1 else null end) as count_status

FROM td_client tc, td_enrollment n

inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in (12,13,14,6)

left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id

where tc.file_id = n.file_id and tc.PersonalID = n.PersonalID

--and tc.file_id = '5b0451c87e764' --'5b0447327d4b4'

and coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend

and n.file_id = f.file_id

group by householdid

having count(case tc.veteranstatus when 1 then 1 else null end) = 0

) dt

)

/*(select count(distinct n.HouseholdID)

from td_Enrollment n

inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id

and p.ProjectType in (12,13)

inner join td_enrollment vet on vet.HouseholdID = n.HouseholdID and vet.file_id = n.file_id

left outer join td_client cvet on cvet.PersonalID = vet.PersonalID and cvet.file_id = vet.file_id and cvet.VeteranStatus = 1

left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id

where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend

and n.file_id = f.file_id

and cvet.PersonalID is null)

*/

--Count of distinct HouseholdIDs where no member of the household has a relationship to HoH of 1 (Self)

--42.No Head of Household

```
, NoHOH = (select count(distinct n.HouseholdID)
           from td_Enrollment n
           inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
                and p.ProjectType in (12,13,14,6)
           left outer join td_enrollment hoh on hoh.HouseholdID = n.HouseholdID and hoh.file_id
= n.file_id and hoh.relationshiptoHoH = 1
           left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
           where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
                and n.file_id = f.file_id
                and hoh.householdID is null)
```

--Count of distinct HouseholdIDs where more than one member of the household has a relationship to HoH of 1

--43.Multiple Head of Household

```
, MultiHOH = (select count(distinct n.HouseholdID)
              from td_Enrollment n
              inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
                    and p.ProjectType in (12,13,14,6)
              inner join (select hh.file_id, hh.HouseholdID
                          from td_enrollment hh
                          where hh.RelationshipToHoH = 1
                          group by hh.file_id, hh.HouseholdID
                          having count(distinct hh.PersonalID) > 1) hoh on hoh.HouseholdID =
n.HouseholdID and hoh.file_id = n.file_id)
```

```
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
and n.file_id = f.file_id)
```

--44.Veteran Under 18

```
, VetUnder18 = (select count(distinct n.EnrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
and p.ProjectType in (12,13,14,6)
inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where coalesce(x.exitdate, @gend) >= @gstart and n.EntryDate <= @gend
and n.file_id = f.file_id
and (c.VeteranStatus = 1)
and (dateadd(yy, 18, c.dob) > n.EntryDate))
```

--45.Duplicate Enrollment Detected

```
, DuplicateEnrollmentDetected = (select count(distinct n.PersonalID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in
(12,13)
inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
inner join (select de.PersonalID, de.EnrollmentID, de.file_id
from td_enrollment de
group by de.PersonalID, de.EnrollmentID, de.file_id
```

```

having count(distinct de.PersonalID) > 1) pe on pe.PersonalID =
n.PersonalID and pe.file_id = n.file_id
where ((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend
and n.file_id = f.file_id)

```

--48.Over one year between Project Start and Housing Move in Date'

```

, OverOneYearBetweenProjectStartAndHousingMoveIn = (select count(distinct n.enrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in
(13)
inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where (DATEDIFF(day,n.EntryDate, n.MoveInDate) > '365')
and (dateadd(yy, 18, c.dob) <= n.EntryDate or n.RelationshipToHoH = 1)
and ((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend
and n.file_id = f.file_id)

```

--49.Housing Move In Date must be on or before Project Exit Date'

```

, HousingMoveInAfterProjectExit = (select count(distinct n.enrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in
(13)
inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where (n.MoveInDate > x.ExitDate)
and (dateadd(yy, 18, c.dob) <= n.EntryDate and n.RelationshipToHoH = 1)
and ((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend
and n.file_id = f.file_id)

```


--50.Housing Move In Date must be on or after Project Start Date'

```
    , HousingMoveInBeforeProjectStart = (select count(distinct n.enrollmentid)
from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in
(13)
    inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where (n.MoveInDate <> '1900-01-01') and
    (n.MoveInDate < n.EntryDate)
    and (dateadd(yy, 18, c.dob) <= n.EntryDate and n.RelationshipToHoH = 1) and
    ((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend
    and n.file_id = f.file_id)
```

--51.Project Exit Date must be on or after Project Start Date' as QueryName,

```
    , ProjectExitBeforeProjectStart = (select count(distinct n.enrollmentid)
from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in
(12,13,14,6)
    inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where (x.ExitDate < n.EntryDate) and
    ((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend
    and n.file_id = f.file_id)
```

--52.Same PersonalID but different Date of Birth' as QueryName,

```
    , SamePersonalIDDifferentDOB = (select count(distinct c.PersonalID)
```

```

from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in
(12,13,14,6)
    inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    inner join td_enrollment n2 on n2.PersonalID = n.PersonalID and n2.file_id = n.file_id
    inner join td_Client c2 on c2.PersonalID = n.PersonalID and c2.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where (n.personalid = n2.personalid) and (c.dob <> c2.dob) and
    ((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend
    and n.file_id = f.file_id)

```

--53.Person Older than 99 years'

```

, OlderThan99 = (select count(distinct c.PersonalID)
from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in
(12,13,14,6)
    inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where (c.DOB <> '1900-01-01') and
    (DATEDIFF(YEAR, c.DOB, n.UploadDate) > '99') and
    ((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend
    and n.file_id = f.file_id)

```

--54.Child Older than 50

```

, ChildOver50 = (select count(distinct c.PersonalID)
from td_Enrollment n
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in
(12,13,14,6)
    inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id

