

Potential EDM Attribute	HL7 v3 Attribute	HL7 Definition	HL7 v2 Attribute (via Newborn Screening)	HL7 v2 Max Length	HL7 v2 Definition	NIEM Element	NIEM Definition	X12 Field 005010X220	X12 Max Length	X12 Definition
Full Name	Entity.name	A non-unique textual identifier or moniker for the Entity.	Mother's Maiden Name (00109)	250		nc:PersonFullName	A complete name of a person.			N/A
Name Prefix	Entity.name <prefix>	A prefix has a strong association to the immediately following name part. A prefix has no implicit trailing white space (it has implicit leading white space though). Note that prefixes can be inverted.	Prefix (e.g., DR) (Not used)	N/A		nc:PersonNamePrefixText	A title or honorific used by a person. [no code set - text field; could extend to add]	Member Name Prefix (NM106)	10	Prefix to individual name [no code set - text field]
First Name	Entity.name <given>	Given name (don't call it "first name" since this given names do not always come first)	Given Name (Not used)	N/A		nc:PersonGivenName	A first name of a person.	Member Name First (NM104)	35	Individual first name
Middle Name	Entity.name <given>	Given name (don't call it "first name" since this given names do not always come first)	Second and Further Given Names or Initials Thereof (Not used)	N/A		nc:PersonMiddleName	A middle name of a person.	Member Name Middle (NM105)	25	Individual middle name or initial
Last Name	Entity.name <family>	Family name, this is the name that links to the genealogy. In some cultures (e.g. Eritrea) the family name of a son is the first name of his father.	Second and Further Given Names or Initials Thereof (Not used)	N/A		nc:PersonSurName	A last name or family name of a person.	Member Last Name (NM103)	60	Individual last name or organizational name

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Name Suffix	Entity.name <suffix>	A suffix has a strong association to the immediately preceding name part. A prefix has no implicit leading white space (it has implicit trailing white space though). Suffices can not be inverted.	Suffix (e.g., JR or III) (Not used)	N/A		nc:PersonNameSuffixText	A term appended after the family name that qualifies the name. [no code set - text field]	Member Name Suffix (NM107)	10	Suffix to individual name [no code set - text field]
Social Security Number	Person.Person ID	A string or numeric symbol(s) which uniquely define a particular person	Next of Kin/Associated Party's Identifiers (ID Number + Assigning Authority + Identifier Type Code) (00751)	15+227	Baby's mother's: 1) Medicaid Number (if eligible); and 2) Social Security Number (SSN # + Namespace=SSA + UID=2.16.840.1.11 3883.4.1 + SS)	nc:PersonSSNIdentification	A unique reference to a living person; assigned by the United States Social Security Administration.	Member Identifier (NM109) + Identification Code Qualifier (NM108) "34"	80+2	Code identifying a party or other code + Code designating the system/method of code structure used for Identification Code [code set value: 34]
DMV Customer Number	Person.Person ID	A string or numeric symbol(s) which uniquely define a particular person	Patient Identifier List (00106)	250	Baby's medical record number (# + MR)	nc:PersonStateIdentification	An identification of a person based on a state-issued ID card.	Member Identifier (NM109) + Identification Code Qualifier (NM108)	80+2	Code identifying a party or other code + Code designating the system/method of code structure used for Identification Code [code set dependent on implementation guide]

