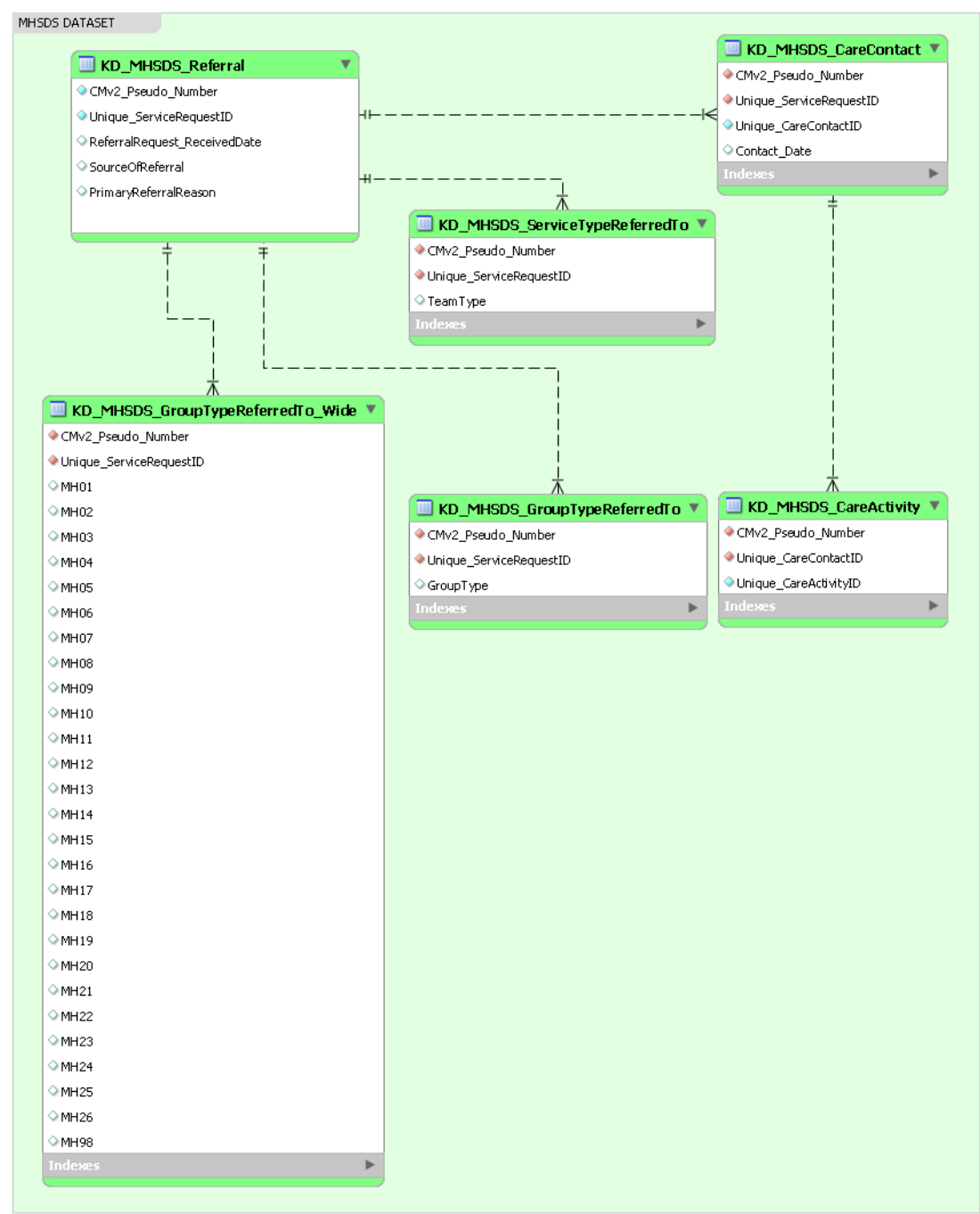# Data model - Mental Health Services Data Set(MHSDS)

Konstantinos Daras 04/10/2022

STATUS: **COMPLETED**

Schema Design - Clean/filtered/linked version

Entities - KD_MHSDS_Referral

COLUMN	TYPE	DESCRIPTION
CMv2_Pseudo_Number	VARCHAR(100)	Cheshire & Merseyside Pseudo Number
Unique_ServiceRequestID	VARCHAR(100)	The unique identifier for a SERVICE REQUEST
ReferralRequest_ReceivedDate	VARCHAR(10)	The date the REFERRAL REQUEST was received by the Health Care Provider
SourceOfReferral	VARCHAR(5)	The source of a SERVICE REQUEST to a Mental Health Service
PrimaryReferralReason	VARCHAR(5)	PRIMARY REASON FOR REFERRAL is the primary presenting condition or symptom for which the PATIENT was referred to a Mental Health Service

