

# Ed-Fi 2.x Student Entity Mapping

## Overview

Use this page to help understand and define the mapping of Aeries data to Ed-Fi data



## Status

Ready for certification

Document Version 1.7

Last Updated 05 Mar 2020

## Links

### Entity

<https://mappingedu.ed-fi.org/#/entity/eccbf4aa-4ed2-e811-80d9-005056b36109/info?dataStandardId=db3697f4-4dd2-e811-80d9-005056b36109>

### Scenarios

<https://techdocs.ed-fi.org/display/EDFICERT/Student+%3E+Student+Scenarios>

### Schema

<https://schema.ed-fi.org/datahandbook-v22/Ed-Fi-UDM-Handbook-Index.html#/Student585>

## Root Table

SN

## SQL

See StudentSchoolCombination

## Entity Mapping

Parent	Property	Type	Required	Table	Field	Other	Code / Notes
\	address	List(Of StudentAddress)	Optional				
address	address[1]	StudentAddress	Optional				Home Address
address[1]	addressType	<a href="#">AddressType</a>	Conditional			Hard code to 'Home'	EdFiAddressTypes( EdFiAddressTypeEnum.Home)
address[1]	apartmentRoom SuiteNumber	String	Optional				
address[1]	beginDate	Date	Optional				
address[1]	buildingSiteNumber	String	Optional				
address[1]	city	String	Optional	STU	RCY		GetString(s("RCY"))
address[1]	countyFIPSCode	String	Optional				
address[1]	endDate	Date	Optional				
address[1]	latitude	String	Optional				
address[1]	longitude	String	Optional				
address[1]	nameOfCounty	String	Optional				
address[1]	postalCode	String	Optional	STU	RZC		GetString(s("RZC"))
address[1]	stateAbbreviationType	<a href="#">StateAbbreviationType</a>	Optional	STU	RST		GetUpperCaseString( s("RST"))  Not mapped
address[1]	streetNumberName	String	Optional	STU	RAD		GetString(s("RAD"))
address	address(2)	StudentAddress	Optional				Mailing Address

address[2]	addressType	AddressType	Conditional			Hard code to 'Mailing'	EdFiConstants. EdFiAddressTypes( EdFiAddressTypeEnum. Mailing)
address[2]	apartmentRoom SuiteNumber	String	Optional				
address[2]	beginDate	StringDate	Optional				
address[2]	buildingSiteNumber	String	Optional				
address[2]	city	String	Optional	STU	CY		GetString(s("CY"))
address[2]	countyFIPSCode	String	Optional				
address[2]	endDate	Date	Optional				
address[2]	latitude	String	Optional				
address[2]	longitude	String	Optional				
address[2]	nameOfCounty	String	Optional				
address[2]	postalCode	String	Optional	STU	ZC		GetString(s("ZC"))
address[2]	stateAbbreviationType	StateAbbreviationType	Optional	STU	ST		GetUpperCaseString(s("ST"))  Not mapped
address[2]	streetNumberName	String	Optional	STU	AD		GetString(s("AD"))
\	birthCity	String	Required	STU	BCY		GetString(s("BCY"))
\	birthCountryDescriptor	String	Required	STU	BCU		GetEdFiCodeValue( CountryDescriptor, "STU", "BCU", rowSTU!BCU)
\	birthDate	Date	Required	STU	BD		GetNullableDate(s("BD"))
\	birthInternational Province	String	Optional	STU	BST		If(GetUpperCaseString( s("BCU")) = "US", String.Empty, GetUpperCaseString( s("BST"))
\	birthStateAbbreviation Type	StateAbbreviationType	Required	STU	BST		If(GetUpperCaseString( s("BCU")) = "US", GetUpperCaseString( s("BST")), String.Empty)
\	characteristics	List(Of StudentCharacteristic)	Optional				
characteristics	characteristics	StudentCharacteristic	Optional				
characteristics[n]	beginDate	Date	Optional				
characteristics[n]	descriptor	StudentCharacteristic MapType	Optional				
characteristics[n]	designatedBy	String	Optional				
characteristics[n]	endDate	Date	Optional				
\	citizenshipStatusType	String	Optional				
\	cohortYears	List(Of StudentCohortYear)	Optional				
cohortYears[n]	cohortYears	StudentCohortYear	Optional				
cohortYears[n]	cohortYearType	CohortYearType	Optional				
cohortYears[n]	schoolYearType Reference	SchoolYearType Reference	Optional				
cohortYears[n] \schoolYearType Reference	link	Link	Optional				
cohortYears[n]	schoolYear	Integer	Optional				
\	dateEnteredUS	Date	Optional				
\	disabilities	List(Of StudentDisability)	Optional				
disabilities	disabilities(1)	StudentDisability	Optional				
disabilities[1]	disabilityDescriptor	DisabilityMapType	Optional				
disabilities[1]	disabilityDetermination SourceType	DisabilityDetermination SourceType	Optional				
disabilities[1]	disabilityDiagnosis	String	Optional				
disabilities[1]	orderOfDisability	String	Optional				
disabilities[2]	disabilities(2)	StudentDisability	Optional				
disabilities[2]	disabilityDescriptor	DisabilityMapType	Optional				

