# Section 1: Create Master table

The table lk\_Risk\_Score\_Factors\_PartC act as a master table that provide relation between payment year and version for any submission type. The current table has Part C only. So create new table lk\_Risk\_Score\_Factors that has Part D information included too.

Add ESRD\_MSP\_Reduction and MSP\_Reduction to lk\_Risk\_Score\_Factors\_PartC and use current table lk\_normalization\_factors to populate it. Archive table lk\_normalization\_factors.

Any script that use lookup table for factors, hierarchy or Diag HCC map need to look for master table first and get the corresponding version for the payment year and submission model in question. The Payment year and Version combination is then used to search the relevant information from other lookup tables.

# Section 2: Diag HCC Lookup tables

## Drop Redundant tables:

Following tables are either unused or redundant. Can be dropped.

1. lk\_DDiagnosesHCC
2. lk\_DDiagnosesHCC\_new
3. lk\_DiagnosesHCC
4. lk\_DiagnosesHCC\_new
5. lk\_DiagnosesHCC\_PartC
6. lk\_DiagnosesHCC\_PartC\_ICD10
7. lk\_DiagnosesHCC\_PartD
8. lk\_DiagnosesHCC\_PartD\_ICD10
9. lk\_Risk\_Models\_DiagHCC

Query:

*select top 10 \* from lk\_DDiagnosesHCC*

*select top 10 \* from lk\_DDiagnosesHCC\_new*

*select top 10 \* from lk\_DiagnosesHCC*

*select top 10 \* from lk\_DiagnosesHCC\_new*

*select top 10 \* from lk\_DiagnosesHCC\_PartC*

*select top 10 \* from lk\_DiagnosesHCC\_PartC\_ICD10*

*select top 10 \* from lk\_DiagnosesHCC\_PartD*

*select top 10 \* from lk\_DiagnosesHCC\_PartD\_ICD10*

*select top 10 \* from lk\_Risk\_Models\_DiagHCC*

*select \* from lk\_DDiagnosesHCC*

*select \* from lk\_DDiagnosesHCC\_new order by year desc*

*select \* from lk\_DiagnosesHCC*

*select \* from lk\_DiagnosesHCC\_new order by year desc*

*select Payment\_Year, count(1) from lk\_DiagnosesHCC\_PartC group by Payment\_Year order by Payment\_Year desc*

*select Payment\_Year, count(1) from lk\_DiagnosesHCC\_PartC\_ICD10 group by Payment\_Year order by Payment\_Year desc*

*select Payment\_Year, count(1) from lk\_DiagnosesHCC\_PartD group by Payment\_Year order by Payment\_Year desc*

*select Payment\_Year, count(1) from lk\_DiagnosesHCC\_PartD\_ICD10 group by Payment\_Year order by Payment\_Year desc*

*select Payment\_Year, Factor\_Type, count(1) from lk\_Risk\_Models\_DiagHCC group by Payment\_Year, Factor\_Type order by 1 desc,2*

## Add [Version]:

Maintain only one table lk\_Risk\_Models\_DiagHCC\_ICD10 for Diag HCC lookup.

View Vw\_LkRiskModelsDiagHCC remain as it is.

Add Version to lk\_Risk\_Models\_DiagHCC\_ICD10 and Vw\_LkRiskModelsDiagHCC.

Modify scripts to reflect the changes mentioned.

Query:

*select top 10 \* from lk\_Risk\_Models\_DiagHCC\_ICD10*

*select Payment\_Year, Factor\_Type, count(1) from lk\_Risk\_Models\_DiagHCC\_ICD10 group by Payment\_Year, Factor\_Type order by 1 desc,2*

*select top 10 \* from Vw\_LkRiskModelsDiagHCC*

*select PaymentYear, FactorType, count(1) from Vw\_LkRiskModelsDiagHCC group by PaymentYear, FactorType order by 1 desc,2*

# Section 2: Risk Model Factors tables

## Drop Redundant tables:

Following tables are either unused or redundant. Can be dropped.

1. lk\_Factors
2. lk\_Factors\_New
3. lk\_AgeGroupGenderFactors
4. lk\_AgeGroupGenderFactors\_new
5. lk\_DFactors
6. lk\_DFactors\_new
7. lk\_DHierarchy
8. lk\_DisabilityMedicaidFactorsGender
9. lk\_DisabilityMedicaidFactorsGender\_new
10. lk\_AgeGroupTransplantDurationFactors
11. lk\_AgeGroupTransplantDurationFactors\_PartC

Query:

*select top 10 \* from [dbo].[lk\_Factors]*

*select top 10 \* from [dbo].[lk\_Factors\_New]*

*select top 10 \* from [dbo].[lk\_AgeGroupGenderFactors]*

*select top 10 \* from [dbo].[lk\_AgeGroupGenderFactors\_new]*

*select top 10 \* from [dbo].[lk\_DFactors]*

*select top 10 \* from [dbo].[lk\_DFactors\_new]*

*select top 10 \* from [dbo].[lk\_DHierarchy]*

*select top 10 \* from [dbo].[lk\_DisabilityMedicaidFactorsGender]*

*select top 10 \* from [dbo].[lk\_DisabilityMedicaidFactorsGender\_new]*

*select top 10 \* from [dbo].[lk\_AgeGroupTransplantDurationFactors]*

*select top 10 \* from [dbo].[lk\_AgeGroupTransplantDurationFactors\_PartC]*

## Archive following tables and create view instead:

1. lk\_Factors\_PartC
2. lk\_Factors\_PartD
3. lk\_Factors\_PartG
4. lk\_AgeGroupGenderFactors\_PartC
5. lk\_AgeGroupGenderFactors\_PartD

These tables will be archived and the corresponding views will be created to maintain the picture they present without having to maintain data in multiple places.

