TrialNet - TN20
Data Dictionary

Table of Contents

Form	File Name
Autoantibody RBA ECL Affinity Subtyping	TN20_AB_RBA_ECL_AFF_SUBTYPING
Adverse Events Form	TN20_ADVERSEEVENTS
CBC with Differential Form	TN20_CBCDIFFERENTIAL
Change in Status Form	TN20_CHANGEINSTATUS
Change in Study Drug Form	TN20_CHANGEINSTUDYDRUG
Class II Tetramer	TN20_CLASS_II_TETRAMER
Concomitant Medications Form	TN20_CONCOMITANTMEDS
CyTOF CD8 Tmr Statistics	TN20_CYTOF_CD8_TMR_STATISTICS
Diabetes Onset Form	TN20_DIABETESONSET
Eligibility Form	TN20_ELIGIBILITY
Frequency and Phenotyping HLA A1	TN20_FREQPHEN_HLA_A1
Frequency and Phenotyping HLA A1 A3	TN20_FREQPHEN_HLA_A1_A3
Frequency and Phenotyping HLA A1 B7	TN20_FREQPHEN_HLA_A1_B7
Frequency and Phenotyping HLA A2	TN20_FREQPHEN_HLA_A2
Frequency and Phenotyping HLA A24	TN20_FREQPHEN_HLA_A24
Frequency and Phenotyping HLA A2 A3	TN20_FREQPHEN_HLA_A2_A3
Frequency and Phenotyping HLA A3 A24	TN20_FREQPHEN_HLA_A3_A24
Frequency and Phenotyping HLA A3 B7	TN20_FREQPHEN_HLA_A3_B7
Frequency and Phenotyping InsB PPI IGRP IAPP	TN20_FREQPHEN_INSBPPIIGRPIAPP
HBsAb	TN20_HBSAB
Initial Visit Form	TN20_INITIALVISIT
Participant Site Transfer Form	TN20_PARTICIPANTSITETRANSFER
Protocol Deviation Form	TN20_PROTOCOLDEVIATION
Registration Form	TN20_REGISTRATION
Research Labs	TN20_RESEARCHLABS
Study Drug Form	TN20_STUDYDRUG
Study Visit Form	TN20_STUDYVISIT
Treatment Start Date Form	TN20_TREATMENTSTARTDATE
Treatment Phase Participant Contact Form	TN20_TREATPHASEPTCONTACT

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Adverse Events Form
File Name: TN20_ADVERSEEVENTS
Number of Observations: 168
Number of Variables: 41

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Visit Date
AEInitialAEID	Num	8	AE Initial AEID
adverse_event_id	Num	8	ADVERSE_EVENT_ID
aedate	Num	8	Date of AE
aereportdt	Num	8	Date AE Reported
AE_Submitted	Num	8	Date AE Initially Submitted
AEPrimarySecondary	Char	100	Primary or Secondary Event
AECategory	Char	100	Category
AETerm	Char	100	AE Term
AETermOther	Char	100	AE Term Other
severity	Num	8	Severity Index
Description	Char	32000	Description
AEexpected	Char	100	AE Expected?
comments	Char	3025	Additional Comments
AETreatLocation	Char	14	Adverse Event Treatment Location
AETreatLocationOther	Char	108	AE Treatment Location Other
AECausalityByReporter	Char	22	Causality by reporter
AECausalityByReviewer	Char	22	Causality by reviewer
AEAssociations_Developmentofacon	Num	8	AEAssociations: Development of a congenital anomaly or birth defect
AEAssociations_Developmentofaper	Num	8	AEAssociations: Development of a permanent/ serious/ disabling /incapacitating condition
AEAssociations_Death	Num	8	AEAssociations: Death
AEAssociations_Hospitalizationor	Num	8	AEAssociations: Hospitalization or prolonged hospitalization
AEAssociations_Lifethreatening	Num	8	AEAssociations: Life threatening
AEAssociations_Isanotherconditio	Num	8	AEAssociations: Is another condition which investigators judge to represent significant hazards
AEAssociations_OtherSeriousImpor	Num	8	AEAssociations: Other Serious Association
aeresolvedt	Num	8	Resolved Date
AEPatientOutcome	Char	100	AE Patient Outcome
death_date	Num	8	Date of Death
Eventabateafterstoppingdrug	Char	14	Did the eventreaction abate after stopping drug

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Adverse Events Form
File Name: TN20_ADVERSEEVENTS
Number of Observations: 168
Number of Variables: 41

Variable Name	Variable Type	Variable Length	Variable Label
Eventreappearafterreintroduct	Char	100	Did event/reaction reappear after reintroduction
AEFollowUpDate	Num	8	Date of Follow-up
AEReasonForFollowup	Char	55	AE Reason for followup
ReviewDate	Num	8	Review Date
ProtocolChanges	Char	8	Protocol Change recommended?
ConsentFormChanges	Char	8	Consent change recommended?
ReviewAddComments	Char	4000	Additional comments
AddInfoRequested	Char	8	Additional information requested?
AddInfoRequestDetails	Char	2000	Additional information request details
DSMBReview	Char	8	Additional information requested?
DSMBReviewRequestDetails	Char	2000	DSMB review request details

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: CBC with Differential Form
File Name: TN20_CBCDIFFERENTIAL
Number of Observations: 887
Number of Variables: 74

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Visit Date
Visit	Char	48	Visit
DateOfBloodDrawDay	Num	8	Date of blood draw day
DateOfBloodDrawMonth	Char	3	Date of blood draw month
DateOfBloodDrawYear	Num	8	Date of blood draw year
TimeOfCollectionHH	Num	8	Time of Collection hour
TimeOfCollectionMM	Num	8	Time of Collection minute
DateReportedDay	Num	8	Date results reported by lab day
DateReportedMonth	Char	3	Date results reported by lab month
DateReportedYear	Num	8	Date results reported by lab year
DateResultsReportedByLabUnknow	Num	8	Date results reported by lab Unknown
TimeResultsProcessedByLabHH	Num	8	Time Results Processed by Lab hour
TimeResultsProcessedByLabMM	Num	8	Time Results Processed by Lab minute
Rbcresults	Num	8	RBC results
Rbcnotdone	Num	8	RBC Not Done
RBCResultsNormal	Char	3	RBC results normal
RBCResultAbormalClinicallySign	Char	3	RBC results abnormal clinically significant
HemoglobinResults	Num	8	Hemoglobin Results
HemoglobinNotDone	Num	8	Hemoglobin Not Done
HemoglobinResultsNormal	Char	3	Hemoglobin Results Normal
HemoglobinResultAbormalClinica	Char	3	Hemoglobin results abnormal clinically significant
HematocritResults	Num	8	Hematocrit results
HematocritNotDone	Num	8	Hematocrit Not Done
HematocritResultsNormal	Char	3	Hematocrit results normal
HematocritResultAbormalClinica	Char	3	Hematocrit results abnormal clinically significant
MCVresults	Num	8	MCV results
MCVNotDone	Num	8	MCV Not Done
MCVresultsNormal	Char	3	MCV results normal
MCVResultAbormalClinicallySign	Char	3	MCV results abnormal clinically significant
PlateletCountResultsNormal	Num	8	Platelet count results

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: CBC with Differential Form
File Name: TN20_CBCDIFFERENTIAL
Number of Observations: 887
Number of Variables: 74

Variable Name	Variable Type	Variable Length	Variable Label
PlateletCountNotDone	Num	8	Platelet count Not Done
PlateletCountResultsNormal2	Char	3	Platelet count results normal
PlateletCountResultAbormalClin	Char	3	Platelet count results abnormal clinically significant
MCHresults	Num	8	MCH results
MCHNotDone	Num	8	MCH count Not Done
MCHresultsNormal	Char	3	MCH results normal
MCHResultAbormalClinicallySign	Char	3	MCH results abnormal clinically significant
MCHCresults	Num	8	MCHC results
MCHCNotDone	Num	8	MCHC count Not Done
MCHCresultsNormal	Char	3	MCHC results normal
MCHCResultAbormalClinicallySig	Char	3	MCHC results abnormal clinically significant
WBCresults	Num	8	WBC results
WBCNotDone	Num	8	WBC Not Done
WBCresultsNormal	Char	3	WBC results normal
WBCResultAbormalClinicallySign	Char	3	WBC results abnormal clinically significant
NeutrophilsResults	Num	8	Neutrophils results
NeutrophilsResultsOR	Num	8	Neutrophils results OR
NeutrophilsNotDone	Num	8	Neutrophils Not Done
NeutrophilsResultsNormal	Char	3	Neutrophils results normal
NeutrophilsResultAbormalClinic	Char	3	Neutrophils results abnormal clinically significant
LymphocytesResults	Num	8	Lymphocytes results
LymphocytesResultsOR	Num	8	Lymphocytes results OR
LymphocytesNotDone	Num	8	Lymphocytes Not Done
LymphocytesResultsNormal	Char	3	Lymphocytes results normal
LymphocytesResultAbormalClinic	Char	3	Lymphocytes results abnormal clinically significant
MonocytesResults	Num	8	Monocytes results
MonocytesResultsOR	Num	8	Monocytes results OR
MonocytesNotDone	Num	8	Monocytes Not Done
MonocytesResultsNormal	Char	3	Monocytes results normal
MonocytesResultAbormalClinical	Char	3	Monocytes results abnormal clinically significant
EosinophilsResults	Num	8	Eosinophils results

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: CBC with Differential Form
File Name: TN20_CBCDIFFERENTIAL
Number of Observations: 887
Number of Variables: 74

Variable Name	Variable Type	Variable Length	Variable Label
EosinophilsResultsOR	Num	8	Eosinophils results OR
EosinophilsNotDone	Num	8	Eosinophils Not Done
EosinophilsResultsNormal	Char	3	Eosinophils results normal
EosinophilsResultAbormalClinic	Char	3	Eosinophils results abnormal clinically significant
BasophilsResults	Num	8	Basophils results
BasophilsResultsOR	Num	8	Basophils results OR
BasophilsNotDone	Num	8	Basophils Not Done
BasophilsResultsNormal	Char	3	Basophils results normal
BasophilsResultAbormalClinical	Char	3	Basophils results abnormal clinically significant
DateTestsRunMonth	Char	3	Date tests run month
DateTestsRunDay	Num	8	Date tests run day
DateTestsRunYear	Num	8	Date tests run year

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Change in Status Form
File Name: TN20_CHANGEINSTATUS
Number of Observations: 88
Number of Variables: 32

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Date of Visit
Visit	Char	48	Visit
DateStatusChangeDay	Num	8	Date change in status became effective Day
DateStatusChangeYear	Num	8	Date change in status became effective Year
DateStatusChangeMonth	Char	3	Date change in status became effective Month
ChangeOfStatusOccuring	Char	98	Change in status that has occurred
DoWDay	Num	8	Date of withdrawal Day
DoWMonth	Char	3	Date of withdrawal Month
DoWYear	Num	8	Date of withdrawal Year
ReasonForWithdrawal	Char	45	Record the primary reason for withdrawal
ReasonForWithdrawalOTHER	Char	789	If OTHER Specify
ReasonWithdrewConsentSpecify	Char	770	Reason Withdrew Consent specify
ReasonAdverseEventSpecify	Char	106	Reason Adverse Event specify
WillingToBeContacted	Char	3	Is the subject still willing to be contacted
DoRDay	Num	8	Date of reactivation Day
DoRMonth	Char	3	Date of reactivation Month
DoRYear	Num	8	Date of reactivation Year
PregnancyCompletionDay	Num	8	If YES what is the estimated date of completion of pregnancy Day
PregnancyCompletionMonth	Char	3	If YES what is the estimated date of completion of pregnancy Month
PregnancyCompletionYear	Num	8	If YES what is the estimated date of completion of pregnancy Year
IsParticipantWillingBeContacte	Char	7	Is the participant still willing to be contacted
ParticipantCompletedEntireStud	Char	3	Participant completed entire study
WillingToContinueAfterPregnanc	Char	3	Is the participant willing to continue particpation as a Control after completion of pregnancy
WithdrewConsentWhy	Char	68	If withdrew consent selected record the reason why
WithdrewConsentWhyIfOther	Char	189	If withdrew consent selected record the reason why If OTHER specify
DateCompletionMM	Char	3	Date of completionMM
LastAttendedVisitMonth	Char	3	If OTHER specify date of visit Month
DateCompletionDD	Num	8	Date of completionDD
DateCompletionYYYY	Num	8	Date of completionYYYY