disabilities[2]	disabilityDeterminationSourceTypes	<a href="#">DisabilityDeterminationSourceTypes</a>	Optional				
disabilities[2]	disabilityDiagnosis	String	Optional				
disabilities[2]	orderOfDisability	String	Optional				
disabilities[3]	disabilities(3)	StudentDisability	Optional				
disabilities[3]	disabilityDescriptor	<a href="#">DisabilityMapType</a>	Optional				
disabilities[3]	disabilityDeterminationSourceTypes	<a href="#">DisabilityDeterminationSourceTypes</a>	Optional				
disabilities[3]	disabilityDiagnosis	String	Optional				
disabilities[3]	orderOfDisability	Integer	Optional				
\	displacementStatus	String	Optional				
\	economicDisadvantaged	Boolean	<b>Required</b>		<p>We are not sending this data.</p> <p>This is a problem from a security standpoint because Ed-Fi does not allow for field-level security and not everyone with READ to the Student Entity should have READ permissions for this flag.</p> <p><a href="https://www.cde.ca.gov/ls/nu/sn/confidential.asp">https://www.cde.ca.gov/ls/nu/sn/confidential.asp</a></p>		
\	electronicMails	List(Of StudentElectronicMail)	Optional				
electronicMails[1]	electronicMails(1)	StudentElectronicMail	Optional				
electronicMails[1]	electronicMailAddress	String	Optional	STU	SEM		GetString(s("SEM"))
electronicMails[1]	electronicMailType	<a href="#">ElectronicMailType</a>	Optional			Hard code to 'HomePersonal'	EdFiElectronicMailTypes( EdFiElectronicMailTypeEnum. HomePersonal)
electronicMails[1]	primaryEmailAddressIndicator	Boolean	Optional				
\	firstName	String	<b>Required</b>	STU	FN		GetString(s("FN"))
\	generationCodeSuffix	String	<b>Required</b>	STU	SF		GetString(s("SF"))
\	hispanicLatinoEthnicity	Boolean	<b>Required</b>	STU	ETH		GetNullableBoolean( GetEdFiCodeValue( BooleanType, "STU", "ETH", drSTUIETH)
\	id	String	Optional				
\	identificationCodes	List(Of StudentIdentificationCode)	Conditional				
identificationCodes[1]	identificationCodes(1)	StudentIdentificationCode	Conditional				District
identificationCodes[1]	assigningOrganizationIdentificationCode	String	<b>Conditional</b>			Hard code to 'District'	EdFiStudentIdentificationSystemTypes( EdFiStudentIdentificationSystemTypeEnum.District)
identificationCodes[1]	identificationCode	String	<b>Conditional</b>	STU	ID		GetString(drSTUIID)
identificationCodes[1]	studentIdentificationSystemDescriptor	<a href="#">StudentIdentificationSystemMapType</a>	<b>Conditional</b>			Hard code to 'District'	EdFiStudentIdentificationSystemTypes( EdFiStudentIdentificationSystemTypeEnum.District)
\	identificationCodes[2]	StudentIdentificationCode	Conditional				State
identificationCodes[2]	assigningOrganizationIdentificationCode	String	<b>Conditional</b>			Hard code to 'State'	EdFiStudentIdentificationSystemTypes( EdFiStudentIdentificationSystemTypeEnum.State)
identificationCodes[2]	identificationCode	String	<b>Conditional</b>	STU	CID		GetString(drSTUICID)
identificationCodes[2]	studentIdentificationSystemDescriptor	<a href="#">StudentIdentificationSystemMapType</a>	<b>Conditional</b>			Hard code to 'State'	EdFiStudentIdentificationSystemTypes( EdFiStudentIdentificationSystemTypeEnum.State)
\	identificationDocuments	List(Of StudentIdentificationDocument)	Optional				
\	identificationDocuments[n]	StudentIdentificationDocument	Optional				