Query:

*select top 10 \* from [dbo].[lk\_Factors\_PartC]*

*select top 10 \* from [dbo].[lk\_Factors\_PartD]*

*select top 10 \* from [dbo].[lk\_Factors\_PartG]*

*select \* from [dbo].[lk\_Factors\_PartC] where Payment\_Year = 2020*

*select \* from [dbo].[lk\_Factors\_PartD] where Payment\_Year = 2020*

*select \* from [dbo].[lk\_Factors\_PartG] where Payment\_Year = 2020*

*select top 10 \* from [dbo].[lk\_AgeGroupGenderFactors\_PartC] where Payment\_Year = 2020*

*select top 10 \* from [dbo].[lk\_AgeGroupGenderFactors\_PartD] where Payment\_Year = 2020*

*select Payment\_Year, count(1) from [dbo].[lk\_AgeGroupGenderFactors\_PartC]*

*group by Payment\_Year*

*order by Payment\_Year*

*select Payment\_Year, count(1) from [dbo].[lk\_AgeGroupGenderFactors\_PartD]*

*group by Payment\_Year*

*order by Payment\_Year*

## Add [Version]:

LK\_RISK\_MODELS will act as the only source for factors. Add Version to the table.

1. lk\_Risk\_Models

Modify scripts to reflect the changes mentioned.

Query:

*select top 10 \* from lk\_Risk\_Models*

*select \* from lk\_Risk\_Models where Payment\_Year = 2020*

# Section 3: Hierarchy and Interaction tables

## Drop Redundant tables:

Following tables are either unused or redundant. Can be dropped.

1. lk\_Hierarchy
2. lk\_Hierarchy\_PartC
3. lk\_Hierarchy\_PartD
4. lk\_Interactions\_PartC

Query:

*select \* from lk\_Hierarchy*

*select top 10 \* from lk\_Hierarchy\_PartC where Payment\_Year = 2020*

*select top 10 \* from lk\_Hierarchy\_PartD where Payment\_Year = 2020*

*select \* from lk\_Interactions\_PartC where payment\_year = 2020*

## Add [Version]:

Add Version to following tables.

1. lk\_Risk\_Models\_Hierarchy
2. lk\_Risk\_Models\_Interactions

Modify scripts to reflect the changes mentioned.

Query:

*select top 10 \* from lk\_Risk\_Models\_Hierarchy where Payment\_Year = 2020*

*select top 10 \* from lk\_Risk\_Models\_Interactions where Payment\_Year = 2020*

*select RA\_FACTOR\_TYPE, count(1) from lk\_Risk\_Models\_Hierarchy*

*where Payment\_Year = 2020*

*group by RA\_FACTOR\_TYPE*

*order by RA\_FACTOR\_TYPE*

*select factor\_type, count(1) from lk\_Risk\_Models\_Interactions*

*where Payment\_Year = 2020*

*group by Factor\_Type*

*order by Factor\_Type*

# Section 4: Research

Research following tables to see how the values of these tables are used in LK\_RISK\_Models table, so that these tables can be discarded.

1. lk\_DisabilityMedicaidFactorsGender\_PartC
2. lk\_DisabilityMedicaidFactorsGender\_PartD

Stories:

# Story 1:

* Create New lookup table for Diag HCC lookup with Version added.
* Populate historical values with Version Number.
* Populate new data for 2020 and 2021 Payment Years.

# Story 2:

* Create SSIS to ingest Diag HCC mapping to Lookup table.

# Story 3:

* Create New lookup table for lk\_risk\_models with Version added.
* Populate historical values with Version Number.
* Populate new data for 2020 and 2021 Payment Years.

# Story 4:

* Create views for following tables sourcing data from lk\_risk\_models.
  + lk\_Factors\_PartC
  + lk\_Factors\_PartD
  + lk\_Factors\_PartG
  + lk\_AgeGroupGenderFactors\_PartC
  + lk\_AgeGroupGenderFactors\_PartD

# Story 5:

* Create New lookup table for lk\_Risk\_Models\_Hierarchy and lk\_Risk\_Models\_Interactions with Version added.
* Populate historical values with Version Number.
* Populate new data for 2020 and 2021 Payment Years.

# Story 6:

Research following tables to see how the values of these tables are used in LK\_RISK\_Models table, so that these tables can be discarded.

1. lk\_DisabilityMedicaidFactorsGender\_PartC
2. lk\_DisabilityMedicaidFactorsGender\_PartD

# Story 7:

* Use New Lookup tables in Summary Process, RAPS and EDS.

# Story 8:

* Use New Lookup tables in New HCC and Valuation, RAPS and EDS.

# Story 9:

* Use New Lookup tables in Estimated Receivable reports.

# Story 10:

* Use New Lookup tables in remaining reports.