Relationships - KD_MHSDS_Referral

PARENT TABLE	PRIMARY KEY	REL.	FOREIGN KEY	CHILD TABLE
KD_MHSDS_Referral	CMv2_Pseudo_Number, Unique_ServiceRequestID	1:M	KD_MHSDS_CareContact	CMv2_Pseudo_Number, Unique_ServiceRequestID
KD_MHSDS_Referral	CMv2_Pseudo_Number, Unique_ServiceRequestID	1:M	KD_MHSDS_ServiceTypeReferredTo	CMv2_Pseudo_Number, Unique_ServiceRequestID
KD_MHSDS_Referral	CMv2_Pseudo_Number, Unique_ServiceRequestID	1:M	KD_MHSDS_GroupTypeRefferedTo	CMv2_Pseudo_Number, Unique_ServiceRequestID
KD_MHSDS_Referral	CMv2_Pseudo_Number, Unique_ServiceRequestID	1:M	KD_MHSDS_GroupTypeRefferedTo_Wide	CMv2_Pseudo_Number, Unique_ServiceRequestID

Entities - KD_MHSDS_CareContact

COLUMN	TYPE	DESCRIPTION
CMv2_Pseudo_Number	VARCHAR(100)	Cheshire & Merseyside Pseudo Number
Unique_ServiceRequestID	VARCHAR(100)	The unique identifier for a SERVICE REQUEST
Unique_CareContactID	VARCHAR(100)	The unique identifier for a CARE CONTACT
Contact_Date	VARCHAR(10)	A Care Contact Date is the date on which a CARE CONTACT took place

Relationships - KD_MHSDS_CareContact

PARENT TABLE	PRIMARY KEY	REL.	FOREIGN KEY	CHILD TABLE
KD_MHSDS_CareContact	CMv2_Pseudo_Number, Unique_CareContactID	1:M	KD_MHSDS_CareActivity	CMv2_Pseudo_Number, Unique_CareContactID

Entities - KD_MHSDS_CareActivity

COLUMN	TYPE	DESCRIPTION
CMv2_Pseudo_Number	VARCHAR(100)	Cheshire & Merseyside Pseudo Number
Unique_CareContactID	VARCHAR(100)	The unique identifier for a CARE CONTACT
Unique_CareActivityID	VARCHAR(100)	The unique identifier for a CARE ACTIVITY

Entities - KD_MHSDS_ServiceTypeReferredTo

COLUMN	TYPE	DESCRIPTION
CMv2_Pseudo_Number	VARCHAR(100)	Cheshire & Merseyside Pseudo Number
Unique_ServiceRequestID	VARCHAR(100)	The unique identifier for a SERVICE REQUEST
TeamType	VARCHAR(4)	The type of SERVICE or Multidisciplinary Team within a Mental Health Service that a PATIENT was referred to - National Codes

Entities - KD_MHSDS_GroupTypeReferredTo

COLUMN	TYPE	DESCRIPTION
CMv2_Pseudo_Number	VARCHAR(100)	Cheshire & Merseyside Pseudo Number
Unique_ServiceRequestID	VARCHAR(100)	The unique identifier for a SERVICE REQUEST
GroupType	VARCHAR(4)	Main group of SERVICE type that a PATIENT was referred to - *See KD_MHSDS_GroupTypeReferredTo_Wide*

Entities - KD_MHSDS_GroupTypeReferredTo_Wide

COLUMN	TYPE	DESCRIPTION
CMv2_Pseudo_Number	VARCHAR(100)	Cheshire & Merseyside Pseudo Number
Unique_ServiceRequestID	VARCHAR(100)	The unique identifier for a SERVICE REQUEST
MH01	INT	Asylum
MH02	INT	Autism
MH03	INT	Community
MH04	INT	Community Organic
MH05	INT	Crisis
MH06	INT	Eating
MH07	INT	Education
MH08	INT	Gambling

COLUMN	TYPE	DESCRIPTION
MH09	INT	Gen. Psychiatry
MH10	INT	Judicial
MH11	INT	LAC
MH12	INT	Learning Community
MH13	INT	Learning Forensic
MH14	INT	Liaison
MH15	INT	Neurodevelopment
MH16	INT	Other
MH17	INT	Perinatal Parenting
MH18	INT	Personality
MH19	INT	Primary Care
MH20	INT	Psychological non IAPT
MH21	INT	Psychosis Early
MH22	INT	Roughsleeping
MH23	INT	Severe
MH24	INT	SP Access
MH25	INT	Substance
MH26	INT	Youth Offend
MH98	INT	Unknown/No value

