Agenda:

1. **Intro (2 minutes)**

* Scope of project: To mimic a baseline version of the BroadReach solution.

We have created a basic system that feeds data from a transactional database into an analytical database, currently via csv files. In the future we plan to add an end user program to replace the csv system.

1. **System demo (10 minutes)**

* *Demo solution to stakeholders via Power BI.*

Show Current Power BI model (In DB: hiv1, hiv2, hiv3, tb1, tb2).

Show inserting of tb\_csv\_3 with Facility Name “WC Nursery”.

Show updated Power BI model.

1. **Technical walkthrough (15 minutes)**

* Discuss database design (5 min)
* Matthew: Discuss upload script (5 min)
* Liam: Discuss ETL script (5 min)
* Discuss learning: SSMS, SQL, Power BI, DB design, star schema. Newer concepts like an Active column for version control. Staging tables and general movement of data from source through database.
* Difficulties: More advanced SQL, like left, right and inner joins. Edge cases with editing and deleting. Learning to read data for inserting into tables.

Merging dimension fields

Scope\_ID instead of ID

Drop table if exists (for temp tables)

Home -> project-adf:

Open Azure Data Factory

Orchestrate (used by Mint)

Data Flow -> SSIS

Staging table, do things one step at a time

Take staging table and do straight sync operation to copy all records into matching table in DW.