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Change in Status Form
File Name: TN20_CHANGEINSTATUS
Number of Observations: 88
Number of Variables: 32

Variable Name	Variable Type	Variable Length	Variable Label
LastAttendedVisitDay	Num	8	If OTHER specify date of visit Day
LastAttendedVisitYear	Num	8	If OTHER specify date of visit Year

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Change in Study Drug Form
File Name: TN20_CHANGEINSTUDYDRUG
Number of Observations: 10
Number of Variables: 9

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Date of Visit
ChangeInDrugStatus	Char	14	change in study drug Change in study drug status
ChangeInDrugStatusEffectiveday	Num	8	change in study drug Date change in study drug status effective day
ChangeInDrugStatusEffectivemon	Char	3	change in study drug Date change in study drug status effective month
ChangeInDrugStatusEffectiveyea	Num	8	change in study drug Date change in study drug status effective year
ReasonStudyDrugStopped	Char	62	change in study drug Reason the study drug was stopped
ReasonStudyDrugStoppedOther	Char	534	change in study drug IF OTHER specify
IsThereChangeInStudyStatus	Char	3	change in study drug Is there a change in study status at this time

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Concomitant Medications Form
File Name: TN20_CONCOMITANTMEDS
Number of Observations: 466
Number of Variables: 24

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Date of Visit
Visit	Char	48	Visit
AssessDateDay	Num	8	Assessment date day
AssessDateMonth	Char	3	Assessment date month
AssessDateYear	Num	8	Assessment date year
Medication	Char	154	Medication
Dose	Num	8	Dose
Units	Char	11	Units
UnitIfOtherSpecify	Char	73	Units specify detail if OTHER is selected
ConMedsFrequencyChoices	Char	5	Frequency Choices
ConMedsFrequencyOtherDetail	Char	390	Frequency specify detail if OTHER is selected
ConMedsIntervalChoices	Char	5	Interval Choices
ConMedsIntervalOtherDetails	Char	142	Interval specify details if OTHER is selected
ConMedsRoute	Char	26	Route
ConMedsRouteOtherDetails	Char	24	Route specify detail if OTHER is selected
Indication	Char	354	Indication
StartDateDay	Num	8	Start date day
StartDateMonth	Char	3	Start date month
StartDateYear	Num	8	Start date year
IsContinuing	Char	3	Is Continuing
StopDateDay	Num	8	Stop date day
StopDateMonth	Char	3	Stop date month
StopDateYear	Num	8	Stop date year

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Diabetes Onset Form
File Name: TN20_DIABETESONSET
Number of Observations: 9
Number of Variables: 195

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Date of Visit
DiagnosisDay	Num	8	Diagnosis day
DiagnosisMonth	Char	3	Diagnosis month
DiagnosisYear	Num	8	Diagnosis year
DiagnosisBy	Char	19	Diagnosis made by
DiagnosisByOthersSpecify	Char	97	If other facility specify
InsulinTreatmentStartedDay	Num	8	Day insulin treatment started
InsulinTreatmentStartedMonth	Char	3	Month insulin treatment started
InsulinTreatmentStartedYear	Num	8	Year insulin treatment started
DateInsulinTreatmentStartedUnk	Num	8	Date Insulin treatment started Unknown
HospitalizedAtDiagnosisTime	Char	3	Was the participant hospitalized at the time of diagnosis
AdmissionDay	Num	8	Day of admission
AdmissionMonth	Char	3	Month of admission
AdmissionYear	Num	8	Year of admission
DischargeDay	Num	8	Day of discharge
DischargeMonth	Char	3	Month of discharge
DischargeYear	Num	8	Year of discharge
Polyuria	Char	3	Did the participant experience Polyuria
PolyuriaMonth	Char	3	Month polyuria experienced
PolyuriaYear	Num	8	Year polyuria experienced
Polydipsia	Char	3	Did the participant experience Polydipsia
PolydipsiaMonth	Char	3	Month polydipsia experienced
Polydipsiayear	Num	8	Year polydipsia experienced
Polyphagia	Char	3	Did the participant experience Polyphagia
PolyphagiaMonth	Char	3	Month polyphagia experienced
PolyphagiaYear	Num	8	Year polyphagia experienced
Fatigue	Char	3	Did the participant experience fatigue
FatigueMonth	Char	3	Month fatigue experienced
FatigueYear	Num	8	Year fatigue experienced
UnexplainedWeightLoss	Char	3	Did the participant experience unexplained weight loss

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Diabetes Onset Form
File Name: TN20_DIABETESONSET
Number of Observations: 9
Number of Variables: 195

Variable Name	Variable Type	Variable Length	Variable Label
UnexplainedWeightLossMonth	Char	3	Month of unexplained weight loss
UnexplainedWeightLossYear	Num	8	Year of unexplained weight loss
WeightLostInKgs	Num	8	Amount of weight loss in kgs
WeightLostInLbs	Num	8	Amount of weight loss in lbs
Ketoacidosis	Char	3	Did the participant experience ketoacidosis
KetoacidosisMonth23	Char	3	Did the participant experience Ketoacidosismonth
KetoacidosisYear23	Num	8	Did the participant experience Ketoacidosisyear
PlasmaGlucoseResult	Num	8	Plasma glucose result
PlasmaGlucoseUnits	Char	6	Plasma glucose units
PlasmaGlucoseRefRangeLow	Num	8	Plasma glucose low reference range
PlasmaGlucoseRefRangeHigh	Num	8	Plasma glucose high reference range
PlasmaGlucoseday	Num	8	Plasma glucose day
PlasmaGlucoseMonth	Char	3	Plasma glucose month
PlasmaGlucoseYear	Num	8	Plasma glucose year
pHResult	Num	8	pH(serum) result
pHUnits	Char	7	pH(serum) units
pHReferenceRangeLow	Num	8	pH(serum) low reference range
pHReferenceRangeHigh	Num	8	pH(serum) high reference range
pHday	Num	8	pH(serum) day
pHMonth	Char	3	pH(serum) month
pHYear	Num	8	pH(serum) year
SerumKetonesResult	Num	8	Serum ketones result
SerumKetonesUnits	Char	7	Serum ketones units
SerumKetonesRefRangeLow	Num	8	Serum ketones low reference range
SerumKetonesRefRangeHigh	Num	8	Serum ketones high reference range
SerumKetonesday	Num	8	Serum ketones day
SerumKetonesMonth	Char	3	Serum ketones month
SerumKetonesYear	Num	8	Serum ketones year
AnionGapResult	Num	8	Anion gap result
AnionGapUnits	Char	22	Anion gap units
AnionGapRefRangeLow	Num	8	Anion gap low reference range

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Diabetes Onset Form
File Name: TN20_DIABETESONSET
Number of Observations: 9
Number of Variables: 195

Variable Name	Variable Type	Variable Length	Variable Label
AnionGapRefRangeHigh	Num	8	Anion gap high reference range
AnionGapDay	Num	8	Anion gap day
AnionGapMonth	Char	3	Anion gap month
AnionGapYear	Num	8	Anion gap year
BicarbonateResult	Num	8	Bicarbonate result
BicarbonateUnits	Char	22	Bicarbonate units
BicarbonateRefRangeLow	Num	8	Bicarbonate low reference range
BicarbonateRefRangeHigh	Num	8	Bicarbonate high reference range
BicarbonateDay	Num	8	bicarbonate day
BicarbonateMonth	Char	3	Bicarbonate month
BicarbonateYear	Num	8	Bicarbonate year
UrineKetonesResult	Num	8	Urine ketones result
UrineKetonesUnits	Char	7	Urine ketones units
UrineKetonesRefRangeLow	Num	8	Urine ketones low reference range
UrineKetonesRefRangeHigh	Num	8	Urine ketones high reference range
UrineKetonesDay	Num	8	Urine ketones day
UrineKetonesMonth	Char	3	Urine ketones month
UrineKetonesYear	Num	8	Urine ketones year
Result1_1	Num	8	Glucose level result
Units1_1	Char	6	Glucose level units
LowerReferenceRange1_1	Num	8	Glucose level low reference range
HigherReferenceRange1_1	Num	8	Glucose level high reference range
GlucoseDay1_1	Num	8	Glucose day
GlucoseMonth1_1	Char	3	Glucose month
GlucoseYear1_1	Num	8	Glucose year
GlucoseType1_1	Char	9	Glucose type
MeasuredBy1_1	Char	9	Glucose levels measured by
Result2_1	Num	8	Glucose level result
Units2_1	Char	6	Glucose level units
LowerReferenceRange2_1	Num	8	Glucose level low reference range
HigherReferenceRange2_1	Num	8	Glucose level high reference range

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Diabetes Onset Form
File Name: TN20_DIABETESONSET
Number of Observations: 9
Number of Variables: 195

Variable Name	Variable Type	Variable Length	Variable Label
GlucoseDay2_1	Num	8	Glucose day
GlucoseMonth2_1	Char	3	Glucose month
GlucoseYear2_1	Num	8	Glucose year
GlucoseType2_1	Char	9	Glucose type
MeasuredBy2_1	Char	9	Glucose levels measured by
Result3_1	Num	8	Glucose level result
Units3_1	Char	6	Glucose level units
LowerReferenceRange3_1	Num	8	Glucose level lower reference range
HigherReferenceRange3_1	Num	8	Glucose level higher reference range
GlucoseDay3_1	Num	8	Glucose day
GlucoseMonth3_1	Char	3	Glucose month
GlucoseYear3_1	Num	8	Glucose year
GlucoseType3_1	Char	9	Glucose type
MeasuredBy3_1	Char	9	Glucose levels measured by
Result4_1	Num	8	Glucose level result
Units4_1	Char	6	Glucose level units
LowerReferenceRange4_1	Num	8	Glucose level low reference range
HigherReferenceRange4_1	Num	8	Glucose level high reference range
GlucoseDay4_1	Num	8	Glucose day
GlucoseMonth4_1	Char	3	Glucose month
GlucoseYear4_1	Num	8	Glucose year
GlucoseType4_1	Char	9	Glucose type
MeasuredBy4_1	Char	9	Glucose levels measured by
Result5_1	Num	8	Glucose level result
Units5_1	Char	6	Glucose level units
LowerReferenceRange5_1	Num	8	Glucose level low reference range
HigherReferenceRange5_1	Num	8	Glucose level high reference range
GlucoseDay5_1	Num	8	Glucose day
GlucoseMonth5_1	Char	3	Glucose month
GlucoseYear5_1	Num	8	Glucose year
GlucoseType5_1	Char	9	Glucose type

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Diabetes Onset Form
File Name: TN20_DIABETESONSET
Number of Observations: 9
Number of Variables: 195

