

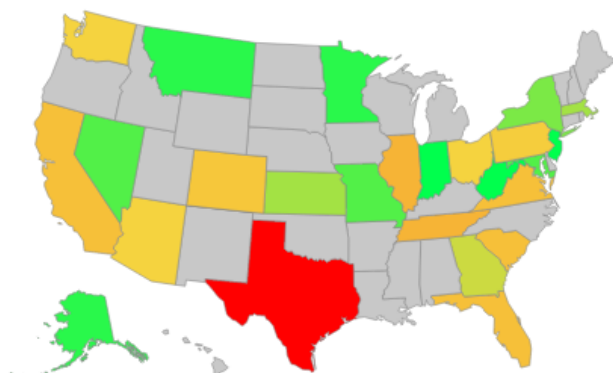
Power BI, T-SQL Code, & Data Modeling

Created & Developed by Sequoah Lloyd, MCP

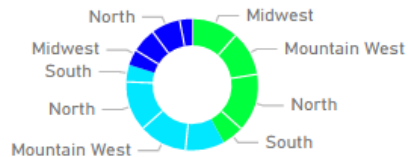
- T-SQL (SSMS)
- Data Modeling
- Data Visualization



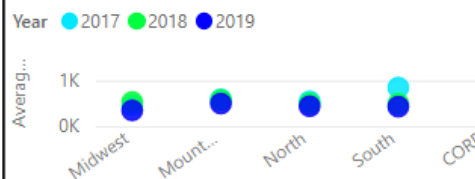
Heat Map of Job Requisitions Per State



Count of Terminations by Year and Region



Average Employment Days by Year and Region



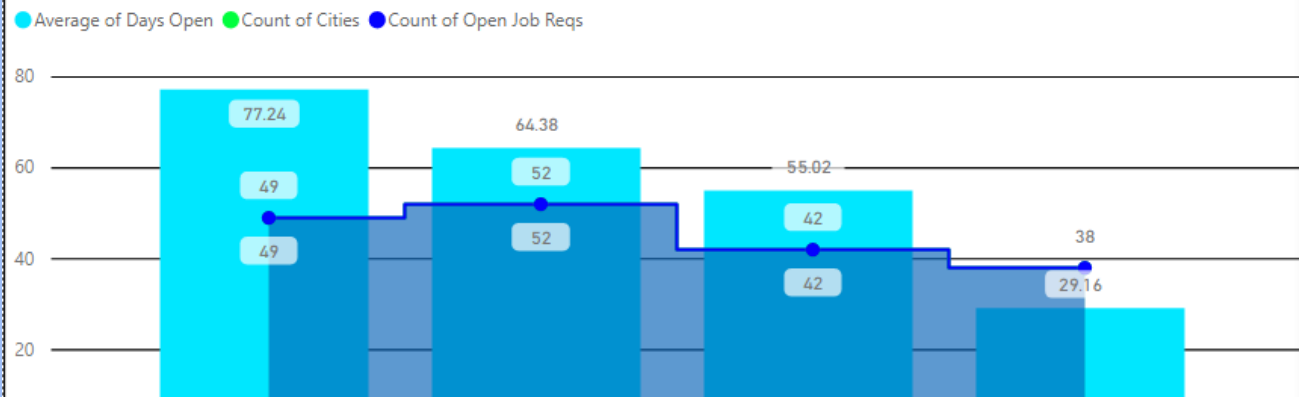
Information About Dashboards



| Job Reqs - Hospital Code | Jobs Reqs - Region | Job Title | Hiring Manager |
|--------------------------|--------------------|-----------|----------------|
| All | All | All | All |
| EMP - Hospital Code | EMP - Region | State | Year |
| All | All | All | All |

| Total Job Reqs Open | Total Terminations | Total Unique Emp Ter... | AVG Reqs Days Open | AVG Employment Days... |
|---------------------|--------------------|-------------------------|--------------------|------------------------|
| 181 | 1947 | 1940 | 58.30 | 609.09 |