```

where (c.DOB <> '1900-01-01') and
 (DATEDIFF(YEAR, c.DOB, n.EntryDate) > '50') and
 (n.RelationshipToHoH = '2') and
 ((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend
 and n.file_id = f.file_id)

--55.CoC Code not formatted correctly

```
, CoCCodeNotCorrect = (select count(distinct n.enrollmentID)
from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in
(12,13)
inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where ((LEN(n.EnrollmentCoC) > 6) or
(SUBSTRING(n.EnrollmentCoC,1,2) = 'integers') or
(SUBSTRING(n.EnrollmentCoC,3,1) <> '-') or
(SUBSTRING(n.EnrollmentCoC,4,3) = 'letters')) and
((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend
and n.file_id = f.file_id
and n.relationshiptohhoh = 1)
```

--56. HP TFA LOW change

--trying for an average amount of TFA provided per grantee is the flag, not just each transaction

```
, HPTFALLOW = (select count(distinct n.projectid) from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in (12)
```

```

inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
left outer join td_Services sv on sv.EnrollmentID = n.enrollmentid and sv.file_id = n.file_id
left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where c.veteranstatus = 1
--and sv.dateprovided between @gstart and @gend
--and sv.recordtype = '152'
and (((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend)
and n.file_id = f.file_id
and (((select sum(sv.FAAmount)
from td_Enrollment n
inner join td_Services sv on sv.EnrollmentID = n.EnrollmentID and n.file_id=sv.file_id
and sv.DateProvided between @gstart and @gend
and sv.RecordType = 152
--and sv.TypeProvided in (1,2,3,4,5,8,9,10,11,12,14)
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 12)/NULLIF((select count(distinct n.PersonalID)
from td_Enrollment n
inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 12 and c.VeteranStatus = 1),0) < '1100'))

```

--57. HP TFA HIGH change

--trying for an average amount of TFA provided per grantee is the flag, not just each transaction

, HPTFAHIGH = (select count(distinct n.projectid) from td_Enrollment n

```

inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in (12)
    inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Services sv on sv.EnrollmentID = n.enrollmentid and sv.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where c.veteranstatus = 1
    --and sv.dateprovided between @gstart and @gend
    --and sv.recordtype = '152'
    and (((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend)
    and n.file_id = f.file_id
    and (((select sum(sv.FAAmount)
    from td_Enrollment n
        inner join td_Services sv on sv.EnrollmentID = n.EnrollmentID and n.file_id=sv.file_id
and sv.DateProvided between @gstart and @gend
            and sv.RecordType = 152
            --and sv.TypeProvided in (1,2,3,4,5,8,9,10,11,12,14)
        inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
        where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 12)/NULLIF((select count(distinct n.PersonalID)
    from td_Enrollment n
        inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
        inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
        where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 12 and c.VeteranStatus = 1),0) ) > '12000'))

```

--58. RRH TFA LOW change

--trying for an average amount of TFA provided per grantee is the flag, not just each transaction

```
, RRHTFALLOW = (select count(distinct n.projectid) from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in (13)
    inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Services sv on sv.EnrollmentID = n.enrollmentid and sv.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where c.veteranstatus = 1
    --and sv.dateprovided between @gstart and @gend
    --and sv.recordtype = '152'
    and (((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend))
    and n.file_id = f.file_id
    and ((select sum(sv.FAAmount)
    from td_Enrollment n
        inner join td_Services sv on sv.EnrollmentID = n.EnrollmentID and n.file_id=sv.file_id
and sv.DateProvided between @gstart and @gend
    and sv.RecordType = 152
        --and sv.TypeProvided in (1,2,3,4,5,8,9,10,11,12,14)
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
    where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 13)/NULLIF((select count(distinct n.PersonalID)
    from td_Enrollment n
        inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
    left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
    where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 13 and c.VeteranStatus = 1),0) ) < '700' ))
```

--59. RRH TFA HIGH change

--trying for an average amount of TFA provided per grantee is the flag, not just each transaction

```
, RRHTFAHIGH = (select count(distinct n.projectid) from td_Enrollment n
inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id and p.ProjectType in (13)
    inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
    left outer join td_Services sv on sv.EnrollmentID = n.enrollmentid and sv.file_id = n.file_id
    left outer join td_Exit x on x.EnrollmentID = n.EnrollmentID and x.file_id = n.file_id
where c.veteranstatus = 1
    --and sv.dateprovided between @gstart and @gend
    --and sv.recordtype = '152'
    and (((x.ExitDate is null) or (x.ExitDate >= @gstart)) and n.EntryDate <= @gend))
    and n.file_id = f.file_id
    and (((select sum(sv.FAAmount)
    from td_Enrollment n
        inner join td_Services sv on sv.EnrollmentID = n.EnrollmentID and n.file_id=sv.file_id
and sv.DateProvided between @gstart and @gend
            and sv.RecordType = 152
            --and sv.TypeProvided in (1,2,3,4,5,8,9,10,11,12,14)
        inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
        where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 13)/NULLIF((select count(distinct n.PersonalID)
    from td_Enrollment n
        inner join td_Client c on c.PersonalID = n.PersonalID and c.file_id = n.file_id
        inner join td_Project p on p.ProjectID = n.ProjectID and p.file_id = n.file_id
        left outer join td_Exit x on x.file_id = n.file_id and x.EnrollmentID = n.EnrollmentID
        where n.file_id = f.file_id and coalesce(x.exitdate, @gend) > @gstart and p.ProjectType
= 13 and c.VeteranStatus = 1),0 )) > '11,000'))
```