

Abacus Domain Model Data Dictionary Version 21.1.0

Table of Contents

Table of Contents		2
Data Dictionary		17
Schemas		17
Top-Level Domains		26
Address		29
	Address ERD	30
Adjustment		40
	Adjustment ERD	40
AdministrationGuid	eline	47
	AdministrationGuideline ERD	48
Admittance		54
	Admittance ERD	54
AdmittingPrivilege		68
	AdmittingPrivilege ERD	69
Allergy		76
	Allergy ERD	77
AllergyStub		92
	AllergyStub ERD	93
Application		103
	Application ERD	103
AppliedBenefit		110
	AppliedBenefit ERD	111
Appointment		125

TABLE OF CONTENTS

2

	Appointment ERD	126
Assessment		145
	Assessment ERD	146
AssessmentStub		168
	AssessmentStub ERD	169
AssessmentSumm	ary	178
	AssessmentSummary ERD	178
AssociatedIdentifie	er	184
	AssociatedIdentifier ERD	184
AssociatedPerson		190
	AssociatedPerson ERD	191
Attribution		202
	Attribution ERD	202
Availability		208
	Availability ERD	208
BaseDemographic		214
	BaseDemographic ERD	215
BenefitIncentiveSeg	gment	223
	BenefitIncentiveSegment ERD	224
Birth		235
	Birth ERD	235
Case		241
	Case ERD	242
CaseStub		266

	CaseStub ERD	267
ChargeAmount		282
	ChargeAmount ERD	283
Claim		292
	Claim ERD	293
ClaimAmount		331
	ClaimAmount ERD	332
ClaimItem		340
	ClaimItem ERD	341
ClaimItemDetail		360
	ClaimItemDetail ERD	361
ClaimPayment		369
	ClaimPayment ERD	369
ClinicalValue		387
	ClinicalValue ERD	387
CodedValue		394
	CodedValue ERD	394
Communication		401
	Communication ERD	402
Complication		417
	Complication ERD	417
Condition		423
	Condition ERD	424
ConditionStub		441

	ConditionStub ERD	441
Consent		452
	Consent ERD	452
Consumer		459
	Consumer ERD	460
ConsumerBehavior .		476
	ConsumerBehavior ERD	477
ConsumerMastered		492
	ConsumerMastered ERD	493
ConsumerStub		512
	ConsumerStub ERD	513
Contact		523
	Contact ERD	523
Contract		530
	Contract ERD	531
Cost		543
	Cost ERD	544
Credentialing		550
	Credentialing ERD	550
CustomDateTime		556
	CustomDateTime ERD	556
CustomIndicator		562
	CustomIndicator ERD	562
Daggard		E60

	Deceased ERD	. 568
DentalToothChart		.575
	DentalToothChart ERD	575
Device		582
	Device ERD	583
DeviceName		604
	DeviceName ERD	605
DeviceProperty		. 611
	DeviceProperty ERD	. 612
DeviceSpecialization	1	618
	DeviceSpecialization ERD	. 619
DeviceUdiCarrier		.625
	DeviceUdiCarrier ERD	626
DeviceVersion		633
	DeviceVersion ERD	. 634
Diagnosis		640
	Diagnosis ERD	. 640
DispositionMessage		.650
	DispositionMessage ERD	650
Document		. 656
	Document ERD	.657
DrugTier		. 668
	DrugTier ERD	. 669
DrugUtilizationRevie	w	.677

	DrugUtilizationReview ERD	678
Education		692
	Education ERD	692
Email		700
	Email ERD	700
EmployerGroup		706
	EmployerGroup ERD	707
EmployerGroupMast	ered	728
	EmployerGroupMastered ERD	729
EmployerGroupStub		749
	EmployerGroupStub ERD	750
Encounter		766
	Encounter ERD	767
EncounterClassifica	tion	795
	EncounterClassification ERD	795
EncounterFinancial .		801
	EncounterFinancial ERD	801
Enrollment		809
	Enrollment ERD	810
EntityRelationship		836
	EntityRelationship ERD	836
FinancialRiskBearer		842
	FinancialRiskBearer ERD	842
FocalDevice		848