Clustered Graph - Open Requisitions on Three Levels



Count of Terminations By Job Title

| Year | 2017 | 2018 | 2019 |
|-----------------------|------|------|------|
| Hearing Screener | 504 | 568 | 263 |
| Hearing Screener - 10 | 92 | 107 | 254 |
| Hearing Screener - 20 | | | 123 |
| Hearing Screener - 15 | | | 103 |
| Coord, HS | | | 86 |
| Coord, HS-10 | | | 19 |
| Coord, HS-15 | | | 9 |
| Coord, Asst HS | | | 4 |
| Coord, HS-20 | | | 4 |
| Coord, Asst HS-10 | | | 3 |
| Reg Coord, HS | | | 3 |
| Admin, HS Data | | | 1 |
| Assoc, Audiology | | | 1 |
| Coord, Asst HS-20 | | | 1 |

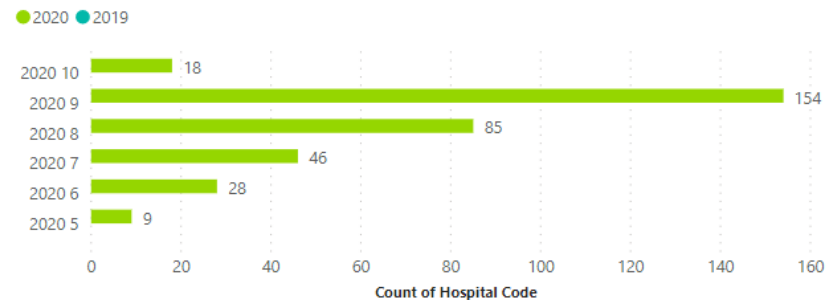
STATS NOT RECONCILED REPORT

Refreshed as of 10/26/2020

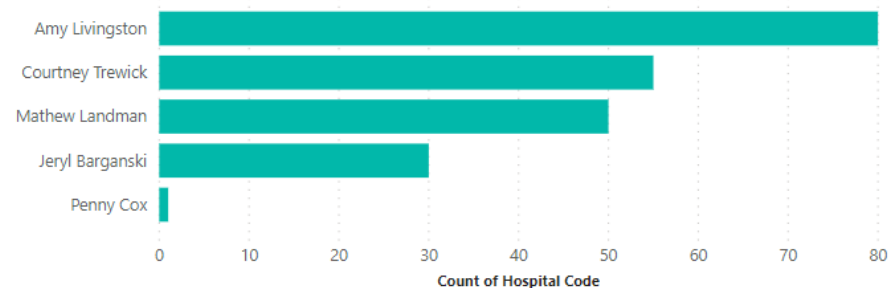


| STATE | HOSPITAL CODE | STAT MONTH | STAT YEAR | REGIONAL MANAGER | REGIONAL COORDINATOR |
|-------|---------------|------------|-----------|------------------|----------------------|
| All | All | All | All | All | All |

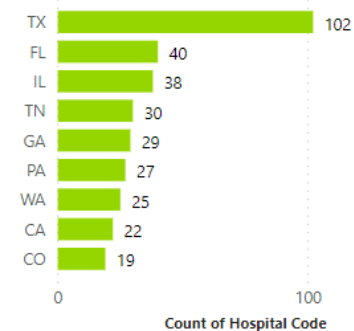
STATS NOT RECONCILED COUNT BY STAT YEAR AND MONTH



STATS NOT RECONCILED HOSPITAL COUNT BY REGIONAL MANAGER



STATS NOT RECONCILED BY STATE



| | | STATS NOT RECONCILED REPORT | | | | | | | | | | | | | | | | | | | | | | Total |
|-----------|--|-----------------------------|---|---|---|---|---|---|----|----|-------|--|---|------|---|---|---|---|---|---|---|----|-------|-------|
| Stat_Year | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | Total |
| Region | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | Total | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Total | |
| CA | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| South | | | | | | | | | | | | | | | | | | | | | | | | |
| MS | | | | | | | | | | | | | | | | | 1 | | | 2 | | | 3 | |
| SC | | | | | | | | | | | | | | | | | | | 2 | 4 | | | 6 | |
| AL | | | | | | | | | | | | | | | | | 1 | 2 | 4 | 4 | | | 11 | |
| GA | | | | | | | | | | | | | | | | | | | | | | | | |
| BKOC | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | |
| CRHM | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | |
| N364 | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | |
| NFI II | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | |