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Gender	LivingSubject.administrativeGenderCode	The gender (i.e., the behavioral, cultural, or psychological traits typically associated with one sex) of a living subject as defined for administrative purposes. [code set: UN [Undifferentiated], M [Male], F [Female]]	Sex (00111)	1	Baby's sex	nc:PersonSex	A gender or sex of a person. [code set: U [Unknown], M [Male], F [Female]]	Gender Code (DMG03)	1	Code indicating the sex of the individual [code set: U (Unknown), M (Male), F (Female)]
Birth Date	LivingSubject.birthTime	The date and time of a living subject's birth or hatching.	Date/Time of Birth (00110)	26	Baby's date of birth.	nc:PersonBirthDate	A date a person was born.	Member Birth Date (DMG02)	35	Expression of a date, a time, or range of dates, times or dates and times. DMG02 is the date of birth
Deceased Indicator	LivingSubject.deceasedInd	An indication that the subject is dead. (True/False)	Patient Death Indicator (Not used)	1		nc:PersonLivingIndicator	True if a person is alive, false if a person is dead.			[Transaction 834 has a field to indicate the transaction is for a death but no ongoing indicator 1]
Death Date	LivingSubject.deceasedTime	The date and time that a living subject's death occurred.	Patient Death Date and Time (Not used)	26		nc:PersonDeathDate	A date a person died or was declared legally dead.	Member Individual Death Date (INS12)	35	Expression of a date, a time, or range of dates, times or dates and times. INS12 is the date of death
Person Alias	Entity.name	A non-unique textual identifier or moniker for the Entity.	Patient Name (00108)	249	Baby's name(s), including aliases	nc:PersonAlternateName	An alternate name used by a person. [same elements as PersonName]			[Transaction 834 has a field for Prior Incorrect Member Name but no ongoing Alias]

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Person Alias Type (e.g., birth name, stage name)	Entity.name "use" [code set: C (License), I (Indigenous/Tribal), L (Legal), P (pseudonym), A (Artist/Stage), R (Religious), SRCH (search), PHON (phonetic), SNDX (Soundex), ABC (Alphabetic), SYL (Syllabic), IDE	A self asserted name that the person is using or has used.	Patient Name Name Type Code (00108)	1	For alias, use Name Type Code (PID-5.7) as literal value "A-Alias"	nc:personNameCommentText	A comment about a kind of name for a person. [no value list]			N/A

ADDRESS

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Type (mailing, dwelling)	Postal Address "use" [code set: H (home address), HP (home primary), HV (vacation home), WP (work place), DIR (work place - direct), PUB (work place - public), TMP (temporary), BAD (bad address)]	A set of codes advising a system or user which address in a set of like addresses to select for a given purpose. (e.g., home, primary home, vacation home, work place)			N/A	nc:ContactMailingAddress OR nc:ResidenceAssociation	A postal address by which a person or organization may be contacted. OR A postal location to which paper mail can be directed. OR An association between a person and a location where that person lives.			[Member Residence listed below (N3 fields); Member Mailing & Provider Address uses same fields in a different location in the file]
Full Address	Organization.Address	A string or number which specifies the location(s) at which an organization is physically located (an organization may have zero or more home addresses)	Address (00193)	230	Address of the baby's mother / caregiver	nc:AddressFullText	A complete address.			N/A
Street Address Line	Addr <street address line>				N/A	nc:StreetFullText	A complete reference for a street.	Member Address Line (N301) + Member Address Line (N302)	55+55	Address information [Line 1 & Line 2]
Street Number	Addr <building number>	The number of a building, house or lot alongside the street. Also known as "primary street number". This does not number the street but rather the building.			N/A	nc:StreetNumberText	A number that identifies a particular unit or location within a street.			N/A
Street Predirection	Addr <direction>	Direction (e.g., N, S, W, E)			N/A	nc:StreetPredirectionText	A direction that appears before a street name.			N/A