Variable Name	Variable Type	Variable Length	Variable Label
MeasuredBy5_1	Char	9	Glucose levels measured by
Result6_1	Num	8	Glucose level result
Units6_1	Char	6	Glucose level units
LowerReferenceRange6_1	Num	8	Glucose level low reference range
HigherReferenceRange6_1	Num	8	Glucose level high reference range
GlucoseDay6_1	Num	8	Glucose day
GlucoseMonth6_1	Char	3	Glucose month
GlucoseYear6_1	Num	8	Glucose year
GlucoseType6_1	Char	9	Glucose type
MeasuredBy6_1	Char	9	Glucose levels measured by
Result7_1	Num	8	Glucose level result
Units7_1	Char	6	Glucose level units
LowerReferenceRange7_1	Num	8	Glucose level low reference range
HigherReferenceRange7_1	Num	8	Glucose level high reference range
GlucoseDay7_1	Num	8	Glucose day
GlucoseMonth7_1	Char	3	Glucose month
GlucoseYear7_1	Num	8	Glucose year
GlucoseType7_1	Char	9	Glucose type
MeasuredBy7_1	Char	9	Glucose levels measured by
Result8_1	Num	8	Glucose level result
Units8_1	Char	6	Glucose level units
LowerReferenceRange8_1	Num	8	Glucose level low reference range
HigherReferenceRange8_1	Num	8	Glucose level high reference range
GlucoseDay8_1	Num	8	Glucose day
GlucoseMonth8_1	Char	3	Glucose month
GlucoseYear8_1	Num	8	Glucose year
GlucoseType8_1	Char	7	Glucose type
MeasuredBy8_1	Char	9	Glucose levels measured by
Result9_1	Num	8	Glucose level result
Units9_1	Char	6	Glucose level units
LowerReferenceRange9_1	Num	8	Glucose level low reference range

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Diabetes Onset Form
File Name: TN20_DIABETESONSET
Number of Observations: 9
Number of Variables: 195

Variable Name	Variable Type	Variable Length	Variable Label
HigherReferenceRange9_1	Num	8	Glucose level high reference range
GlucoseDay9_1	Num	8	Glucose day
GlucoseMonth9_1	Char	3	Glucose month
GlucoseYear9_1	Num	8	Glucose year
GlucoseType9_1	Char	6	Glucose type
MeasuredBy9_1	Char	9	Glucose levels measured by
Result10_1	Num	8	Glucose level result
Units10_1	Char	6	Glucose level units
LowerReferenceRange10_1	Num	8	Glucose level low reference range
HigherReferenceRange10_1	Num	8	Glucose level high reference range
GlucoseDay10_1	Num	8	Glucose day
GlucoseMonth10_1	Char	3	Glucose month
GlucoseYear10_1	Num	8	Glucose year
GlucoseType10_1	Char	7	Glucose type
MeasuredBy10_1	Char	9	Glucose levels measured by
Result11_1	Num	8	Glucose level result
Units11_1	Char	6	Glucose level units
LowerReferenceRange11_1	Num	8	Glucose level low reference range
HigherReferenceRange11_1	Num	8	Glucose level high reference range
GlucoseDay11_1	Num	8	Glucose day
GlucoseMonth11_1	Char	3	Glucose month
GlucoseYear11_1	Num	8	Glucose year
GlucoseType11_1	Char	6	Glucose type
MeasuredBy11_1	Char	9	Glucose levels measured by
Result12_1	Num	8	Glucose level result
Units12_1	Char	1	Glucose level units
LowerReferenceRange12_1	Num	8	Glucose level low reference range
HigherReferenceRange12_1	Num	8	Glucose level high reference range
GlucoseDay12_1	Num	8	Glucose day
GlucoseMonth12_1	Char	3	Glucose month
GlucoseYear12_1	Num	8	Glucose year

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Diabetes Onset Form
File Name: TN20_DIABETESONSET
Number of Observations: 9
Number of Variables: 195

Variable Name	Variable Type	Variable Length	Variable Label
GlucoseType12_1	Char	6	Glucose type
MeasuredBy12_1	Char	9	Glucose levels measured by
HbA1cResult	Num	8	Other laboratory values hba1c result
HbA1cLowerReferenceRange	Num	8	Other laboratory values hba1c low reference range
HbA1chigherrReferenceRange	Num	8	Other laboratory values hba1c high reference range
HbA1cDay	Num	8	Other laboratory values hba1c day
HbA1cMonth	Char	3	Other laboratory values hba1c month
HbA1cYear	Num	8	Other laboratory values hba1c year
Currentvisitorlastscheduledvis	Char	8	Current visit or last scheduled visit preceding diagnosis of diabetes

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Eligibility Form
File Name: TN20_ELIGIBILITY
Number of Observations: 96
Number of Variables: 24

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Date of Visit
Visit	Char	48	Visit
ICaIstheparticipantinTrialNetN	Char	3	IC a Is the participant in TrialNet Natural HistoryPathway to Prevention Study TN01 and thus a relative of a proband with T1D and between the ages of 145 at the time of enrollment in TN01
ICbIfmostrecentOGTTdemonstrate	Char	3	IC b If most recent OGTT demonstrates Normal Glucose Tolerance is the participant 3 years
ICcDoestheparticipanthaveaconf	Char	3	IC c Does the participant have a confirmed positive mIAA result within the past 6 months
ICdDoestheparticipanthaveatlea	Char	3	IC d Does the participant have at least one other diabetesassociated autoantibody present on two separate samples one of which was drawn within the past six months
ICeDoestheparticipantweigh12kg	Char	3	IC e Does the participant weigh 12kg at the time of randomization
ICfIstheparticipantwillingtopr	Char	3	IC f Is the participant willing to provide informed consent or if the subject is 18 years of age have a legal guardian provide informed consent
ECaHastheparticipantbeendiagno	Char	2	EC a Has the participant been diagnosed with type 1 diabetes or has their most recent OGTT shown a fasting glucose >=126 mgdl or a 2 hour glucose >=200 mgdl
ECbHastheparticipanthadpriorpa	Char	2	EC b Has the participant had prior participation in a clinical research study for secondary prevention of type 1 diabetes
ECcDoestheparticipanthaveahist	Char	2	EC c Does the participant have a history of treatment with insulin or any oral hypoglycemic agent
ExclusionMedAlteringStomachAci	Char	2	Does the participant have current chronic use of medications altering stomach acid such as H2 blockers proton pump inhibitors and antacids
ExclusionGastricHistory	Char	2	Does the participant have a history of gastric ulcer or gastric surgery
ECdHastheparticipantbeentreate	Char	2	EC d Has the participant been treated with immunosuppressive drugs or glucocorticoids within the past 2 years for a period of more than 3 months
ECeDoestheparticipanthaveadise	Char	3	EC e Does the participant have a disease which would limit hisher ability to participate in the study
ECgDoestheparticipanthaveongoi	Char	2	EC g Does the participant have ongoing use of medications known to influence glucose tolerance eg sulfonylureas growth hormone metformin anticonvulsants thiazide or potassium depleting diuretics beta adrenergic blockers niacin Participants on such medicati
EChIstheparticipantpregnant	Char	2	EC h Is the participant pregnant intending to become pregnant while on study or lactating

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Eligibility Form
File Name: TN20_ELIGIBILITY
Number of Observations: 96
Number of Variables: 24

Variable Name	Variable Type	Variable Length	Variable Label
ECiIstheparticipantdeemedunlik	Char	3	Is the participant deemed unlikely or unable to comply with the protocol, or does the participant have any complicating medical issues or abnormal clinical laboratory values that interfere with study conduct or cause increased risk?
immediatefamilycurrentlyrandom	Char	2	Is there anyone in the immediate family or living in the household who is currently randomized in the TN20 Immune Effects of Oral Insulin Trial
HouseholdParticipatingTN20P1_1	Char	1	Household Participating TN20 PID
HouseholdParticipatingTN20P1_2	Char	1	Household Participating TN20 PID Relationship
HowmanyhouseholdparticipateinT	Num	8	How many household participate in TN20
EligibilityCommitteeReview	Char	3	Subject is Eligible per TrialNet Eligibility Committee Review

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Initial Visit Form
File Name: TN20_INITIALVISIT
Number of Observations: 116
Number of Variables: 198

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Date of Visit
Visit	Char	48	Visit
Datewritteninformedconsentasse	Num	8	Date written informed consent assent obtained Day
Datewritteninformedconsentasse2	Char	3	Date written informed consent assent obtained Month
Datewritteninformedconsentasse3	Num	8	Date written informed consent assent obtained Year
consenttocontinuedstorageofres	Char	3	On the consent form did the participantparticipants legal guardian consent to continued storage of residual blood samples in the NIDDK Repository after TrialNet has ended
WastheVolunteerUnderstandingAs	Char	3	Was the Volunteer Understanding Assessment Completed
AddisonsDisease	Char	2	Addisons Disease
AddisonsDiseaseDateofDiagnosis	Num	8	Addisons Disease Date of Diagnosis Day
AddisonsDiseaseDateofDiagnosis2	Char	1	Addisons Disease Date of Diagnosis Month
AddisonsDiseaseDateofDiagnosis3	Num	8	Addisons Disease Date of Diagnosis Year
Alopecia	Char	2	Alopecia
AlopeciaDateofDiagnosisDay	Num	8	Alopecia Date of Diagnosis Day
AlopeciaDateofDiagnosisMonth	Char	1	Alopecia Date of Diagnosis Month
AlopeciaDateofDiagnosisYear	Num	8	Alopecia Date of Diagnosis Year
CeliacDisease	Char	2	Celiac Disease
CeliacDiseaseDateofDiagnosisDa	Num	8	Celiac Disease Date of Diagnosis Day
CeliacDiseaseDateofDiagnosisMo	Char	1	Celiac Disease Date of Diagnosis Month
CeliacDiseaseDateofDiagnosisYe	Num	8	Celiac Disease Date of Diagnosis Year
GravesDisease	Char	2	Graves Disease
GravesDiseaseDateofDiagnosisDa	Num	8	Graves Disease Date of Diagnosis Day
GravesDiseaseDateofDiagnosisMo	Char	1	Graves Disease Date of Diagnosis Month
GravesDiseaseDateofDiagnosisYe	Num	8	Graves Disease Date of Diagnosis Year
HypogonadismorPrematureMenopau	Char	2	Hypogonadism or Premature Menopause
HypogonadismorPrematureMenopau2	Num	8	Hypogonadism or Premature Menopause Date of Diagnosis Day
HypogonadismorPrematureMenopau3	Char	1	Hypogonadism or Premature Menopause Date of Diagnosis Month
HypogonadismorPrematureMenopau4	Num	8	Hypogonadism or Premature Menopause Date of Diagnosis Year
Hypoparathyroidism	Char	2	Hypoparathyroidism
HypoparathyroidismDateofDiagno	Num	8	Hypoparathyroidism Date of Diagnosis Day

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Initial Visit Form
File Name: TN20_INITIALVISIT
Number of Observations: 116
Number of Variables: 198