OF SITES NOT RECONCILED

216

OF STATES NOT RECONCILED

34

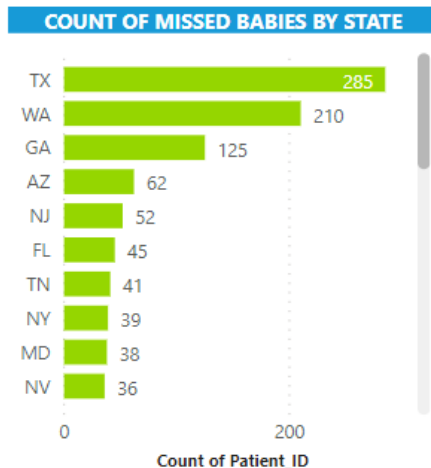
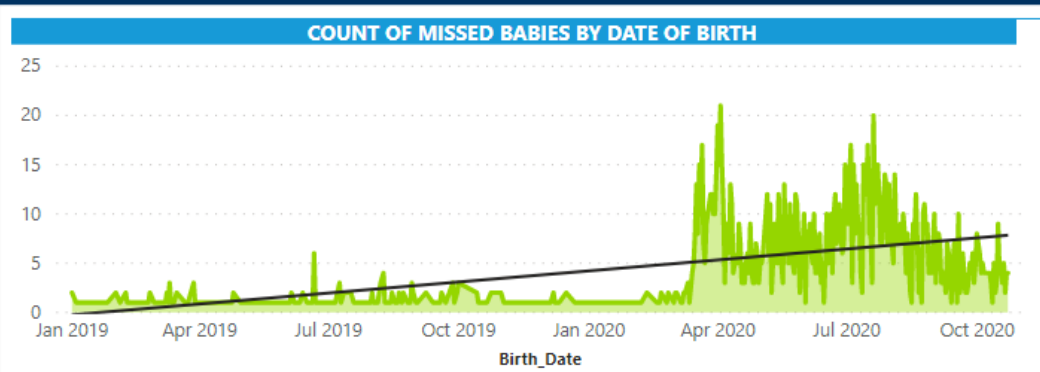
MISSED BABY REPORT

Refreshed as of 10/26/2020

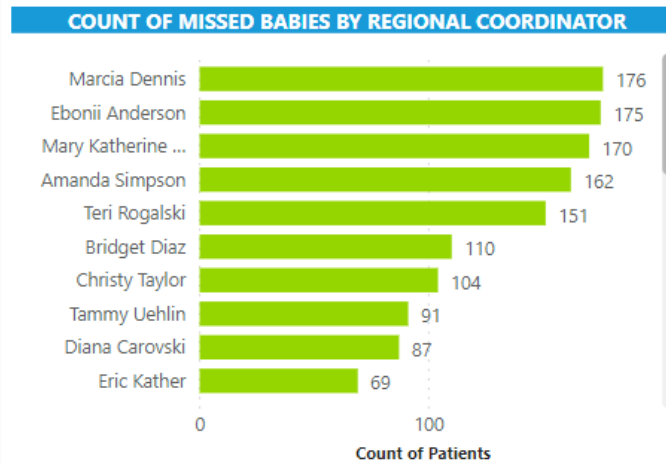


| STATE | HOSPITAL CODE | FOLLOW-UP INDICATOR | REGIONAL COORDINATOR | SITE COORDINATOR | REGIONAL MANAGER |
|-------|---------------|---------------------|----------------------|------------------|------------------|
| All | All | All | All | All | All |

| MISSED BABY REPORT | | | | |
|--------------------|---------------|-----------------------|-----------------------------------|-----------|
| Facility_State | Hospital_Code | Missed - Not Screened | Missed - Not screened - Contacted | Total |
| AK | MSUR | | 5 | 5 |
| | PVHS | 2 | 5 | 7 |
| | Total | 2 | 10 | 12 |
| AL | BPCE | 18 | 17 | 35 |
| | NNUX | | 8 | 8 |
| | SOAM | | 1 | 1 |
| | SPHH | | 2 | 2 |
| | STVB | 21 | 4 | 25 |
| | Total | 39 | 32 | 71 |



| MISSED BABY REPORT - DETAILS | |
|--------------------------------------|------------|
| Patient_Status | Active_Rev |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |
| VI Missed - Not screened - Contacted | T |