EDM Contact Method
HL7, NIEM and X12 Crosswalk

21 July 2011

Street Name	Addr <street name base>	The base name of a roadway or artery recognized by a municipality (excluding street type and direction)			N/A	nc:StreetName	A name of a street.			N/A
Street Type	Addr <street type>	The designation given to the street. (e.g. Street, Avenue, Crescent, etc.)			N/A	nc:StreetCategoryText	A kind of street.			N/A
Street Postdirection	Addr <direction>	Direction (e.g., N, S, W, E)			N/A	nc:StreetPostdirectionalText	A direction that appears after a street name.			N/A
Street Extension	Addr <additional locator>	This can be a unit designator, such as apartment number, suite number, or floor. There may be several unit designators in an address (e.g., "3rd floor, Appt. 342"). This can also be a designator pointing away from the location, rather than specifying a smaller location within some larger one (e.g., Dutch "t.o." means "opposite to" for house boats located across the street facing houses).			N/A	nc:StreetExtensionText	Any additional parts of a street reference that follows the street category and post directional.			N/A
City	Addr <city>	The name of the city, town, village, or other community or delivery center			N/A	nc:LocationCityName	A name of a city or town.	Member City Name (N401)	30	Free-form text for city name
County	Addr <county>	A sub-unit of a state or province. (49 of the United States of America use the term "county;" Louisiana uses the term "parish".)	County/Parish code	20	Enter county code where the baby resides	nc:LocationCounty	A county, parish, vicinage, or other such geopolitical subdivision of a state. [can be code or text; code set default: fips_6-4:USCountyCodeType)			N/A

State	Addr <state>	A sub-unit of a country with limited sovereignty in a federally organized country.			N/A	nc:LocationState	A state, commonwealth, province, or other such geopolitical subdivision of a country. [can be code or text; possible code sets: Canadian Post Province Code, FIPS 5-2 International Code, FIPS 5-2 Numeric or Alpha Code, FBI License State Code, FBI LSTA Code, FBI Registration State for Boats Code, USPS Codes]	Member State Code (N402) OR Country Subdivision Code (N407)	2 OR 3	Code (Standard State/Province) as defined by appropriate government agency [code sets: U.S. Postal Service or Canada Post or Mexican Bureau of Transportation Statistics] OR Code identifying the country subdivision. Required when the address is not in the United States of America, including its territories, or Canada... Use the country subdivision codes from Part 2 of ISO 3166. [code set: Codes for Representation of Names of Countries, ISO 3166-(Latest Release)]
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Country	Addr <country>	Country			N/A	nc:LocationCountry	A country, territory, dependency, or other such geopolitical subdivision of a location. [can be code, identification or text; possible code sets: FIPS 10-4 country codes, FIPS 10-4 country codes + NCTC country codes, ISO 3166 Numeric Code, ISO 3166 Alpha-3 Code, ISO 3166 Alpha-2 Code]	Country Code (N404)	3	Code identifying the country. Use the alpha-2 country codes from Part 1 of ISO 3166. [code set: Codes for Representation of Names of Countries, ISO 3166-(Latest Release)]
Postal Code	Addr <postalCode>	A postal code designating a region defined by the postal service.			N/A	nc:LocationPostalCode	An identifier of a post office-assigned zone for an address.	Member Postal Zone or Zip Code (N403)	15	Code defining international postal zone code excluding punctuation and blanks (zip code for United States) [code set: USPS National ZIP Code and Post Office Directory, Publication 65; Universal Postal Union]
Postal Code Extension					N/A	nc:LocationPostalExtensionCode	An identifier of a smaller area within a post office-assigned zone for an address.			N/A

TELEPHONE NUMBER

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Type (home, work)	CommunicationFunction.telecom "use" [code set: H (home address), HP (home primary), HV (vacation home), WP (work place), DIR (work place - direct), PUB (work place - public), TMP (temporary), BAD (bad address), AS (answering service), EC (emergency contact), MC (mobile contact), PG (pager)]	One or more codes advising a system or user which telecommunication address in a set of like addresses to select for a given telecommunication need.			N/A	inc:ContactFaxNumber OR inc:ContactTelephoneNumber OR inc:ContactMobileTelephoneNumber	A telephone number for a facsimile device by which a person or organization may be contacted. OR A telephone number for a telecommunication device by which a person or organization may be contacted. OR A telephone number for a mobile telecommunication device by which a person or organization may be contacted.	Communication Number Qualifier (PER03/PER05/PER07)	2	Code identifying the type of communication number [code set: AP (Alternate Telephone), BN (Beeper Number), CP (Cellular Phone), EM (Electronic Mail), EX (Telephone Extension), FX (Facsimile), HP (Home Phone Number), TE (Telephone), WP (Work Phone Number)]
Telephone Number	CommunicationFunction.telecom	The telecomm address that can be used to reach the entity in the identified role.	Phone Number (00194)	250 (XTN)	Mother / caregiver's phone number	inc:FullTelephoneNumber	A full telephone number.	Communication Number (PER04/PER06/PER08)	256	Complete communications number including country or area code when applicable
Telephone Number Suffix		N/A			N/A	inc:TelephoneSuffixID	Additional numbers to be entered after a call connects to be directed to the appropriate place.	Communication Number Qualifier "EX" + Communication Number	2+256	Code identifying the type of communication number (Telephone Extension) + Complete communications number including country or area code when applicable