	FocalDevice ERD	848
FormularyCoverage	Network	854
	FormularyCoverageNetwork ERD	854
FormularyCoverage	Plan	860
	FormularyCoveragePlan ERD	861
FormularyDrug		872
	FormularyDrug ERD	873
FormularyDrugAlter	native	892
	FormularyDrugAlternative ERD	893
Grievance		899
	Grievance ERD	900
HealthCoverageAdr	ministration	920
	HealthCoverageAdministration ERD	920
HomeHost		926
	HomeHost ERD	926
IDLookup		934
	IDLookup ERD	934
Identifier		936
	Identifier ERD	936
Immunization		944
	Immunization ERD	945
ImmunizationStub .		960
	ImmunizationStub ERD	961
Ingestion		970

	Ingestion ERD	970
Ingredient		973
	Ingredient ERD	973
Inpatient		979
	Inpatient ERD	980
InpatientExtension .		994
	InpatientExtension ERD	995
Institutional		1015
	Institutional ERD	1015
InsurancePlan		1030
	InsurancePlan ERD	1030
InsurancePolicy		1038
	InsurancePolicy ERD	1038
Interpretation		1052
	Interpretation ERD	1052
Language		1058
	Language ERD	1058
License		1064
	License ERD	1064
MDMCrossReferenc	e	1070
	MDMCrossReference ERD	1070
MDMRelationship		1076
	MDMRelationship ERD	1076
MedicationKinetics		1083

	MedicationKinetics ERD	1083
MedicationKnowledge	ge	1089
	MedicationKnowledge ERD	1090
MedicationPackagin	g	1106
	MedicationPackaging ERD	1107
MedicationRequest		1114
	MedicationRequest ERD	1115
Member		1142
	Member ERD	1143
MemberMastered		1180
	MemberMastered ERD	1181
MemberProviderRela	ationship	1216
	MemberProviderRelationship ERD	1217
MemberStub		1229
	MemberStub ERD	1230
MessagePayload		1249
	MessagePayload ERD	1249
Network		1255
	Network ERD	1256
Note		1266
	Note ERD	1267
Observation		1276
	Observation ERD	1277
ObservationStub		1304

	ObservationStub ERD	1305
ObservationValue .		1319
	ObservationValue ERD	1319
OfferedService		1326
	OfferedService ERD	1326
Order		1333
	Order ERD	1334
OrderNumber		1359
	OrderNumber ERD	1360
OrderStub		1366
	OrderStub ERD	1367
OrgName		1375
	OrgName ERD	1375
PanelRelationship .		1382
	PanelRelationship ERD	1383
Patient		1391
	Patient ERD	1392
PatientMastered		1408
	PatientMastered ERD	1409
PatientStub		1428
	PatientStub ERD	1429
Payee		1440
	Payee ERD	1441
Dovor		1.455

	Payer ERD	1455
Person		1462
	Person ERD	1463
PersonName		1479
	PersonName ERD	1479
Phone		1486
	Phone ERD	1486
PotentialMedication	Issue	1495
	${\bf Potential Medication Issue\ ERD\ .}$	1495
PracticeGroup		1501
	PracticeGroup ERD	1501
PriorAuthorization		1507
	PriorAuthorization ERD	1507
PrivacyPreference		1514
	PrivacyPreference ERD	1514
Procedure		1521
	Procedure ERD	1522
ProcedureReference		1539
	ProcedureReference ERD	1540
ProcedureStub		1548
	ProcedureStub ERD	1549
Product		1557
	Product ERD	1558
ProductStub		1571

	ProductStub ERD	1571
ProviderFacilityRela	tionship	1580
	ProviderFacilityRelationship ERD	1581
ProviderInsuranceC	overage	1601
	ProviderInsuranceCoverage ERD	1601
ProviderServiceOrgF	Relationship	1608
	ProviderServiceOrgRelationship ERD	1609
Qualification		1624
	Qualification ERD	1624
QualifiedEvent		1633
	QualifiedEvent ERD	1634
QuantityTiming		1644
	QuantityTiming ERD	1644
Reaction		1650
	Reaction ERD	1650
Recipient		1656
	Recipient ERD	1656
Referenceldentifier		1661
	ReferenceIdentifier ERD	1661
ReferenceRange		1667
	ReferenceRange ERD	1667
Referral		1674
	Referral ERD	1675
RafarralStuh		1607