OF HOSPITAL SITES WITH MISSED BABIES

134

OF STATES WITH MISSED BABIES

31

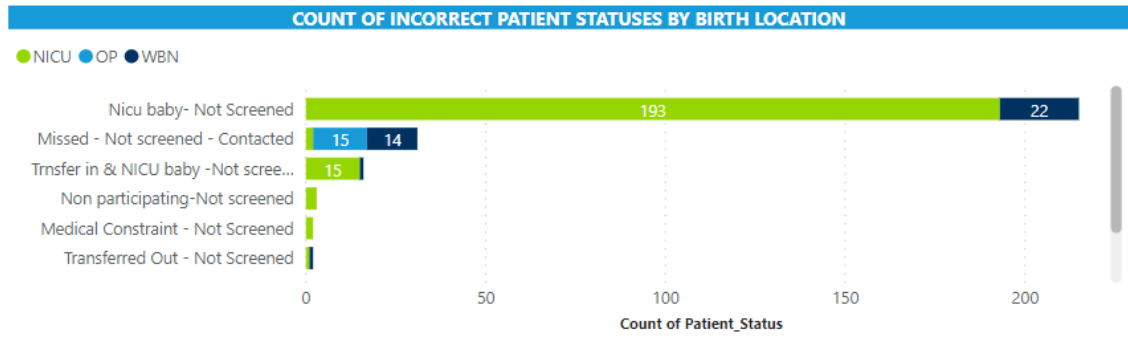
INCORRECT PATIENT STATUS PATIENT

Refreshed as of 10/26/2020



| STATE | HOSPITAL CODE | PATIENT STATUS | DOB YEAR | REGIONAL COORDINATOR | REGIONAL MANAGER |
|-------|---------------|----------------|----------|----------------------|------------------|
| All | All | All | All | All | All |

| INCORRECT PATIENT STATUS REPORT | | | | | |
|---------------------------------|--------|------------------------|-----------|----|--|
| Birth_Date | Sex | First_Date_Of_Service | Right_Ear | Le | |
| 7/13/2020 12:00:00 AM | Male | 10/23/2020 1:31:41 PM | Pass | Pe | |
| 9/2/2020 12:00:00 AM | Female | 10/24/2020 2:01:05 PM | Pass | Pe | |
| 9/27/2020 12:00:00 AM | Male | 10/24/2020 1:38:48 PM | Pass | Pe | |
| 9/27/2020 12:00:00 AM | Male | 10/24/2020 1:48:37 PM | Pass | Pe | |
| 9/28/2020 12:00:00 AM | Male | 10/23/2020 2:01:03 PM | Pass | Pe | |
| 10/8/2020 12:00:00 AM | Female | 10/25/2020 9:33:00 AM | Pass | Pe | |
| 10/9/2020 12:00:00 AM | Female | 10/23/2020 1:11:30 PM | Pass | Pe | |
| 7/15/2020 12:00:00 AM | Female | 10/24/2020 12:54:09 PM | Pass | Pe | |
| 9/16/2020 12:00:00 AM | Female | 10/24/2020 1:12:31 PM | Pass | Pe | |
| 9/24/2020 12:00:00 AM | Female | 10/20/2020 9:55:06 AM | Pass | Pe | |
| 7/26/2020 12:00:00 AM | Female | 10/24/2020 10:53:07 AM | Pass | Pe | |
| 8/31/2020 12:00:00 AM | Male | 10/20/2020 1:09:35 PM | Pass | Pe | |
| 9/28/2020 12:00:00 AM | Male | 10/24/2020 11:23:51 AM | Pass | Pe | |
| 8/3/2020 12:00:00 AM | Male | 10/25/2020 12:52:48 PM | Pass | Pe | |
| 9/2/2020 12:00:00 AM | Male | 10/25/2020 12:32:50 PM | Pass | Pe | |
| 7/28/2020 12:00:00 AM | Female | 10/23/2020 10:12:56 AM | Pass | Pe | |
| 7/16/2020 12:00:00 AM | Male | 10/17/2020 9:12:56 AM | Pass | Pe | |
| 9/16/2020 12:00:00 AM | Female | 10/21/2020 10:11:42 AM | Pass | Pe | |
| 9/16/2020 12:00:00 AM | Male | 10/19/2020 10:22:38 AM | Pass | Pe | |
| 9/24/2020 12:00:00 AM | Female | 10/16/2020 12:10:08 PM | Pass | Pe | |
| 10/15/2020 12:00:00 AM | Female | 10/17/2020 10:29:49 AM | Pass | Pe | |
| 7/21/2020 12:00:00 AM | Male | 10/25/2020 1:34:33 PM | Pass | Pe | |
| 9/1/2020 12:00:00 AM | Male | 10/20/2020 6:39:20 PM | Pass | Pe | |
| 9/3/2020 12:00:00 AM | Female | 10/24/2020 11:20:35 AM | Pass | Pe | |
| 9/5/2020 12:00:00 AM | Female | 10/23/2020 12:52:14 PM | Pass | Pe | |



