Generic Biobanking Database EER Diagram (Biosys) Recruitment.Person Study.Study StudyID varchar(7) AK IndexID Study.Consent NHSNumber char(10) FK StudyID StudyID varchar(7) varchar(7) HospitalNumber char(10) varchar(20) **PSCID** varchar(14) StudyPersonID char(9) StudyName varchar(50) RenalStudy char(3) Biobank.Datasource char(8) StudyPregnancyID StudyDescription varchar(500) char(3) Genetics IndexID StudyFamilyID char(10) CohortID char(5) char(3) **NonGenetics** computed GroupMembershipID char(10) DatasourceID StartDate (varchar (8)) datetime2 PK IndexID ParticipantType varchar(50) DatasourceName varchar(50) EndDate datetime2 FirstName varchar(50) DatasourceDescription varchar(300) Notes varchar(300) MiddleName varchar(50) SyntaxFriendlyStudyName varchar(50) LastName varchar(50) Cohort.Cohort Biobank.SourceSample DateOfBirth date AK IndexID PK IndexID Sex varchar(15) CohortID varchar(5) Biobank.AliquotBoxPositionConversions SourceSampleID int IndexID CohortName varchar(50) StudyID varchar(7) SourceDerivedFrom **PSCID** varchar(14) CohortDescription varchar(300) PSCID varchar(14) DatasourceID varchar(8) StartDateTime datetime2 SampleType varchar(50) FK BiosysSampleID Recruitment.Staff **EndDateTime** datetime2 SampleID ImportDate datetime2 Notes varchar(300) PK StaffID char(20) Barcode varchar(25) char(3) FirstName varchar(50) Position Biobank.Sample LastName varchar(50) Conversion char(3) Biobank.BoxPositionMap PK SampleID int MiddleName varchar(50) NumericPosition SourceSampleID int varchar(100) StaffEmailAddress AlphaNumericPosition nvarchar(255) PSCID varchar(14) Biobank.BoxContents StartDateTime datetime2 CohortID char(5) PK,FK BoxID **EndDateTime** datetime2 Biobank.BoxContentsHistory StudyID varchar(7) char(3) Position BoxID Barcode varchar(25) FΚ SampleID char(3) FK DerivedFrom Person.ParticipantType StartActionID int char(9) StudyPersonID Biobank.Box **EndActionID** FΚ int PK ParticipantType varchar(50) FK | SampleType varchar(50) PK BoxID Volume(ml) decimal varchar(50) BoxName Biobank.Action Concentration(ng/ul) decimal Biobank.SampleType varchar(20) BoxBarcode PK ActionID Purity(Blank decimal PK SampleType varchar(50) StorageLocationID 260/280) ActionType varchar(50) varchar(20) DestinationLab SampleSetName varchar(50) DateOfAction DateLabReceived date SampleSetType varchar(50) Biobank.SampleIssues TimeOfAction NumberOfRows tinyint **FastingDate** date SampleID int PK SampleIssuesID NumberOfColumns tinyint FΚ BoxID int **FastingTime** time SampleID Capacity tinyint **BottleTotal** Position char(3) varchar(50) SampleType Destroyed Notes varchar(4000) TransactionID varchar(20) varchar(50) Destroyed varchar(200) Biobank.StorageLocation char(100) CollectedBy StorageLocationID BirthType varchar(10) Biobank.CordBloodBirthType FΚ varchar(20) Location BirthOrder int PK BirthType varchar(15) Freezei tinyint ChildPersonID char(9) Biobank.BoxStorageHistory Rack tinyint FΚ BoxID Self Join - SampleID to DerivedFrom tinyint Drawer StorageLocationID int BoxNumber tinyint **BIOBANK** Biobank.Location PK,FK StoredActionID int OtherPlace varchar(50) COHORT RemovedActionID PK Location NonBiBBS PERSON AK LocationFullName varchar(100) RECRUITMENT

REFERENCE

STUDY

PK = Primary Key
FK = Foreign Key
iFK = implicit Foreign Key
AK = Alternative Key

KEY

_ . _ = Implicit entity relationship

Study.FormsAndLinks

VersionNumber char(4)

Reference.LookUpCodes

varchar(7)

varchar(7)

varchar(200)

varchar(200)

varchar(500)

datetime2

datetime2

varchar(100)

varchar(200)

varchar(100)

AK IndexID

PK FormID

URL

StudyID

FormName

ViewName

StartDate

EndDate

PK LookUpID

NumberValue

OrderAsNumber

Biobank.ActionType

tinyint

bit

varchar(50)

TextValue

Label

Category

AK ActionTypeID

BoxOnly

SampleOnly

SampleAndBox

PK ActionType