	ReferralStub ERD	1698
Regulatory		1710
	Regulatory ERD	1711
RelatedEntity		1719
	RelatedEntity ERD	1719
RelatedTransaction		1725
	RelatedTransaction ERD	1725
Result		1731
	Result ERD	1732
ResultInterpreter		1746
	ResultInterpreter ERD	1746
Review		1754
	Review ERD	1755
Sanction		1763
	Sanction ERD	1764
ServiceApproved		1785
	ServiceApproved ERD	1786
ServiceFacility		1806
	ServiceFacility ERD	1807
ServiceFacilityMast	ered	1822
	ServiceFacilityMastered ERD	1823
ServiceFacilityStub		1838
	ServiceFacilityStub ERD	1839
ServiceOrgFacilityRe	alationshin	1851

	ServiceOrgFacilityRelationship ERD	1852
ServiceOrganization		1867
	ServiceOrganization ERD	1868
ServiceOrganization	Mastered	1897
	ServiceOrganizationMastered ERD	1898
ServiceOrganization	Stub	1927
	ServiceOrganizationStub ERD	1928
ServiceProvider		1947
	ServiceProvider ERD	1948
ServiceProviderMas	tered	1972
	ServiceProviderMastered ERD	1973
ServiceProviderRole		1997
	ServiceProviderRole ERD	1998
ServiceProviderStub)	2006
	ServiceProviderStub ERD	2007
ServiceRequested		2033
	ServiceRequested ERD	2034
SocialProfile		2047
	SocialProfile ERD	2047
Specimen		2053
	Specimen ERD	2053
Substitution		2059
	Substitution ERD	2060
UtilizationManagem	entEvent	2066

	UtilizationManagementEvent ERD	2067
VaccinationProtocol		2090
	VaccinationProtocol ERD	.2090
Vision		2101
	Vision ERD	2101

Data Dictionary

This document lists all domains in the Abacus Domain Model version 21.1.0. All domain entries include entity relationship diagrams (ERDs).

The Abacus Domain Model is organized into schemas, which group related domains.

Schemas

The current schemas are:

- "ClinicalEvent" below
- "ConsumerEvent" on page 20
- "InsuranceEvent" on page 20
- "Organization" on page 21
- "Person" on page 22
- "Shared" on page 23

ClinicalEvent

- "AdministrationGuideline" on page 47
- "Admittance" on page 54
- "Allergy" on page 76
- "AllergyStub" on page 92
- "Appointment" on page 125

- "AssessmentSummary" on page 178
- "ClinicalValue" on page 387
- "Communication" on page 401
- "Complication" on page 417
- "Condition" on page 423
- "ConditionStub" on page 441
- "Device" on page 582
- "DeviceName" on page 604
- "DeviceProperty" on page 611
- "DeviceSpecialization" on page 618
- "DeviceUdiCarrier" on page 625
- "DeviceVersion" on page 633
- "Encounter" on page 766
- "EncounterClassification" on page 795
- "EncounterFinancial" on page 801
- "FocalDevice" on page 848
- "Immunization" on page 944
- "ImmunizationStub" on page 960
- "Interpretation" on page 1052
- "MedicationKinetics" on page 1083

- "MedicationKnowledge" on page 1089
- "MedicationPackaging" on page 1106
- "MedicationRequest" on page 1114
- "Observation" on page 1276
- "ObservationStub" on page 1304
- "ObservationValue" on page 1319
- "Order" on page 1333
- "OrderNumber" on page 1359
- "OrderStub" on page 1366
- "PotentialMedicationIssue" on page 1495
- "Procedure" on page 1521
- "ProcedureStub" on page 1548
- "QuantityTiming" on page 1644
- "Recipient" on page 1656
- "ReferenceRange" on page 1667
- "Referral" on page 1674
- "ReferralStub" on page 1697
- "Regulatory" on page 1710
- "Result" on page 1731
- "ResultInterpreter" on page 1746