| COUNT OF INCORRECT PATIENT STATUS BY REGIONAL COORDINATOR | | | | | | | | | | | |
|---|------------|----------|---------------|---|---|---|---|---|---|----|-------|
| Regional Coordinator | State | DOB Year | Hospital_Code | 2 | 3 | 5 | 7 | 8 | 9 | 11 | Total |
| Alicetina Conde | Texas | | BAYM | | | | | | | | |
| | | | HREG | | | | | | | | |
| | | | MCYD | | | | | | | | |
| | | | NACG | | | | | | | 1 | 1 |
| | | | PSPL | | | | | | | | |
| | | | RGRH | | | | | | | | |
| Alicia Campos | Alaska | | PVHS | | | | | | | | |
| | California | | CAPA | | | | | | | | |
| | | | COGS | | | | | | | | |
| | Nevada | | SMNV | | | | | | | | |
| | | | WSHO | | | | | | | | |

OF HOSPITAL SITES WITH INCORRECT PATIENT STATUSES

13

OF STATES WITH INCORRECT PATIENT STATUSES

9

T-SQL Code (SSMS)

Created & Developed by Sequoah Lloyd, MCP

Incorrect Patient...ON_NT\SALloyd (73) - X

```
1 SELECT DISTINCT dbo.Facilities.Facility_State, dbo.Facilities.Hospital_Code, dbo.Patients.Medical_Record_Number, dbo.Patients.Last_Name,
2   dbo.Patients.Birth_Date, YEAR(dbo.Patients.Birth_Date) AS 'DOB Year', MONTH(dbo.Patients.Birth_Date) AS 'DOB Month', dbo.Patients.Sex, dbo.Hearing_Screen_Rollup.First_Date_Of_Service,
3   dbo.Hearing_Screen_Rollup.Right_Ear, dbo.Hearing_Screen_Rollup.Left_Ear,
4   dbo.Summary_Patient_Demographics_Section_1.Patient_Status, dbo.Patients.Birth_Location
5
6 FROM dbo.Hearing_Screen_Rollup with (NOLOCK)
7
8 RIGHT JOIN dbo.Summary_Patient_Demographics_Section_1
9 RIGHT JOIN dbo.Patients with (NOLOCK) ON dbo.Summary_Patient_Demographics_Section_1.Patient_ID = dbo.Patients.Patient_ID ON dbo.Hearing_Screen_Rollup.Patient_ID = dbo.Patients.Patient_ID
10 LEFT JOIN dbo.Facilities with (NOLOCK) ON dbo.Patients.Facility_ID = dbo.Facilities.Facility_ID
11
12 WHERE dbo.Summary_Patient_Demographics_Section_1.Patient_Status LIKE '%Not Screened%'
13 AND dbo.Summary_Patient_Demographics_Section_1.Patient_Status LIKE '%not screened%'
14 AND dbo.Hearing_Screen_Rollup.Right_Ear IS NOT NULL
15 AND dbo.Hearing_Screen_Rollup.Left_Ear IS NOT NULL
16 AND dbo.Patients.Active_Record_Flag = 'T'
17
18 AND
19
20 dbo.Patients.Birth_Date >= '1/1/2019'
21
```

Weekly Inpatient R..._NT\SALloyd (112) - X

Stipend Report.sql...N_NT\SALloyd (111)

South Carolina Qua..._NT\SALloyd (110)

OP Birth Location....N_NT\SALloyd (107)