identification Documents[n]	documentExpirationDate	Date	Optional				
identification Documents[n]	documentTitle	String	Optional				
identification Documents[n]	identificationDocumentUseType	IdentificationDocumentUseType	Optional				
identification Documents[n]	issuerCountryDescriptor	String	Optional				
identification Documents[n]	issuerDocumentIdentificationCode	String	Optional				
identification Documents[n]	issuerName	String	Optional				
identification Documents[n]	personalInformationVerificationType	PersonalInformationVerificationType	Optional				
\	indicators	List(Of StudentIndicator)	Optional				
indicators[n]	beginDate	Date	Optional				
indicators[n]	designatedBy	String	Optional				
indicators[n]	endDate	Date	Optional				
indicators[n]	indicator	String	Optional				
indicators[n]	indicatorGroup	String	Optional				
indicators[n]	indicatorName	String	Optional				
\	internationalAddresses	List(Of StudentInternationalAddress)	Optional				
\	languages	List(Of StudentLanguage)	Required				
languages	languages[1]	StudentLanguage	Required				
languages[1]	languageDescriptor	LanguageMapType	Required	STU	CL		GetEdFiCodeValue(LanguageDescriptor, "STU", "HL", rowSTU!CL)
languages[1]	uses	List(Of StudentLanguageUse)	Required				
languages[1] \uses	uses[1]	StudentLanguageUse	Required				
languages[1] \uses[1]	languageUseType	LanguageUseType	Required			hard code to 'Home language'	New StudentLanguageUse() With { .languageUseType = "Home language" }
languages	languages[2]	StudentLanguage	Required				
languages[2]	languageDescriptor	LanguageMapType	Required	STU	HL		GetEdFiCodeValue(LanguageDescriptor, "STU", "HL", rowSTU!HL)
languages[2]	uses	List(Of StudentLanguageUse)	Required				
languages[2] \uses	uses[1]	StudentLanguageUse	Required				
languages[2] \uses[1]	languageUseType	LanguageUseType	Required			hard code to 'Correspondence language'	New StudentLanguageUse() With { .languageUseType = "Correspondence language" }
\	lastName	String	Required	STU	LN		GetString(s("LN"))
\	learningStyle	StudentLearningStyle	Optional				
\	limitedEnglishProficiencyDescriptor	LimitedEnglishProficiencyMapType	Required	STU	LF	Mapped	GetEdFiCodeValue(LimitedEnglishProficiencyDescriptor, "STU", "LF", drSTU!LF)
\	loginId	String	Optional				
\	maidenName	String	Optional				
\	middleName	String	Required	STU	MN		GetString(s("MN"))
\	multipleBirthStatus	Boolean	Optional				
\	oldEthnicityType	OldEthnicityType	Optional				
\	otherNames	List(Of StudentOtherName)	Optional				
\	otherNames(1)	StudentOtherName	Optional				
otherNames[n]	firstName	String	Optional				
otherNames[n]	generationCodeSuffix	String	Optional				
otherNames[n]	lastName	String	Optional				
otherNames[n]	middleName	String	Optional				