• "Specimen" on page 2053

ConsumerEvent

• "ConsumerBehavior" on page 476

InsuranceEvent

- "AppliedBenefit" on page 110
- "BenefitIncentiveSegment" on page 223
- "Case" on page 241
- "CaseStub" on page 266
- "Claim" on page 292
- "ClaimAmount" on page 331
- "ClaimItem" on page 340
- "ClaimItemDetail" on page 360
- "ClaimPayment" on page 369
- "DentalToothChart" on page 575
- "DrugTier" on page 668
- "DrugUtilizationReview" on page 677
- "Enrollment" on page 809
- "FormularyCoverageNetwork" on page 854

- "FormularyCoveragePlan" on page 860
- "FormularyDrug" on page 872
- "FormularyDrugAlternative" on page 892
- "Institutional" on page 1015
- "Payee" on page 1440
- "Payer" on page 1455
- "PriorAuthorization" on page 1507
- "Product" on page 1557
- "ProductStub" on page 1571
- "QualifiedEvent" on page 1633
- "UtilizationManagementEvent" on page 2066
- "Vision" on page 2101

Organization

- "EmployerGroup" on page 706
- "EmployerGroupMastered" on page 728
- "EmployerGroupStub" on page 749
- "FinancialRiskBearer" on page 842
- "HealthCoverageAdministration" on page 920
- "OfferedService" on page 1326

- "ServiceFacility" on page 1806
- "ServiceFacilityMastered" on page 1822
- "ServiceFacilityStub" on page 1838
- "ServiceOrgFacilityRelationship" on page 1851
- "ServiceOrganization" on page 1867
- "ServiceOrganizationMastered" on page 1897
- "ServiceOrganizationStub" on page 1927

Person

- "Consumer" on page 459
- "ConsumerMastered" on page 492
- "ConsumerStub" on page 512
- "Member" on page 1142
- "MemberMastered" on page 1180
- "MemberProviderRelationship" on page 1216
- "MemberStub" on page 1229
- "PanelRelationship" on page 1382
- "Patient" on page 1391
- "PatientMastered" on page 1408
- "PatientStub" on page 1428

- "Person" on page 1462
- "ProviderFacilityRelationship" on page 1580
- "ProviderServiceOrgRelationship" on page 1608
- "ServiceProvider" on page 1947
- "ServiceProviderMastered" on page 1972
- "ServiceProviderRole" on page 1997
- "ServiceProviderStub" on page 2006

Shared

- "Address" on page 29
- "Adjustment" on page 40
- "AdmittingPrivilege" on page 68
- "Application" on page 103
- "Assessment" on page 145
- "AssessmentStub" on page 168
- "AssociatedIdentifier" on page 184
- "AssociatedPerson" on page 190
- "Attribution" on page 202
- "Availability" on page 208
- "BaseDemographic" on page 214

- "Birth" on page 235
- "ChargeAmount" on page 282
- "CodedValue" on page 394
- "Consent" on page 452
- "Contact" on page 523
- "Contract" on page 530
- "Cost" on page 543
- "Credentialing" on page 550
- "CustomDateTime" on page 556
- "CustomIndicator" on page 562
- "Deceased" on page 568
- "Diagnosis" on page 640
- "DispositionMessage" on page 650
- "Document" on page 656
- "Education" on page 692
- "Email" on page 700
- "EntityRelationship" on page 836
- "Grievance" on page 899
- "HomeHost" on page 926
- "IDLookup" on page 934

- "Identifier" on page 936
- "Ingestion" on page 970
- "Ingredient" on page 973
- "Inpatient" on page 979
- "InpatientExtension" on page 994
- "InsurancePlan" on page 1030
- "InsurancePolicy" on page 1038
- "Language" on page 1058
- "License" on page 1064
- "MDMCrossReference" on page 1070
- "MDMRelationship" on page 1076
- "MessagePayload" on page 1249
- "Network" on page 1255
- "Note" on page 1266
- "OrgName" on page 1375
- "PersonName" on page 1479
- "Phone" on page 1486
- "PracticeGroup" on page 1501
- "PrivacyPreference" on page 1514
- "ProcedureReference" on page 1539