Schema Design - Referrals and Contacts by PersonID, Service type, and month of year

Entities - KD_MHSDS_Referrals_CareContacts_<YEAR>

COLUMN	TYPE	DESCRIPTION
CMv2_Pseudo_Number	VARCHAR(100)	Cheshire & Merseyside Pseudo Number
Ref_Total	INT	Total counts of Referrals
R_SType01	INT	Asylum
R_SType02	INT	Autism

COLUMN	TYPE	DESCRIPTION
R_SType03	INT	Community
R_SType04	INT	Community Organic
R_SType05	INT	Crisis
R_SType06	INT	Eating
R_SType07	INT	Education
R_SType08	INT	Gambling
R_SType09	INT	Gen. Psychiatry
R_SType10	INT	Judicial
R_SType11	INT	LAC
R_SType12	INT	Learning Community
R_SType13	INT	Learning Forensic
R_SType14	INT	Liaison
R_SType15	INT	Neurodevelopment
R_SType16	INT	Other
R_SType17	INT	Perinatal Parenting
R_SType18	INT	Personality
R_SType19	INT	Primary Care
R_SType20	INT	Psychological non IAPT
R_SType21	INT	Psychosis Early
R_SType22	INT	Roughsleeping
R_SType23	INT	Severe
R_SType24	INT	SP Access
R_SType25	INT	Substance
R_SType26	INT	Youth Offend
R_SType98	INT	Unknown/No value
Cont_Total	INT	Total counts of Care Contacts
C_SType01	INT	Asylum
C_SType02	INT	Autism
C_SType03	INT	Community
C_SType04	INT	Community Organic
C_SType05	INT	Crisis
C_SType06	INT	Eating
C_SType07	INT	Education
C_SType08	INT	Gambling
C_SType09	INT	Gen. Psychiatry
C_SType10	INT	Judicial
C_SType11	INT	LAC
C_SType12	INT	Learning Community
C_SType13	INT	Learning Forensic
C_SType14	INT	Liaison
C_SType15	INT	Neurodevelopment
C_SType16	INT	Other
C_SType17	INT	Perinatal Parenting
C_SType18	INT	Personality
C_SType19	INT	Primary Care
C_SType20	INT	Psychological non IAPT
C_SType21	INT	Psychosis Early
C_SType22	INT	Roughsleeping
C_SType23	INT	Severe
C_SType24	INT	SP Access
C_SType25	INT	Substance
C_SType26	INT	Youth Offend
C_SType98	INT	Unknown/No value
TStamp	VARCHAR(7)	Timestamp (<YEAR>-<MONTH>)

Schema Design - Reference tables
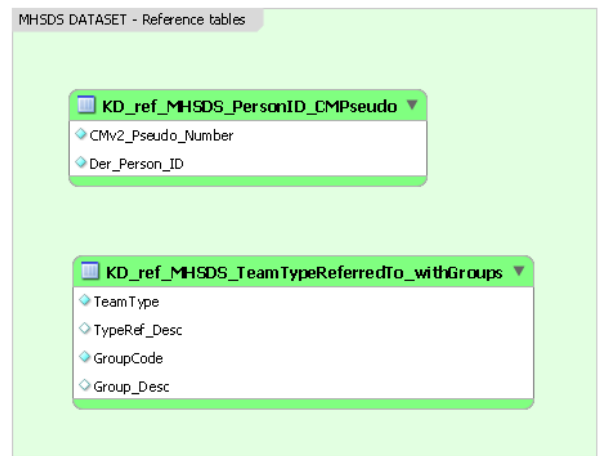
Reference tables - KD_ref_MHSDS_PersonID_CMPseudo

COLUMN	TYPE	DESCRIPTION
CMv2_Pseudo_Number	VARCHAR(100)	Cheshire & Merseyside Pseudo Number
Der_Person_ID	VARCHAR(100)	Person Identifier (cleaned version to remove multiple Person_IDs for the same patient)

Reference tables - KD_ref_MHSDS_TeamTypeReferredTo_withGroups

COLUMN	TYPE	DESCRIPTION
TeamType	VARCHAR(4)	The type of SERVICE or Multidisciplinary Team within a Mental Health Service that a PATIENT was referred to - National Codes
TypeRef_Desc	VARCHAR(100)	The name of SERVICE or Multidisciplinary Team within a Mental Health Service that a PATIENT was referred to.
GroupCode	VARCHAR(4)	The Main group of SERVICE type that a PATIENT was referred to.
Group_Desc	VARCHAR(100)	The Name of Main group SERVICE type that a PATIENT was referred to.