Variable Name	Variable Type	Variable Length	Variable Label
HypoparathyroidismDateofDiagno2	Char	1	Hypoparathyroidism Date of Diagnosis Month
HypoparathyroidismDateofDiagno3	Num	8	Hypoparathyroidism Date of Diagnosis Year
AutoimmuneThyroidDisease	Char	3	Autoimmune Thyroid Disease
AutoimmuneThyroidDiseaseDateof	Num	8	Autoimmune Thyroid Disease Date of Diagnosis Day
AutoimmuneThyroidDiseaseDateof2	Char	3	Autoimmune Thyroid Disease Date of Diagnosis Month
AutoimmuneThyroidDiseaseDateof3	Num	8	Autoimmune Thyroid Disease Date of Diagnosis Year
MHInflammatoryBowelDisease	Char	2	MHInflammatory Bowel Disease
MHInflammatoryBowelDiseaseDay	Num	8	MHInflammatory Bowel Disease Day
MHInflammatoryBowelDiseaseMont	Char	1	MHInflammatory Bowel Disease Month
MHInflammatoryBowelDiseaseYear	Num	8	MHInflammatory Bowel Disease Year
Lupus	Char	2	Lupus
LupusDateofDiagnosisDay	Num	8	Lupus Date of Diagnosis Day
LupusDateofDiagnosisMonth	Char	1	Lupus Date of Diagnosis Month
LupusDateofDiagnosisYear	Num	8	Lupus Date of Diagnosis Year
MultipleSclerosis	Char	2	Multiple Sclerosis
MultipleSclerosisDateofDiagnos	Num	8	Multiple Sclerosis Date of Diagnosis Day
MultipleSclerosisDateofDiagnos2	Char	1	Multiple Sclerosis Date of Diagnosis Month
MultipleSclerosisDateofDiagnos3	Num	8	Multiple Sclerosis Date of Diagnosis Year
PerniciousAnemia	Char	2	Pernicious Anemia
PerniciousAnemiaDateofDiagnosi	Num	8	Pernicious Anemia Date of Diagnosis Day
PerniciousAnemiaDateofDiagnosi2	Char	1	Pernicious Anemia Date of Diagnosis Month
PerniciousAnemiaDateofDiagnosi3	Num	8	Pernicious Anemia Date of Diagnosis Year
Psoriasis	Char	2	Psoriasis
PsoriasisDateofDiagnosisDay	Num	8	Psoriasis Date of Diagnosis Day
PsoriasisDateofDiagnosisMonth	Char	1	Psoriasis Date of Diagnosis Month
PsoriasisDateofDiagnosisYear	Num	8	Psoriasis Date of Diagnosis Year
RheumatologicDisease	Char	2	Rheumatologic Disease
RheumatologicDiseaseDateofDiag	Num	8	Rheumatologic Disease Date of Diagnosis Day
RheumatologicDiseaseDateofDiag2	Char	1	Rheumatologic Disease Date of Diagnosis Month
RheumatologicDiseaseDateofDiag3	Num	8	Rheumatologic Disease Date of Diagnosis Year
Vitiligo	Char	3	Vitiligo

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Initial Visit Form
File Name: TN20_INITIALVISIT
Number of Observations: 116
Number of Variables: 198

Variable Name	Variable Type	Variable Length	Variable Label
VitiligoDateofDiagnosisDay	Num	8	Vitiligo Date of Diagnosis Day
VitiligoDateofDiagnosisMonth	Char	3	Vitiligo Date of Diagnosis Month
VitiligoDateofDiagnosisYear	Num	8	Vitiligo Date of Diagnosis Year
OtherDisease1_1	Char	3	Other Disease
OtherDiseaseSpecify1_1	Char	11	Other Disease Specify
OtherDiseaseDateofDiagnosis1_1	Num	8	Other Disease Date of Diagnosis Day
OtherDiseaseDateofDiagnosis1_2	Char	3	Other Disease Date of Diagnosis Month
OtherDiseaseDateofDiagnosis1_3	Num	8	Other Disease Date of Diagnosis Year
Frequentotherinfections	Char	1	Frequent other infections
FrequentotherinfectionsYes	Char	1	Frequent other infections Yes
Hastheparticipantusedantibioti	Char	3	Has the participant used antibiotics in the past 3 months
Hastheparticipantusedantibioti2	Char	1	Has the participant used antibiotics in the past 3 months Yes
firstorseconddegreerelativesbe	Char	3	Have any of your first or second degree relatives been diagnosed with Type 1 Diabetes T1D since the completion of the Natural History Family History Form NH01F
RelativewithType1Diabetes1_1	Char	22	Relative with Type 1 Diabetes
SexofRelative1_1	Char	6	Sex of Relative
CurrentAgeofRelative1_1	Num	8	Current Age of Relative
AgeofT1DOnsetinRelative1_1	Num	8	Age of T1D Onset in Relative
AgeRelativeStartedInsulin1_1	Num	8	Age Relative Started Insulin
Comments1_1	Char	10	Comments
RelativewithType1Diabetes2_1	Char	14	Relative with Type 1 Diabetes
SexofRelative2_1	Char	6	Sex of Relative
CurrentAgeofRelative2_1	Num	8	Current Age of Relative
AgeofT1DOnsetinRelative2_1	Num	8	Age of T1D Onset in Relative
AgeRelativeStartedInsulin2_1	Num	8	Age Relative Started Insulin
Comments2_1	Char	1	Comments
RelativewithType1Diabetes3_1	Char	14	Relative with Type 1 Diabetes
SexofRelative3_1	Char	6	Sex of Relative
CurrentAgeofRelative3_1	Num	8	Current Age of Relative
AgeofT1DOnsetinRelative3_1	Num	8	Age of T1D Onset in Relative
AgeRelativeStartedInsulin3_1	Num	8	Age Relative Started Insulin

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Initial Visit Form
File Name: TN20_INITIALVISIT
Number of Observations: 116
Number of Variables: 198

Variable Name	Variable Type	Variable Length	Variable Label
Comments3_1	Char	8	Comments
Hasanyoneintheparticipantfamil	Char	7	Has anyone in the participants family first or second degree relatives only ever been diagnosed with an autoimmune diseases
Hastheparticipanteverbeendiagn	Char	3	Has the participant ever been diagnosed with an autoimmune diseases
ADHAddisonsDisease	Char	2	ADH Addisons Disease
ADHAddisonsDiseaseDateofDiagno	Num	8	ADH Addisons Disease Date of Diagnosis Day
ADHAddisonsDiseaseDateofDiagno2	Char	1	ADH Addisons Disease Date of Diagnosis Month
ADHAddisonsDiseaseDateofDiagno3	Num	8	ADH Addisons Disease Date of Diagnosis Year
ADHAlopecia	Char	3	ADH Alopecia
ADHAlopeciaDateofDiagnosisDay	Num	8	ADH Alopecia Date of Diagnosis Day
ADHAlopeciaDateofDiagnosisMont	Char	3	ADH Alopecia Date of Diagnosis Month
ADHAlopeciaDateofDiagnosisYear	Num	8	ADH Alopecia Date of Diagnosis Year
ADHCeliacDisease	Char	3	ADH Celiac Disease
ADHCeliacDiseaseDateofDiagnosi	Num	8	ADH Celiac Disease Date of Diagnosis Day
ADHCeliacDiseaseDateofDiagnosi2	Char	3	ADH Celiac Disease Date of Diagnosis Month
ADHCeliacDiseaseDateofDiagnosi3	Num	8	ADH Celiac Disease Date of Diagnosis year
ADHGravesDisease	Char	3	ADH Graves Disease
ADHGravesDiseaseDateofDiagnosi	Num	8	ADH Graves Disease Date of Diagnosis Day
ADHGravesDiseaseDateofDiagnosi2	Char	1	ADH Graves Disease Date of Diagnosis Month
ADHGravesDiseaseDateofDiagnosi3	Num	8	ADH Graves Disease Date of Diagnosis Year
ADHHypogonadismorPrematureMeno	Char	3	ADH Hypogonadism or Premature Menopause
ADHHypogonadismorPrematureMeno2	Num	8	ADH Hypogonadism or Premature Menopause Date of Diagnosis Day
ADHHypogonadismorPrematureMeno3	Char	3	ADH Hypogonadism or Premature Menopause Date of Diagnosis Month
ADHHypogonadismorPrematureMeno4	Num	8	ADH Hypogonadism or Premature Menopause Date of Diagnosis Year
ADHHypoparathyroidism	Char	3	ADH Hypoparathyroidism
ADHHypoparathyroidismDateofDia	Num	8	ADH Hypoparathyroidism Date of Diagnosis Day
ADHHypoparathyroidismDateofDia2	Char	1	ADH Hypoparathyroidism Date of Diagnosis Month
ADHHypoparathyroidismDateofDia3	Num	8	ADH Hypoparathyroidism Date of Diagnosis Year
ADHAutoimmuneThyroidDisease	Char	3	ADH Autoimmune Thyroid Disease
ADHAutoimmuneThyroidDiseaseDat	Num	8	ADH Autoimmune Thyroid Disease Date of Diagnosis Day
ADHAutoimmuneThyroidDiseaseDat2	Char	3	ADH Autoimmune Thyroid Disease Date of Diagnosis Month
ADHAutoimmuneThyroidDiseaseDat3	Num	8	ADH Autoimmune Thyroid Disease Date of Diagnosis Year

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Initial Visit Form
File Name: TN20_INITIALVISIT
Number of Observations: 116
Number of Variables: 198

Variable Name	Variable Type	Variable Length	Variable Label
ADHInflammatoryBowelDisease	Char	3	ADH Inflammatory Bowel Disease
ADHInflammatoryBowelDiseaseDat	Num	8	ADH Inflammatory Bowel Disease Date of Diagnosis Day
ADHInflammatoryBowelDiseaseDat2	Char	1	ADH Inflammatory Bowel Disease Date of Diagnosis Month
ADHInflammatoryBowelDiseaseDat3	Num	8	ADH Inflammatory Bowel Disease Date of Diagnosis Year
ADHLupus	Char	3	ADH Lupus
ADHLupusDateofDiagnosisDay	Num	8	ADH Lupus Date of Diagnosis Day
ADHLupusDateofDiagnosisMonth	Char	1	ADH Lupus Date of Diagnosis Month
ADHLupusDateofDiagnosisYear	Num	8	ADH Lupus Date of Diagnosis Year
ADHMultipleSclerosis	Char	3	ADH Multiple Sclerosis
ADHMultipleSclerosisDateofDiag	Num	8	ADH Multiple Sclerosis Date of Diagnosis Day
ADHMultipleSclerosisDateofDiag2	Char	3	ADH Multiple Sclerosis Date of Diagnosis Month
ADHMultipleSclerosisDateofDiag3	Num	8	ADH Multiple Sclerosis Date of Diagnosis Year
ADHPerniciousAnemia	Char	2	ADH Pernicious Anemia
ADHPerniciousAnemiaDateofDiagn	Num	8	ADH Pernicious Anemia Date of Diagnosis Day
ADHPerniciousAnemiaDateofDiagn2	Char	1	ADH Pernicious Anemia Date of Diagnosis Month
ADHPerniciousAnemiaDateofDiagn3	Num	8	ADH Pernicious Anemia Date of Diagnosis Year
ADHPsoriasis	Char	3	ADH Psoriasis
ADHPsoriasisDateofDiagnosisDay	Num	8	ADH Psoriasis Date of Diagnosis Day
ADHPsoriasisDateofDiagnosisMon	Char	3	ADH Psoriasis Date of Diagnosis Month
ADHPsoriasisDateofDiagnosisYea	Num	8	ADH Psoriasis Date of Diagnosis Year
ADHRheumatologicDisease	Char	3	ADH Rheumatologic Disease
ADHRheumatologicDiseaseDateofD	Num	8	ADH Rheumatologic Disease Date of Diagnosis Day
ADHRheumatologicDiseaseDateofD2	Char	3	ADH Rheumatologic Disease Date of Diagnosis Month
ADHRheumatologicDiseaseDateofD3	Num	8	ADH Rheumatologic Disease Date of Diagnosis Year
ADHVitiligo	Char	3	ADH Vitiligo
ADHVitiligoDateofDiagnosisDay	Num	8	ADH Vitiligo Date of Diagnosis Day
ADHVitiligoDateofDiagnosisMont	Char	1	ADH Vitiligo Date of Diagnosis Month
ADHVitiligoDateofDiagnosisYear	Num	8	ADH Vitiligo Date of Diagnosis Year
ADHOther1_1	Char	3	ADH Other
ADHOtherSpecify1_1	Char	35	ADH Other Specify
ADHOtherDateofDiagnosisDay1_1	Num	8	ADH Other Date of Diagnosis Day

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Initial Visit Form
File Name: TN20_INITIALVISIT
Number of Observations: 116
Number of Variables: 198