- "ProviderInsuranceCoverage" on page 1601
- "Qualification" on page 1624
- "Reaction" on page 1650
- "ReferenceIdentifier" on page 1661
- "RelatedEntity" on page 1719
- "RelatedTransaction" on page 1725
- "Review" on page 1754
- "Sanction" on page 1763
- "ServiceApproved" on page 1785
- "ServiceRequested" on page 2033
- "SocialProfile" on page 2047
- "Substitution" on page 2059
- "VaccinationProtocol" on page 2090

Top-Level Domains

The Abacus Domain Model currently contains the following top-level domains:

- "Allergy" on page 76
- "Appointment" on page 125
- "Assessment" on page 145

- "Case" on page 241
- "Claim" on page 292
- "Communication" on page 401
- "Condition" on page 423
- "Consumer" on page 459
- "ConsumerBehavior" on page 476
- "ConsumerMastered" on page 492
- "Device" on page 582
- "EmployerGroup" on page 706
- "EmployerGroupMastered" on page 728
- "Encounter" on page 766
- "Enrollment" on page 809
- "FormularyDrug" on page 872
- "Grievance" on page 899
- "Immunization" on page 944
- "MedicationRequest" on page 1114
- "Member" on page 1142
- "MemberMastered" on page 1180
- "MemberProviderRelationship" on page 1216
- "Observation" on page 1276
- "Order" on page 1333

- "Patient" on page 1391
- "PatientMastered" on page 1408
- "Person" on page 1462
- "Procedure" on page 1521
- "Product" on page 1557
- "ProviderFacilityRelationship" on page 1580
- "ProviderServiceOrgRelationship" on page 1608
- "Referral" on page 1674
- "Result" on page 1731
- "Sanction" on page 1763
- "ServiceFacility" on page 1806
- "ServiceFacilityMastered" on page 1822
- "ServiceOrgFacilityRelationship" on page 1851
- "ServiceOrganization" on page 1867
- "ServiceOrganizationMastered" on page 1897
- "ServiceProvider" on page 1947
- "ServiceProviderMastered" on page 1972
- "UtilizationManagementEvent" on page 2066

Address

Addresses are physical locations associated with a person or organization.

Address ERD



Field	Туре	Related	Cardinality	Description	Format	Default	Enum
CorrelationID	String			This ID represents correlated data in the			
				parent source. Separate entries in one or			
				more tables with the same correlation ID			
				indicate that the data is related in the			
				source. For example, a medical claim			
				transaction with member information			
				and service provider information along			
				with address, phone, and other related			
				data can all come from the same source			
				and have the same correlation ID. Put			
				another way, it represents the root of the			
				data point for the logical subject area,			
				like MedicalClaim.			
Source	String			This is the unique identifier of the			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
				source from which this data originated, such as Zipari or Orion.			
SourceID	String			This is a unique identifier of the data based on source records. For a simple one-to-one mapping, this can be a unique identifier of the record in the source system. For derived data, this can be a computed field, or a hash based on multiple source fields along with identifiers, such as table names. Note that this can represent an assigned source ID that was created (for example, when the source data was parsed) if the raw source data did not explicitly assign			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
				one.			
ParentSourceID	String			This is the identity (SourceID) of the parent entity that owns this record.			
RelationshipName	String			Since the same instance of parent entity can potentially refer to multiple groups of child entities, this helps distinguish them. For example, Member can have a name and also a group of alternate names, both of which come from the PersonName child entity.			
SchemaVersion	String			This is the domain model schema version used to generate this record.			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
SourceTimestamp	Datetime			This is the date including time in ISO-8601 format that this record was added or updated in the source.			
ConsumeTimestamp	Datetime			This is the date including time in ISO-8601 format that this record was consumed. In the absence of a source timestamp (SourceTimestamp), for an append-only model the record with the greatest value of this column represents the latest data.			
HashID	String			This is a hash of the entire record of the data calculated in a predictable and logical way to avoid duplication.			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
ParentType	String			Since this data type can belong to multiple entities, this is the type of the entity, such as Member, Person, or Enrollment.			
AddressType	String			This is the type of address. Examples include physical and residential.			
UsageType	String			This provides additional categorization of different addresses. Examples include home, work, and custodial.			
AddressSource	String			This is the source that is providing the address data.			
AttnCareOf	String			This is the attention line of the mailing			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
				address.			
AddressLine1	String			This is the first address line in a common mailing address, which most often includes street number, street name, or P.O. Box.			
AddressLine2	String			This is the second address line in a common mailing address, which often includes suite number, floor number, or apartment number.			
AddressLine3	String			This is the third address line.			
AddressLine4	String			This is the fourth address line.			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
AddressLine5	String			This is the fifth address line.			
POBox	String			This is the PO Box.			
City	String			This is the city name of the address in a common mailing address.			
County	String			This is the county name where the address is located.			
StateProvince	String			This is the state or province abbreviation within the country for the address.			
PostalCode	String			This is the ZIP code or postal code where the address is located.			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
ZipCodeExtension	String			This is the four-character extension to the ZIP code or postal code.			
Country	String			This is the country name where the address is located.			
Rank	String			This is the ranking of the address relative to other addresses included. A high rank indicates a preferred address.			
Latitude	String			This is the geographic latitude of the address.			
Longitude	String			This is the geographic longitude of the address.			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
HandicapAccessInd	Boolean			If true, address is handicap accessible.			
Primary	Boolean			This indicates whether this is a primary address.			
Active	Boolean			This indicates whether this is an active address.			
ValidationStatus	String			This includes validation status and diagnostics.			
CodedValue	Array	"CodedValue" on page 394	one-many	Additional address properties.			