otherNames[n]	otherNameType	<a href="#">OtherNameType</a>	Optional				
otherNames[n]	personalTitlePrefix	String	Optional				
\	personalTitlePrefix	String	<b>Conditional</b>				Not stored in Aeries
\	profileThumbnail	String	Optional				
\	programParticipations	List(Of StudentProgram Participation)	Optional				
programParticipations[n]	beginDate	Date	Optional				
programParticipations[n]	designatedBy	String	Optional				
programParticipations[n]	endDate	Date	Optional				
programParticipations[n]	programType	<a href="#">ProgramType</a>	Optional				
programParticipations[n]	programCharacteristics	List(Of StudentProgram Participation ProgramCharacteristic)	Optional				
programParticipations[n]	programCharacteristics(1)	StudentProgram Participation ProgramCharacteristic	Optional				
programParticipations[n]	programCharacteristic Descriptor	<a href="#">ProgramCharacteristic MapType</a>	Optional				
	racess	List(Of StudentRace)	Optional				
racess[1]	raceType	<a href="#">RaceType</a>	Optional	STU	RC1	Mapped	GetEdFiCodeValue(RaceType, "STU", "RC1", racetype)
racess[2]	raceType	<a href="#">RaceType</a>	Optional	STU	RC2	Mapped	GetEdFiCodeValue(RaceType, "STU", "RC2", racetype)
racess[3]	raceType	<a href="#">RaceType</a>	Optional	STU	RC3	Mapped	GetEdFiCodeValue(RaceType, "STU", "RC3", racetype)
racess[4]	raceType	<a href="#">RaceType</a>	Optional	STU	RC4	Mapped	GetEdFiCodeValue(RaceType, "STU", "RC4", racetype)
racess[5]	raceType	<a href="#">RaceType</a>	Optional	STU	RC5	Mapped	GetEdFiCodeValue(RaceType, "STU", "RC5", racetype)
\	schoolFoodServices EligibilityDescriptor	<a href="#">SchoolFoodServices EligibilityMapType</a>	<b>Required</b>	FRE	CD	Hard code to Nothing	sending String.Empty  We are not sending this data. This is a problem from a security standpoint.  <a href="https://www.cde.ca.gov/ls/nu/sn/confidential.asp">https://www.cde.ca.gov/ls/nu/sn/confidential.asp</a>
\	sexType	<a href="#">SexType</a>	<b>Required</b>	STU	SX	Mapped	GetEdFiCodeValue(SexType, "STU", "SX", drSTU!SX)
\	studentUniqueld	String	<b>Required</b>	STU	ID		GetString(s("ID"))
\	telephones	List(Of StudentTelephone)	Optional				
telephones[1]	orderOfPriority	Integer	Optional				
telephones[1]	telephoneNumber	String	Optional	STU	TL		GetString(s("TL"))
telephones[1]	telephoneNumberType	<a href="#">TelephoneNumberType</a>	Optional			Hard code to 'Home'	EdFiTelephoneNumberTypes(Enum.Home)
telephones[1]	textMessageCapability Indicator	Boolean	Optional				
telephones[2]	orderOfPriority	Integer	Optional				
telephones[2]	telephoneNumber	String	Optional				
telephones[2]	telephoneNumberType	<a href="#">TelephoneNumberType</a>	Optional				
telephones[2]	textMessageCapability Indicator	Boolean	Optional				
telephones[3]	orderOfPriority	Integer	Optional				
telephones[3]	telephoneNumber	String	Optional				
telephones[3]	telephoneNumberType	<a href="#">TelephoneNumberType</a>	Optional				
telephones[3]	textMessageCapability Indicator	Boolean	Optional				
\	visas	List(Of StudentVisa)	Optional				

visas[n]	visaType	VisaType	Optional				
----------	----------	----------	----------	--	--	--	--