Variable Name	Variable Type	Variable Length	Variable Label
ADHOtherDateofDiagnosisMont1_1	Char	3	ADH Other Date of Diagnosis Month
ADHOtherDateofDiagnosisYear1_1	Num	8	ADH Other Date of Diagnosis Year
ADHOther2_1	Char	3	ADH Other
ADHOtherSpecify2_1	Char	20	ADH Other Specify
ADHOtherDateofDiagnosisDay2_1	Num	8	ADH Other Date of Diagnosis Day
ADHOtherDateofDiagnosisMont2_1	Char	3	ADH Other Date of Diagnosis Month
ADHOtherDateofDiagnosisYear2_1	Num	8	ADH Other Date of Diagnosis Year
Doestheparticipanthavereproduc	Char	3	Does the participant have reproductive or childbearing potential
Wasaurinepregnancytestcomplete	Char	3	Was a urine pregnancy test completed at this visit
Wasthetestresultpositive	Char	2	Was the test result positive
bloodpressureSystolic	Num	8	blood pressure Systolic
bloodpressureDiastolic	Num	8	blood pressure Diastolic
bloodpressureDiastolicNotDone	Num	8	blood pressure Diastolic Not Done
Weight	Num	8	Weight
WeightNotDone	Num	8	Weight Not Done
Height	Num	8	Height
HeightNotDone	Num	8	Height Not Done
Wasaphysicalexamperformedatthi	Char	3	Was a physical exam performed at this visit
HEENT	Char	8	HEENT
HEENTABNORMAL	Char	122	HEENT ABNORMAL
NeckThyroid	Char	8	NeckThyroid
NeckThyroidAbnormal	Char	112	NeckThyroid abnormal
Heart	Char	6	Heart
HeartAbnormal	Char	1	Heart Abnormal
Lungs	Char	8	Lungs
LungsAbnormal	Char	98	Lungs Abnormal
Pulses	Char	12	Pulses
PulsesAbnormal	Char	40	Pulses Abnormal
Musculoskeletal	Char	8	Musculoskeletal
MusculoskeletalAbnormal	Char	35	Musculoskeletal Abnormal
Genitalia	Char	12	Genitalia

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Initial Visit Form
File Name: TN20_INITIALVISIT
Number of Observations: 116
Number of Variables: 198

Variable Name	Variable Type	Variable Length	Variable Label
GenitaliaAbnormal	Char	1	Genitalia Abnormal
Abdomen	Char	8	Abdomen
AbdomenAbnormal	Char	145	Abdomen Abnormal
Lymphatics	Char	12	Lymphatics
LymphaticsAbnormal	Char	1	Lymphatics Abnormal
Skin	Char	8	Skin
SkinAbnormal	Char	85	Skin Abnormal
Neurologic	Char	8	Neurologic
NeurologicAbnormal	Char	4	Neurologic Abnormal
OtherinPhysicalExam1_1	Char	12	Other in Physical Exam
OtherinPhysicalExamAbnormal1_1	Char	49	Other in Physical Exam Abnormal
OtherinPhysicalExamSpecify1_1	Char	49	Other in Physical Exam Specify
RandomFingerstickGlu	Num	8	Random fingerstick glucose per clinic meter
RandomFingerstickGluNotDone	Num	8	Random fingerstick glucose per clinic meter Not Done

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Participant Site Transfer Form
File Name: TN20_PARTICIPANTSITETRANSFER
Number of Observations: 5
Number of Variables: 7

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Effective date for transfer
Visit	Char	8	Visit
Old_Site_Number	Char	91	Old Primary Site Number
Current_Site_Number	Char	91	Current Site Number
Reason_for_Transfer	Char	100	Reason for Transfer
Other_Specify	Char	2000	If Other, specify

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Protocol Deviation Form
File Name: TN20_PROTOCOLDEVIATION
Number of Observations: 149
Number of Variables: 68

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Date of Visit
Visit	Char	48	Visit
DateProtocolDeviationDay	Num	8	Date protocol deviation occurred Day
DateProtocolDeviationMonth	Char	3	Date protocol deviation occurred Month
DateProtocolDeviationYear	Num	8	Date protocol deviation occurred Year
VisitProtocolDeviationOccurred	Char	29	Visit protocol deviation occurred
ProtocolDeviationReasons	Char	116	Protocol deviation check one
CodeFederalregulations	Char	1	Code of Federal Regulations not followed check one
Randomizationofineligiblesubje	Char	82	Randomization of ineligible subject
Samplescollectedouts_OGTT	Num	8	Samplescollectedouts: OGTT
Samplescollectedouts_HbA1c	Num	8	Samplescollectedouts: HbA1c
Samplescollectedouts_Autoantibod	Num	8	Samplescollectedouts: Autoantibodies
Samplescollectedouts_PBMC	Num	8	Samplescollectedouts: PBMC
Samplescollectedouts_DNA	Num	8	Samplescollectedouts: DNA
Samplescollectedouts_RNA	Num	8	Samplescollectedouts: RNA
Samplescollectedouts_Mechanistic	Num	8	Samplescollectedouts: Mechanistic Serum
Requiredsamplescolle_Glucolacons	Num	8	Requiredsamplescolle: Glucola consumed in longer than 5 minutes
Requiredsamplescolle_ExceededGlu	Num	8	Requiredsamplescolle: Exceeded Glucola volume limit for participant
Requiredsamplescolle_OGTTstarted	Num	8	Requiredsamplescolle: OGTT started after 10AM
Requiredsamplescolle_Incorrectdo	Num	8	Requiredsamplescolle: Incorrect dose of Glucola given to participant
Requiredsamplescolle_Participant	Num	8	Requiredsamplescolle: Participant did not fast prior to OGTT
Requiredsamplescolle_Totalamount	Num	8	Requiredsamplescolle: Total amount of Glucola required to perform OGTT not consumed
Requiredsamplescolle_OGTTperform	Num	8	Requiredsamplescolle: OGTT performed on participant with fasting BG ? 250 mg/dL
Requiredsamplescolle_Otherdescri	Num	8	Requiredsamplescolle: Other (describe details of deviation in section 4)
Samplescollectedando_OGTT	Num	8	Samplescollectedando: OGTT
Samplescollectedando_HbA1c	Num	8	Samplescollectedando: HbA1c
Samplescollectedando_Autoantibod	Num	8	Samplescollectedando: Autoantibodies
Samplescollectedando_PBMC	Num	8	Samplescollectedando: PBMC
Samplescollectedando_DNA	Num	8	Samplescollectedando: DNA

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Protocol Deviation Form
File Name: TN20_PROTOCOLDEVIATION
Number of Observations: 149
Number of Variables: 68

Variable Name	Variable Type	Variable Length	Variable Label
Samplescollectedando_RNA	Num	8	Samplescollectedando: RNA
Samplescollectedando_Mechanistic	Num	8	Samplescollectedando: Mechanistic Serum
Requiredstudyvisitpr_AEsnotasses	Num	8	Requiredstudyvisitpr: AEs not assessed
Requiredstudyvisitpr_Physicalexa	Num	8	Requiredstudyvisitpr: Physical exam not performed
Requiredstudyvisitpr_Vitalsignsn	Num	8	Requiredstudyvisitpr: Vital signs not performed
Requiredstudyvisitpr_Studydrugno	Num	8	Requiredstudyvisitpr: Study drug not dispensed
Requiredstudyvisitpr_Medicalhist	Num	8	Requiredstudyvisitpr: Medical history not reviewed
Requiredstudyvisitpr_Pregnancyte	Num	8	Requiredstudyvisitpr: Pregnancy test not performed
Requiredstudyvisitpr_Studydrugco	Num	8	Requiredstudyvisitpr: Study drug compliance not assessed
Requiredstudyvisitpr_Otherdescri	Num	8	Requiredstudyvisitpr: Other (describe details of deviation in section 4)
Requiredsamplesnotco_OGTT	Num	8	Requiredsamplesnotco: OGTT
Requiredsamplesnotco_HbA1c	Num	8	Requiredsamplesnotco: HbA1c
Requiredsamplesnotco_Autoantibod	Num	8	Requiredsamplesnotco: Autoantibodies
Requiredsamplesnotco_PBMC	Num	8	Requiredsamplesnotco: PBMC
Requiredsamplesnotco_DNA	Num	8	Requiredsamplesnotco: DNA
Requiredsamplesnotco_RNA	Num	8	Requiredsamplesnotco: RNA
Requiredsamplesnotco_Mechanistic	Num	8	Requiredsamplesnotco: Mechanistic Serum
Samplescollectediner_OGTT	Num	8	Samplescollectediner: OGTT
Samplescollectediner_HbA1c	Num	8	Samplescollectediner: HbA1c
Samplescollectediner_Autoantibod	Num	8	Samplescollectediner: Autoantibodies
Samplescollectediner_PBMC	Num	8	Samplescollectediner: PBMC
Samplescollectediner_DNA	Num	8	Samplescollectediner: DNA
Samplescollectediner_RNA	Num	8	Samplescollectediner: RNA
Samplescollectediner_Mechanistic	Num	8	Samplescollectediner: Mechanistic Serum
OtherSpecifydeviation	Char	322	Specify deviation
Sampleslost_OGTT	Num	8	Sampleslost: OGTT
Sampleslost_HbA1c	Num	8	Sampleslost: HbA1c
Sampleslost_Autoantibodies	Num	8	Sampleslost: Autoantibodies
Sampleslost_PBMC	Num	8	Sampleslost: PBMC
Sampleslost_DNA	Num	8	Sampleslost: DNA
Sampleslost_RNA	Num	8	Sampleslost: RNA

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Protocol Deviation Form
File Name: TN20_PROTOCOLDEVIATION
Number of Observations: 149
Number of Variables: 68

Variable Name	Variable Type	Variable Length	Variable Label
Sampleslost_MechanisticSerum	Num	8	Sampleslost: Mechanistic Serum
Studymedicationpharm_Studydrugw1	Num	8	Studymedicationpharm: Study drug was not dispensed at visit when dispensation was required
Studymedicationpharm_Studydrugw2	Num	8	Studymedicationpharm: Study drug was not returned
Studymedicationpharm_Otherdescri	Num	8	Studymedicationpharm: Other (describe details of deviation in section 4)
DescriptionDeviationCircumstan	Char	618	Describe deviation and circumstances
CorrectiveActionTaken	Char	313	Corrective action taken
PINotified	Char	3	Was PI Notified

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Registration Form
File Name: TN20_REGISTRATION
Number of Observations: 114
Number of Variables: 4

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Registration	Num	8	Date of Registration
Visit	Char	12	Inital Visit
Status	Char	20	Status

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Research Labs
File Name: TN20_RESEARCHLABS
Number of Observations: 6752
Number of Variables: 14

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	100	Specimen Collection Form
Spec_Name	Char	250	Specimen Name
SampleMaskID	Char	10	Sample Mask ID#
Test_Name	Char	150	Test Name
Result	Char	1000	Result
Result_Type	Char	6	Result Type
Visit	Char	48	Visit
Date_at_Test_Results_Reported	Num	8	Date at Test Results Reported
Date_at_Evaluation	Num	8	Date at Sample Evaluation
Date_Received	Num	8	Date when Sample Received at Lab
Date_Shipped	Num	8	Date when Sample Shipped
LabID	Num	8	Numeric code to identify testing Lab

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Study Drug Form
File Name: TN20_STUDYDRUG
Number of Observations: 494
Number of Variables: 54