Adjustment

This domain includes details of adjustments and edits made to claims, claim items, or payments.

Adjustment ERD



Field	Туре	Related	Cardinality	Description	Format	Default	Enum
CorrelationID	String			This ID represents correlated data in the parent source. Separate entries in one or more tables with the same correlation ID indicate that the data is related in the source. For example, a medical claim transaction with member information and service provider information along with address, phone, and other related data can all come from the same source and have the same correlation ID. Put another way, it represents the root of the data point for the logical subject area, like MedicalClaim.			
Source	String			This is the unique identifier of the source from which this data originated, such as			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
				Zipari or Orion.			
SourceID	String			This is a unique identifier of the data based on source records. For a simple one-to-one mapping, this can be a unique identifier of the record in the source system. For derived data, this can be a computed field, or a hash based on multiple source fields along with identifiers, such as table names. Note that this can represent an assigned source ID that was created (for example, when the source data was parsed) if the raw source data did not explicitly assign one.			
ParentSourceID	String			This is the identity (SourceID) of the parent			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
				entity that owns this record.			
RelationshipName	String			Since the same instance of parent entity can potentially refer to multiple groups of child entities, this helps distinguish them. For example, Member can have a name and also a group of alternate names, both of which come from the PersonName child entity.			
SchemaVersion	String			This is the domain model schema version used to generate this record.			
SourceTimestamp	Datetime			This is the date including time in ISO-8601 format that this record was added or updated in the source.			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
ConsumeTimestamp	Datetime			This is the date including time in ISO-8601 format that this record was consumed. In the absence of a source timestamp (SourceTimestamp), for an append-only model the record with the greatest value of this column represents the latest data.			
HashID	String			This is a hash of the entire record of the data calculated in a predictable and logical way to avoid duplication.			
ParentType	String			Since this data type can belong to multiple entities, this is the type of the entity, such as Member, Person, or Enrollment.			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
Туре	String			This is the type of adjustment.			
ReasonCode	String			This is the coded reason for the adjustment.			
ReasonDescription	String			This is the descriptive reason for the adjustment.			
Amount	Number			This is the amount of adjustment.			
IdentifierAdjustedFrom	String			This is the identifier of the entity or item from which this adjustment was made.			
IdentifierAdjustedTo	String			This is the identifier of the entity or item to which this adjustment was applied.			
OriginalIdentifier	String			This is the original claim identifier			

Field	Туре	Related	Cardinality	Description	Format	Default	Enum
				associated with the claim adjustment.			