NICU Pending Repo..._NT\SALloyd

```
1 SELECT F.Hospital_Code, P.Last_Name, P.Birth_Date, P.Medical_Record_Number, HSR.Gender, P.Birth_Location, HSR.Right_Ear, HSR.Left_Ear, HSR.Last_Date_Of_Service,
2   IIF((HSR.Right_Ear = 'refer' OR HSR.Left_Ear = 'refer'), 'refer', 'pass') AS 'Refer Indicator'
3
4 FROM dbo.Facilities F with (NOLOCK)
5 INNER JOIN dbo.Patients P with (NOLOCK) ON F.Facility_ID = P.Facility_ID
6 INNER JOIN dbo.Hearing_Screen_Rollup HSR ON P.Patient_ID = HSR.Patient_ID
7
8 GROUP BY F.Hospital_Code, P.Last_Name, P.Birth_Date, P.Medical_Record_Number, HSR.Gender, P.Birth_Location, HSR.Right_Ear, HSR.Left_Ear, HSR.Last_Date_Of_Service
9
10 HAVING IIF((HSR.Right_Ear = 'refer' OR HSR.Left_Ear = 'refer'), 'refer', 'pass') = 'refer'
11
12 AND
13
14 YEAR(HSR.Last_Date_Of_Service) = '2020'
15
```

```

1 SELECT F.Facility_State, F.Hospital_Code, P.Last_Name, P.Birth_Location,
2 P.Sex, CONVERT(varchar(10), (P.Birth_Date), 101) as Date_of_Birth, P.Medical_Record_Number, HSR.Left_Ear, HSR.Right_Ear,
3 CONVERT(char(10), (HSR.First_Date_Of_Service), 101) + substring(convert(varchar, HSR.First_Date_Of_Service, 0), 12, 8)
4 as First_Date_Of_Service,
5
6 CONVERT(char(10), (HSR.Last_Date_Of_Service), 101) + substring(convert(varchar, HSR.Last_Date_Of_Service, 0), 12, 8)
7 as Last_Date_Of_Service
8
9 FROM
10 Facilities F WITH (NOLOCK)
11 Left Join Patients P WITH (NOLOCK)
12 On F.Facility_ID = P.Facility_ID
13 LEFT JOIN dbo.Hearing_Screen_Rollup HSR WITH (NOLOCK)
14 ON P.Patient_ID = HSR.Patient_ID
15
16
17 WHERE F.Hospital_Code in ('FRDH', 'FWWS', 'HOWC', 'JHOP', 'NNHH', 'PGHC', 'UMIN',
18 'TRVR', 'BAPE', 'PACR', 'WBHK', 'BRKY', 'CBHL', 'N327', 'N168', 'N330', 'AVWI', 'CORM', 'CCRM', 'FRSQ', 'SJME',
19 'HARH', 'MTGH')
20
21
22 AND HSR.First_Date_Of_Service >= '9/1/2020'
23 And HSR.First_Date_Of_Service < '10/1/2020';
24

```

```

1 SELECT DISTINCT
2 F.Facility_State,
3 F.Hospital_Code,
4 P.Last_Name,
5 P.Medical_Record_Number,
6 P.Birth_Location,
7 SD1.Patient_Status,
8 YEAR(P.Birth_Date) AS 'DOB Year',
9 MONTH(P.Birth_Date) AS 'DOB Month'
10
11 FROM
12 dbo.Patients P with (NOLOCK)
13 INNER JOIN dbo.Facilities F with (NOLOCK) ON P.Facility_ID = F.Facility_ID
14 LEFT JOIN dbo.Summary_Hearing_Screen SHS ON P.Patient_ID = SHS.Patient_ID
15 INNER JOIN dbo.Summary_Patient_Demographics_Section_1 SD1 with (NOLOCK)
16 ON P.Patient_ID = SD1.Patient_ID
17
18 WHERE 1 = CASE
19     WHEN SD1.Patient_Status = 'Screened Outpatient' AND P.Birth_Location <> 'OP' THEN 1
20     WHEN SD1.Patient_Status <> 'Screened Outpatient' AND P.Birth_Location = 'OP' THEN 1
21     ELSE 0
22 END
23 AND P.Birth_Date >= '1/1/2019'
24

```




Data Modeling

Created & Developed by Sequoah Lloyd, MCP

Power BI Data Model (Entity Relationship Diagram)