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Date of Visit
Visit	Char	48	Visit
PreDoseGlucose	Num	8	PreDose glucose per clinic meter
PreDoseGlucoseNotDone	Num	8	PreDose glucose per clinic meter Not Done
GivenStudyDrugDoseInClinic	Char	3	Was the participant given their study drug dose in clinic
StudyDrugDose	Num	8	Enter the dose of study drug given
TimeDoseGivenHr	Num	8	Enter the time the dose was given hr
TimeDoseGivenMin	Num	8	Enter the time the dose was given min
SignsOfHypoglycemia	Char	3	Were there any signs or symptoms of hypoglycemia during the observation period
SignsOfHypoglycemiaDescribe	Char	46	Were there any signs or symptoms of hypoglycemia during the observation period Describe Symptoms
GlucoseValue	Num	8	Were there any signs or symptoms of hypoglycemia during the observation period Glucose Value per clinic meter
GlucoseValueNotDone	Num	8	Were there any signs or symptoms of hypoglycemia during the observation period Glucose Value per clinic meter Not Done
OtherProblems	Char	3	Were there any other problems during the observation period
OtherProblemsDescribe	Char	248	Were there any other problems during the observation period Describe problem
StudyDrugReturned	Char	3	Was study drug returned
StudyDrugReturnedDay	Num	8	study drug returned day
StudyDrugReturnedMonth	Char	3	study drug returned month
StudyDrugReturnedYear	Num	8	study drug returned year
CapsulesReturned	Num	8	Number of capsules returned
StudyDrugDispensed	Char	3	Was study drug dispensed
StudyDrugDispensedDay	Num	8	Study drug dispensed day
StudyDrugDispensedMonth	Char	3	Study drug dispensed month
StudyDrugDispensedYear	Num	8	Study drug dispensed year
CapsulesDispensed	Num	8	Number of capsules dispensed
ParticipantReceiveStudyDrug	Char	18	How did the participant receive the study drug
RandomizationNumber	Char	5	Record the Randomization Number used for study drug dispensation
MedicationPackNumber1_1	Char	45	Medication Pack Number
LotNumber1_1	Char	13	Lot Number

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Study Drug Form
_File Name: TN20_STUDYDRUG_
Number of Observations: 494
Number of Variables: 54

Variable Name	Variable Type	Variable Length	Variable Label
ParticipantDateDispensedDay1_1	Num	8	Study drug dispensed to the participant Date Dispensed Day
ParticipantDateDispensedMon1_1	Char	3	Study drug dispensed to the participant Date Dispensed Month
ParticipantDateDispensedYea1_1	Num	8	Study drug dispensed to the participant Date Dispensed Year
MedicationPackNumber2_1	Char	45	Medication Pack Number
LotNumber2_1	Char	13	Lot Number
ParticipantDateDispensedDay2_1	Num	8	Study drug dispensed to the participant Date Dispensed Day
ParticipantDateDispensedMon2_1	Char	3	Study drug dispensed to the participant Date Dispensed Month
ParticipantDateDispensedYea2_1	Num	8	Study drug dispensed to the participant Date Dispensed Year
MedicationPackNumber3_1	Char	45	Medication Pack Number
LotNumber3_1	Char	13	Lot Number
ParticipantDateDispensedDay3_1	Num	8	Study drug dispensed to the participant Date Dispensed Day
ParticipantDateDispensedMon3_1	Char	3	Study drug dispensed to the participant Date Dispensed Month
ParticipantDateDispensedYea3_1	Num	8	Study drug dispensed to the participant Date Dispensed Year
MedicationPackNumber4_1	Char	25	Medication Pack Number
LotNumber4_1	Char	15	Lot Number
ParticipantDateDispensedDay4_1	Num	8	Study drug dispensed to the participant Date Dispensed Day
ParticipantDateDispensedMon4_1	Char	3	Study drug dispensed to the participant Date Dispensed Month
ParticipantDateDispensedYea4_1	Num	8	Study drug dispensed to the participant Date Dispensed Year
MedicationPackNumber5_1	Char	1	Medication Pack Number
LotNumber5_1	Char	1	Lot Number
ParticipantDateDispensedDay5_1	Num	8	Study drug dispensed to the participant Date Dispensed Day
ParticipantDateDispensedMon5_1	Char	1	Study drug dispensed to the participant Date Dispensed Month
ParticipantDateDispensedYea5_1	Num	8	Study drug dispensed to the participant Date Dispensed Year
UnusualCircumstances	Char	3	Were there any unusual circumstances
UnusualCircumstancesDescribe	Char	432	Were there any unusual circumstances If YES Describe

Form: Study Visit Form
File Name: TN20_STUDYVISIT
Number of Observations: 771
Number of Variables: 43

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Date of Visit
Visit	Char	48	Visit
STHavetherebeenanychangesinhea	Char	3	ST Have there been any changes in health since the last scheduled visit
STHavetherebeenanychangesincon	Char	3	STHave there been any changes in concomitant medications since the last scheduled visit
Doestheparticipanthavereproduc	Char	3	Does the participant have reproductive or childbearing potential
Wasaurinepregnancytestcomplete	Char	3	Was a urine pregnancy test completed at this visit
Wasthetestresultpositive	Char	2	Was the test result positive
STIstheparticipantcurrentlytak	Char	3	ST Is the participant currently taking study drug
STWastheparticipantcontactedat	Char	3	ST Was the participant contacted at a minimum of every other week between visits
bloodpressureSystolic	Num	8	blood pressure Systolic
bloodpressureDiastolic	Num	8	blood pressure Diastolic
bloodpressureDiastolicNotDone	Num	8	blood pressure Diastolic Not Done
Weight	Num	8	Weight
WeightNotDone	Num	8	Weight Not Done
Height	Num	8	Height
HeightNotDone	Num	8	Height Not Done
Wasaphysicalexamperformedatthi	Char	3	Was a physical exam performed at this visit
HEENT	Char	12	HEENT
HEENTABNORMAL	Char	150	HEENT ABNORMAL
NeckThyroid	Char	12	NeckThyroid
NeckThyroidAbnormal	Char	218	NeckThyroid abnormal
Heart	Char	12	Heart
HeartAbnormal	Char	14	Heart Abnormal
Lungs	Char	12	Lungs
LungsAbnormal	Char	41	Lungs Abnormal
Pulses	Char	12	Pulses
PulsesAbnormal	Char	1	Pulses Abnormal
Musculoskeletal	Char	12	Musculoskeletal
MusculoskeletalAbnormal	Char	28	Musculoskeletal Abnormal

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Study Visit Form
File Name: TN20_STUDYVISIT
Number of Observations: 771
Number of Variables: 43

Variable Name	Variable Type	Variable Length	Variable Label
Genitalia	Char	12	Genitalia
GenitaliaAbnormal	Char	1	Genitalia Abnormal
Abdomen	Char	12	Abdomen
AbdomenAbnormal	Char	95	Abdomen Abnormal
Lymphatics	Char	12	Lymphatics
LymphaticsAbnormal	Char	1	Lymphatics Abnormal
Skin	Char	12	Skin
SkinAbnormal	Char	111	Skin Abnormal
Neurologic	Char	12	Neurologic
NeurologicAbnormal	Char	61	Neurologic Abnormal
OtherinPhysicalExam1_1	Char	12	Other in Physical Exam
OtherinPhysicalExamAbnormal1_1	Char	90	Other in Physical Exam Abnormal
OtherinPhysicalExamSpecify1_1	Char	47	Other in Physical Exam Specify

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Treatment Start Date Form
File Name: TN20_TREATMENTSTARTDATE
Number of Observations: 92
Number of Variables: 4

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
TreatmentAssignDate	Num	8	Treatment Assign Date
TreatmentStartedDate	Num	8	Treatment Started Date
TreatmentDesc	Char	500	Treatment Description

TrialNet - TN20
Data Dictionary
Current as of March 31, 2021

Form: Treatment Phase Participant Contact Form
File Name: TN20_TREATPHASEPTCONTACT
Number of Observations: 732
Number of Variables: 13

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Visit_Dt	Num	8	Date of Visit
Visit	Char	48	Visit
ContactDateDay	Num	8	Contact Date Day
ContactDateMonth	Char	3	Contact Date Month
ContactDateYear	Num	8	Contact Date Year
MethodofContact	Char	12	Method of Contact
MethodofContactOther	Char	184	Method of Contact Other
Informationgatheredfrom	Char	23	Information gathered from
Havetherebeenanychangesinhealt	Char	3	Have there been any changes in health since the last scheduled visit
Havetherebeenanychangesinconco	Char	3	Have there been any changes in concomitant medication since the last scheduled visit
Istheparticipantcurrentlytakin	Char	3	Is the participant currently taking study drug
howmanydoseshastheparticipantm	Num	8	how many doses has the participant missed since the last study visit

TrialNet - TN20
Data Dictionary
Current as of October 18th, 2019

Form: Autoantibody RBA ECL Affinity Subtyping
File Name: TN20_AB_RBA_ECL_AFF_SUBTYPING
Number of Observations: 403
Number of Variables: 23

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	13	Specimen Collection Form
SampleMaskID	Char	10	Sample Mask ID#
GAD65H	Num	8	Anti-GAD65 autoantibody by NIDDK Harmonized radiobinding assay; positive >20 DK units
IA_2H	Num	8	Anti-IA-2 autoantibody by NIDDK Harmonized radiobinding assay; positive >5 DK units
ZnT8	Num	8	Zinc transporter autoantibody by radiobinding assay; positive >0.020 (index)
mIAA	Num	8	Micro Insulin autoantibody by radiobinding assay; positive >0.010 (index)
ECL_IAA	Num	8	Insulin autoantibody by electrochemiluminescence (ECL); positive >0.006 (index)
ECL_GADA	Num	8	Anti-GAD65 autoantibody by electrochemiluminescence (ECL); positive >0.023 (index)
IgA_IAA	Num	8	Insulin autoantibody IgA; positive >3.0 (SD score)
IgM_IAA	Num	8	Insulin autoantibody IgM; positive >3.0 (SD score)
IAA_affinity	Char	17	Insulin autoantibody affinity (coefficient)
IAA_capacity	Char	21	Insulin autoantibody capacity (U/L)
G1	Num	8	% IgG-IAA subclass 1 in total IgG-IAA
G2	Num	8	% IgG-IAA subclass 2 in total IgG-IAA
G3	Num	8	% IgG-IAA subclass 3 in total IgG-IAA
G4	Num	8	% IgG-IAA subclass 4 in total IgG-IAA
IgGTotal	Num	8	Total IgG-IAA
IgG1	Num	8	% GADA-IgG subclass 1 in total IgG-GADA
IgG2	Num	8	% GADA-IgG subclass 2 in total IgG-GADA
IgG3	Num	8	% GADA-IgG subclass 3 in total IgG-GADA
IgG4	Num	8	% GADA-IgG subclass 4 in total IgG-GADA

TrialNet - TN20
Data Dictionary
Current as of May 25th, 2017

Form: Class II Tetramer
File Name: TN20_CLASS_II_TETRAMER
Number of Observations: 92
Number of Variables: 28

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Test_HLA	Char	9	Test HLA
Sample_Viability	Num	8	Sample Viability
Sample_Recovery	Num	8	Sample Recovery
Number_of_viable_CD4pTCells	Num	8	Calculated Total Number of viable CD4+ T cells
Number_Influenza_specific_cells	Num	8	Number of influenza specific cells
Freq_Influenza_specific_cells	Num	8	Frequency of influenza specific cells
Number_Insulin_specific_cells	Num	8	Number of Insulin specific cells
Freq_Insulin_specific_cells	Num	8	Frequency of Insulin specific cells
Number_Other_beta_cell_specific	Num	8	Number of other beta cell specific cells
Freq_Other_beta_cell_specific	Num	8	Frequency of other beta cell specific cells
Influenza_percent_RAp	Num	8	Influenza percent RA+
Influenza_percent_CCR7p	Num	8	Influenza percent CCR7+
Influenza_percent_CXCR3p	Num	8	Influenza percent CXCR3+
Influenza_percent_CCR4p	Num	8	Influenza percent CCR4+
Influenza_percent_RAn_CD38p	Num	8	Influenza percent RA- CD38+
Insulin_percent_RAp	Num	8	Insulin percent RA+
Insulin_percent_CCR7p	Num	8	Insulin percent CCR7+
Insulin_percent_CXCR3p	Num	8	Insulin percent CXCR3+
Insulin_percent_CCR4p	Num	8	Insulin percent CCR4+
Insulin_percent_RAn_CD38p	Num	8	Insulin percent RA- CD38+
beta_cell_percent_RAp	Num	8	beta cell percent RA+
beta_cell_percent_CCR7p	Num	8	beta cell percent CCR7+
beta_cell_percent_CXCR3p	Num	8	beta cell percent CXCR3+
beta_cell_percent_CCR4p	Num	8	beta cell percent CCR4+
beta_cell_percent_RAn_CD38p	Num	8	beta cell percent RA- CD38+

For staining of Class II DRB1*0401 tetramer, these Abs were included: CXCR3 FITC, CD4 PercpCY5.5, CD14/19 Live/Dead BV510, CD38 BV650, CCR4 APC, CD45RA AF700, CCR7 APCCY7, Flu MP p54 BV421, Ins: p127 1377 PE, IGRP: p103, GAD65: p70 P266-286 PECF594. For staining of Class II DRB1*0404 tetramer, these Abs were included: CXCR3 FITC, CD4 PercpCY5.5, CD14/19 Live/Dead BV510, CD38 BV650, CCR4 APC, CD45RA AF700, CCR7 APCCY7, Flu MP p54 BV421, Ins: p127, 1377 PE, IGRP: p101 and p114, GAD65: p70, P266-286 PECF594.

TrialNet - TN20
Data Dictionary
Current as of May 30th, 2017

Form: CyTOF CD8 Tmr Statistics
File Name: TN20_CYTOF_CD8_TMR_STATISTICS
Number of Observations: 89
Number of Variables: 16

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Barcode	Char	9	Barcode
CyTOF_Date	Char	8	CyTOF Date
Flow_Date	Char	8	Flow Date
Total_Count	Num	8	Total Count
CD45p_Count	Num	8	CD45+ Count
TCells_Count	Num	8	T Cells Count
CD8_TCell_Count	Num	8	CD8 T Cell Count
InsB_PPI_Freq_Parent	Num	8	InsB PPI Frequency of Parent
InsB_PPI_Count	Num	8	InsB PPI Count
GAD_IGRP_IAPP_Freq_Parent	Num	8	GAD IGRP IAPP Frequency of Parent
GAD_IGRP_IAPP_Count	Num	8	GAD IGRP IAPP Count
Virus_Freq_Parent	Num	8	Virus Frequency of Parent
Virus_Count	Num	8	Virus Count

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A1
File Name: TN20_FREQPHEN_HLA_A1
Number of Observations: 3
Number of Variables: 21

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Date_Run	Num	8	Date Run
CD8_VIA_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
A1_Flu_CMV_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV, Count
A1_Flu_CMV_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV, Freq. of Parent
A1_Ins_32_40_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Count
A1FluCMV_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, CD45RA-, CXCR3+, Freq. of Parent
A1FluCMV_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, CD95+, Freq. of Parent
A1FluCMV_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, Q1: CD45RA- , CCR7+, Freq. of Parent
A1FluCMV_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, Q2: CD45RA+ , CCR7+, Freq. of Parent
A1FluCMV_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, Q3: CD45RA+ , CCR7-, Freq. of Parent
A1FluCMV_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, Q4: CD45RA- , CCR7-, Freq. of Parent
A1_Ins_32_40_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Freq. of Parent
A1Ins3240_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD45RA-, CXCR3+, Freq. of Parent
A1Ins3240_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD95+, Freq. of Parent
A1Ins3240_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q1: CD45RA- , CCR7+, Freq. of Parent
A1Ins3240_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q2: CD45RA+ , CCR7+, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A1
File Name: TN20_FREQPHEN_HLA_A1
Number of Observations: 3
Number of Variables: 21

Variable Name	Variable Type	Variable Length	Variable Label
A1Ins3240_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q3: CD45RA+ , CCR7-, Freq. of Parent
A1Ins3240_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q4: CD45RA- , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A1 A3
File Name: TN20_FREQPHEN_HLA_A1_A3
Number of Observations: 6
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Date_Run	Num	8	Date Run
CD8_VIA_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
A1_Flu_CMV_A3_EBV_CMV_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV A3 EBV CMV, Count
A1_Flu_CMV_A3_EBV_CMV_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV A3 EBV CMV, Freq. of Parent
A1_Ins_32_40_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Count
A1_Ins_32_40_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Freq. of Parent
A3_PPI_38_46_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Count
A3_PPI_38_46_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Freq. of Parent
A3_PPI_79_88_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Count
A3_PPI_79_88_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Freq. of Parent
A1FluCMVA3EBVCMV_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, CD45RA-, CXCR3+, Freq. of Parent
A1FluCMVA3EBVCMV_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, CD95+, Freq. of Parent
A1FluCMVA3EBVCMV_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, Q1: CD45RA- , CCR7+, Freq. of Parent
A1FluCMVA3EBVCMV_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, Q2: CD45RA+ , CCR7+, Freq. of Parent
A1FluCMVA3EBVCMV_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, Q3: CD45RA+ , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A1 A3
File Name: TN20_FREQPHEN_HLA_A1_A3
Number of Observations: 6
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
A1FluCMVA3EBVCMV_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, Q4: CD45RA- , CCR7-, Freq. of Parent
A1Ins3240_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD45RA-, CXCR3+, Freq. of Parent
A1Ins3240_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD95+, Freq. of Parent
A1Ins3240_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q1: CD45RA- , CCR7+, Freq. of Parent
A1Ins3240_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q2: CD45RA+ , CCR7+, Freq. of Parent
A1Ins3240_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q3: CD45RA+ , CCR7-, Freq. of Parent
A1Ins3240_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI3846_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD45RA-, CXCR3+, Freq. of Parent
A3PPI3846_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD95+, Freq. of Parent
A3PPI3846_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI3846_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3PPI3846_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI3846_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI7988_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent
A3PPI7988_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
A3PPI7988_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI7988_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A1 A3
File Name: TN20_FREQPHEN_HLA_A1_A3
Number of Observations: 6
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
A3PPI7988_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI7988_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of

Form: Frequency and Phenotyping HLA A1 B7
File Name: TN20_FREQPHEN_HLA_A1_B7
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Date_Run	Num	8	Date Run
CD8_VIA_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
A1FluCMV_B7CMV_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV B7 CMV, Count
A1FluCMV_B7CMV_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV B7 CMV, Freq. of Parent
A1Ins32_40_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Count
A1Ins32_40_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Freq. of Parent
B7_PPI8_16_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 8-16, Count
B7_PPI8_16_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 8-16, Freq. of Parent
B7_PPI_4_13_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 4-13, Count
B7_PPI_4_13_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 4-13, Freq. of Parent
A1FluCMVB7CMV_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, CD45RA-, CXCR3+, Freq. of Parent
A1FluCMVB7CMV_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, CD95+, Freq. of Parent
A1FluCMVB7CMV_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, Q1: CD45RA- , CCR7+, Freq. of Parent
A1FluCMVB7CMV_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, Q2: CD45RA+ , CCR7+, Freq. of Parent
A1FluCMVB7CMV_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, Q3: CD45RA+ , CCR7-, Freq. of Parent
A1FluCMVB7CMV_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, Q4: CD45RA- , CCR7-, Freq. of Parent
A1Ins3240_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD45RA-, CXCR3+, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of

Form: Frequency and Phenotyping HLA A1 B7
File Name: TN20_FREQPHEN_HLA_A1_B7
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
A1Ins32_40CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD95+, Freq. of Parent
A1Ins3240_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q1: CD45RA- , CCR7+, Freq. of Parent
A1Ins3240_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q2: CD45RA+ , CCR7+, Freq. of Parent
A1Ins3240_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q3: CD45RA+ , CCR7-, Freq. of Parent
A1Ins3240_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q4: CD45RA- , CCR7-, Freq. of Parent
B7PPI816_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, CD45RA-, CXCR3+, Freq. of Parent
B7PPI816_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, CD95+, Freq. of Parent
B7PPI816_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, Q1: CD45RA- , CCR7+, Freq. of Parent
B7PPI816_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, Q2: CD45RA+ , CCR7+, Freq. of Parent
B7PPI816_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, Q3: CD45RA+ , CCR7-, Freq. of Parent
B7PPI816_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, Q4: CD45RA- , CCR7-, Freq. of Parent
B7PPI413_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, CD45RA-, CXCR3+, Freq. of Parent
B7PPI413_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, CD95+, Freq. of Parent
B7PPI413_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, Q1: CD45RA- , CCR7+, Freq. of Parent
B7PPI413_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, Q2: CD45RA+ , CCR7+, Freq. of Parent
B7PPI413_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, Q3: CD45RA+ , CCR7-, Freq. of Parent
B7PPI413_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, Q4: CD45RA- , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A2
File Name: TN20_FREQPHEN_HLA_A2
Number of Observations: 89
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Date_Run	Num	8	Date Run
CD8_VIA_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
Flu_EBV_CMVp_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, Flu EBV CMV+, Count
Flu_EBV_CMVp_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, Flu EBV CMV+, Freq. of Parent
InsBp_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, InsB+, Count
InsBp_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, InsB+, Freq. of Parent
PPIp_CD8_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, PPI+ CD8, Count
PPIp_CD8_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, PPI+ CD8, Freq. of Parent
IGRPp_IAPPp_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, IGRP+ IAPP+, Count
IGRPp_IAPPp_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, IGRP+ IAPP+, Freq. of Parent
Flu_EBV_CMVp_CD45RAn_CXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, CD45RA-, CXCR3+, Freq. of Parent
Flu_EBV_CMVp_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, CD95+, Freq. of Parent
Flu_EBV_CMVp_Q1_CD45RAn_CCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, Q1: CD45RA- , CCR7+, Freq. of Parent
Flu_EBV_CMVp_Q2_CD45RAp_CCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, Q2: CD45RA+ , CCR7+, Freq. of Parent
Flu_EBV_CMVp_Q3_CD45RAp_CCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, Q3: CD45RA+ , CCR7-, Freq. of Parent
Flu_EBV_CMVp_Q4_CD45RAn_CCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, Q4: CD45RA- , CCR7-, Freq. of Parent
IGRPp_IAPPp_CD45RAn_CXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, CD45RA-, CXCR3+, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A2
File Name: TN20_FREQPHEN_HLA_A2
Number of Observations: 89
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
IGRPp_IAPPp_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, CD95+, Freq. of Parent
IGRPp_IAPPP_Q1_CD45RAn_CCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, Q1: CD45RA- , CCR7+, Freq. of Parent
IGRPp_IAPPp_Q2_CD45RAp_CCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, Q2: CD45RA+ , CCR7+, Freq. of Parent
IGRPp_IAPPp_Q3_CD45RAp_CCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, Q3: CD45RA+ , CCR7-, Freq. of Parent
IGRPp_IAPPp_Q4_CD45RAn_CCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, Q4: CD45RA- , CCR7-, Freq. of Parent
InsBp_CD45RAn_CXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, CD45RA-, CXCR3+, Freq. of Parent
InsBp_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, CD95+, Freq. of Parent
InsBp_Q1_CD45RAn_CCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, Q1: CD45RA- , CCR7+, Freq. of Parent
InsBp_Q2_CD45RAp_CCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, Q2: CD45RA+ , CCR7+, Freq. of Parent
InsBp_Q3_CD45RAp_CCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, Q3: CD45RA+ , CCR7-, Freq. of Parent
InsBp_Q4_CD45RAn_CCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, Q4: CD45RA- , CCR7-, Freq. of Parent
PPIp_CD8_CD45RAn_CXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, CD45RA-, CXCR3+, Freq. of Parent
PPI_CD8_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, CD95+, Freq. of Parent
PPIp_CD8_Q4_CD45RAn_CCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, Q4: CD45RA- , CCR7-, Freq. of Parent
PPIp_CD8_Q3_CD45RAp_CCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, Q3: CD45RA+ , CCR7-, Freq. of Parent
PPIp_CD8_Q2_CD45RAp_CCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, Q2: CD45RA+ , CCR7+, Freq. of Parent
PPIp_CD8_Q1_CD45RAn_CCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, Q1: CD45RA- , CCR7+, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A24
File Name: TN20_FREQPHEN_HLA_A24
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Date_Run	Num	8	Date Run
CD8_VIA_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
A24_CMV_EBV_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 CMV EBV, Count
A24_CMV_EBV_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 CMV EBV, Freq. of Parent
A24_PPI_614_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 PPI 6-14, Count
A24_PPI_614_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 PPI 6-14, Freq. of Parent
A24CMVEBV_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, CD45RA-, CXCR3+, Freq. of Parent
A24CMVEBV_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, CD95+, Freq. of Parent
A24CMVEBV_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, Q1: CD45RA- , CCR7+, Freq. of Parent
A24CMVEBV_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, Q2: CD45RA+ , CCR7+, Freq. of Parent
A24CMVEBV_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, Q3: CD45RA+ , CCR7-, Freq. of Parent
A24CMVEBV_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, Q4: CD45RA- , CCR7-, Freq. of Parent
A24PPI614_CD45RAnCXCR3p_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD45RA-, CXCR3+, Freq. of Parent
A24PPI614_CD95p_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD95+, Freq. of Parent
A24PPI614_Q1CD45RAnCCR7p_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q1: CD45RA- , CCR7+, Freq. of Parent
A24PPI614_Q2CD45RApCCR7p_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q2: CD45RA+ , CCR7+, Freq. of Parent
A24PPI614_Q3CD45RApCCR7n_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q3: CD45RA+ , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A24
File Name: TN20_FREQPHEN_HLA_A24
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
A24PPI614_Q4CD45RAnCCR7n_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI3846_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI3846_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3PPI3846_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI3846_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI7988_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent
A3PPI7988_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
A3PPI7988_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI7988_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3PPI7988_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI7988_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent
A24PPI614_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD45RA-, CXCR3+, Freq. of Parent
A24PPI614_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD95+, Freq. of Parent
A24PPI614_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q1: CD45RA- , CCR7+, Freq. of Parent
A24PPI614_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q2: CD45RA+ , CCR7+, Freq. of Parent
A24PPI614_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q3: CD45RA+ , CCR7-, Freq. of Parent
A24PPI614_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q4: CD45RA- , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A2 A3
File Name: TN20_FREQPHEN_HLA_A2_A3
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Date_Run	Num	8	Date Run
CD8_VIA_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
A3_CMV_EBV_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 CMV EBV, Freq. of Parent
A3_PPI_38_46_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Count
A3_PPI_38_46_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Freq. of Parent
A3_PPI_79_88_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Count
A3_PPI_79_88_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Freq. of Parent
A3CMVEBV_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, CD45RA-, CXCR3+, Freq. of Parent
A3CMVEBV_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, CD95+, Freq. of Parent
A3CMVEBV_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, Q1: CD45RA- , CCR7+, Freq. of Parent
A3CMVEBV_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3CMVEBV_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3CMVEBV_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI3846_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD45RA-, CXCR3+, Freq. of Parent
A3PPI3846_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD95+, Freq. of Parent
A3PPI3846_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI3846_Q2CD45RApCCR7p_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+ , CCR7+, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A2 A3
File Name: TN20_FREQPHEN_HLA_A2_A3
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
A3PPI3846_Q3CD45RApCCR7n_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI3846_Q4CD45RAnCCR7n_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI7988_CD45RAnCXCR3p_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent
A3PPI7988_CD95p_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
A3PPI7988_Q1CD45RAnCCR7p_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI7988_Q2CD45RApCCR7p_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3PPI7988_Q3CD45RApCCR7n_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI7988_Q4CD45RAnCCR7n_1	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI3846_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3PPI3846_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI3846_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI7988_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent
A3PPI7988_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
A3PPI7988_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI7988_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3PPI7988_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI7988_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018
Form: Frequency and Phenotyping HLA A3 A24
File Name: TN20_FREQPHEN_HLA_A3_A24
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Date_Run	Num	8	Date Run
CD8_VIA_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
A3CMVEBV_A24CMVEBV_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 CMV EBV A24 CMV EBV, Count
A3CMVEBV_A24CMVEBV_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 CMV EBV A24 CMV EBV, Freq. of Parent
A3PPI_3846_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Count
A3PPI_3846_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Freq. of Parent
A3PPI_7988_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Count
A3PPI_7988_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Freq. of Parent
A24PPI_614_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 PPI 6-14, Count
A24PPI_614_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 PPI 6-14, Freq. of Parent
A3CMVEBVA24_CMVEBVCD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, CD45RA-, CXCR3+, Freq. of Parent
A3CMVEBVA24_CMVEBVCD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, CD95+, Freq. of Parent
A3CMVEBVA24_CMVEBVQ1CD45RACCR7	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, Q1: CD45RA- , CCR7+, Freq. of Parent
A3CMVEBVA24_CMVEBVQ2CD45RACCR7	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3CMVEBVA24_CMVEBVQ3CD45RACCR7	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, Q3: CD45RA+ , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A3 A24
File Name: TN20_FREQPHEN_HLA_A3_A24
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
A3CMVEBVA24_CMVEBVQ4CD45RACCR7	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, Q4: CD45RA- , CCR7- , Freq. of Parent
A3PPI3846_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD45RA-, CXCR3+, Freq. of Parent
A3PPI3846_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD95+, Freq. of Parent
A3PPI3846_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI3846_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3PPI3846_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI3846_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI7988_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent
A3PPI7988_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
A3PPI7988_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI7988_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3PPI7988_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI7988_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent
A24PPI614_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD45RA-, CXCR3+, Freq. of Parent
A24PPI614_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD95+, Freq. of Parent
A24PPI614_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q1: CD45RA- , CCR7+, Freq. of Parent
A24PPI614_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q2: CD45RA+ , CCR7+, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A3 A24
File Name: TN20_FREQPHEN_HLA_A3_A24
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
A24PPI614_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q3: CD45RA+ , CCR7-, Freq. of Parent
A24PPI614_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q4: CD45RA- , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A3 B7
File Name: TN20_FREQPHEN_HLA_A3_B7
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Date_Run	Num	8	Date Run
CD8_VIA_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
A3CMVEBV_B7CMV_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 CMV EBV B7 CMV, Count
A3CMVEBV_B7CMV_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 CMV EBV B7 CMV, Freq. of Parent
A3PPI_3846_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Count
A3PPI_3846_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Freq. of Parent
A3PPI_7988_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Count
A3PPI_7988_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Freq. of Parent
B7PPI413_PP816_Count	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 4-13 PPI 8-16, Count
B7PPI413_PPI816_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 4-13 PPI 8-16, Freq. of Parent
A3CMVEBVB7CMV_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, CD45RA-, CXCR3+, Freq. of Parent
A3CMVEBV_B7CMVCD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, CD95+, Freq. of Parent
A3CMVEBVB7CMV_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, Q1: CD45RA- , CCR7+, Freq. of Parent
A3CMVEBVB7CMV_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3CMVEBVB7CMV_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3CMVEBVB7CMV_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI3846_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD45RA-, CXCR3+, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping HLA A3 B7
File Name: TN20_FREQPHEN_HLA_A3_B7
Number of Observations: 3
Number of Variables: 37

Variable Name	Variable Type	Variable Length	Variable Label
A3PPI3846_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD95+, Freq. of Parent
A3PPI3846_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI3846_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3PPI3846_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI3846_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA- , CCR7-, Freq. of Parent
A3PPI7988_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent
A3PPI7988_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
A3PPI7988_Q1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
A3PPI788_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent
A3PPI7988_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
A3PPI7988_Q4CD45RACCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent
B7PPI413PPI816_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, CD45RA-, CXCR3+, Freq. of Parent
B7PPI413PPI8_16CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, CD95+, Freq. of Parent
B7PPI413PPI816_Q1CD45RACCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, Q1: CD45RA- , CCR7+, Freq. of Parent
B7PPI413PPI816_Q2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, Q2: CD45RA+ , CCR7+, Freq. of Parent
B7PPI413PPI816_Q3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, Q3: CD45RA+ , CCR7-, Freq. of Parent
B7PPI413PPI816_Q4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, Q4: CD45RA- , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping InsB PPI IGRP IAPP
File Name: TN20_FREQPHEN_INSBPPIIGRPIAPP
Number of Observations: 9
Number of Variables: 29

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
Date_Run	Num	8	Date Run
CD8_VIA	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
A1_Flu_CMV_B8_EBV_CMV	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV B8 EBV CMV, Count
A1_Flu_CMV_B8_EBV_CMV_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV B8 EBV CMV, Freq. of Parent
A1_Ins_32_40	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Count
A1_Ins_32_40_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Freq. of Parent
B8_PPI_2_10	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B8 PPI 2-10, Count
B8_PPI_2_10_Freq	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B8 PPI 2-10, Freq. of Parent
A1FluCMVB8EBVCMV_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, CD45RA-, CXCR3+, Freq. of Parent
A1FluCMVB8EBVCMV_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, CD95+, Freq. of Parent
A1FluCMVB8EBV_CMVQ1CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, Q1: CD45RA- , CCR7+, Freq. of Parent
A1FluCMVB8EBV_CMVQ2CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, Q2: CD45RA+ , CCR7+, Freq. of Parent
A1FluCMVB8EBV_CMVQ3CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, Q3: CD45RA+ , CCR7-, Freq. of Parent
A1FluCMVB8EBV_CMVQ4CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, Q4: CD45RA- , CCR7-, Freq. of Parent
A1Ins3240_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD45RA-, CXCR3+, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of May 27th, 2018

Form: Frequency and Phenotyping InsB PPI IGRP IAPP
File Name: TN20_FREQPHEN_INSBPPIIGRPIAPP
Number of Observations: 9
Number of Variables: 29

Variable Name	Variable Type	Variable Length	Variable Label
A1Ins3240_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD95+, Freq. of Parent
A1Ins3240Q1_CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q1: CD45RA- , CCR7+, Freq. of Parent
A1Ins3240Q2_CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q2: CD45RA+ , CCR7+, Freq. of Parent
A1Ins3240Q3_CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q3: CD45RA+ , CCR7-, Freq. of Parent
A1Ins3240Q4_CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q4: CD45RA- , CCR7-, Freq. of Parent
B8PPI210_CD45RAnCXCR3p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, CD45RA-, CXCR3+, Freq. of Parent
B8PPI210_CD95p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, CD95+, Freq. of Parent
B8PPI210Q1_CD45RAnCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, Q1: CD45RA- , CCR7+, Freq. of Parent
B8PPI210Q2_CD45RApCCR7p	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, Q2: CD45RA+ , CCR7+, Freq. of Parent
B8PPI210Q3_CD45RApCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, Q3: CD45RA+ , CCR7-, Freq. of Parent
B8PPI210Q4_CD45RAnCCR7n	Num	8	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, Q4: CD45RA- , CCR7-, Freq. of Parent

TrialNet - TN20
Data Dictionary
Current as of August 22nd, 2019

Form: HBsAb
File Name: TN20_HBSAB
Number of Observations: 399
Number of Variables: 6

Variable Name	Variable Type	Variable Length	Variable Label
MaskID	Num	8	Participant Mask ID#
Date_of_Draw	Num	8	Date of Draw
Event_Title	Char	11	Specimen Collection Form
SampleMaskID	Char	10	Sample Mask ID#
HBsAb	Char	21	Hepatitis B surface antibody result (mIU/mL)
plateID	Num	8	Plate ID