EMAIL

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Type (home, work)	CommunicationFunction.telecom "use" [code set: H (home address), HP (home primary), HV (vacation home), WP (work place), DIR (work place - direct), PUB (work place - public), TMP (temporary), BAD (bad address), AS (answering service), EC (emergency contact), MC (mobile contact), PG (pager)]	One or more codes advising a system or user which telecommunication address in a set of like addresses to select for a given telecommunication need.			N/A		N/A	Communication Number Qualifier (PER03/PER05/PER07)	2	Code identifying the type of communication number [code set: AP (Alternate Telephone), BN (Beeper Number), CP (Cellular Phone), EM (Electronic Mail), EX (Telephone Extension), FX (Facsimile), HP (Home Phone Number), TE (Telephone), WP (Work Phone Number)]
Email Address Text	CommunicationFunction.telecom	The telecomm address that can be used to reach the entity in the identified role.			N/A	nc:ContactEmailID	An electronic mailing address by which a person or organization may be contacted.	Communication Number (PER04/PER06/PER08)	256	Complete communications number including country or area code when applicable

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Name	Entity.name where use = License	A non-unique textual identifier or moniker for the Entity.	Organization Name (ORC.21/1)	50?		inc:OrganizationName	A name of an organization.	Vendor Location.Vendor Location Standard Name	<p>The Vendor Location Standard Name is the name used across the Commonwealth in processing orders and payments to the vendor location.</p> <p>The Department of Purchases and Supply (DPS) will assign the standard name for each procurement vendor. A procurement vendor may have one or more Vendor Location Standard Names per TIN.</p> <p>The assigned standard name will be associated with the vendor's tax documentation and the vendor location.</p>	Provider Last or Organization Name (NM103) + Provider First Name (NM104) + Provider Middle Name (NM105) + Name Prefix (NM106) + Name Suffix (NM107)	60+35+25 +10+10	Individual name or organizational name [no code sets for prefix & suffix]
Abbreviation	Entity.name where use = pseudonym	A non-unique textual identifier or moniker for the Entity.			N/A	inc:OrganizationAbbreviationText	An abbreviation, acronym, or code for an organization name.		N/A			N/A

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Doing Business As Name	Entity.name where use = Legal	A non-unique textual identifier or moniker for the Entity.			N/A	inc:OrganizationDoingBusinessAsName	A name an organization uses for conducting business.	Vendor Location.Vendor Location Name	The Vendor Location Name is a clarifying name for purchasing purposes. It is the name commonly used by buyers and payers to reference this specific vendor location. Often it contains the trading as name or doing business as name.			N/A
Payer/Provider Indicator	Entity.classCode	The major class of Entities to which an Entity-instance belongs.			N/A				N/A			N/A [All are provider fields in the 834]
Legal Type Code	Entity.code	The specific kind of Entity to which an Entity-instance belongs.			N/A	inc:OrganizationCategoryText	A kind or functional type of organization.	Organization Legal Type Code	The Organization Legal Type Code is a code which represents the legal designation for the type of business organization. (e.g., Corporation, LLC, Non-profit)			N/A

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Activity	Organization .standardIndustryClassCode	The industrial category of an organization.			N/A	inc:OrganizationActivityText	An activity that an organization is known or thought to be involved with.	Vendor Location Commodity.NIGP Commodity Code & Vendor Location Commodity.NIGP Commodities Description Text	The NIGP Commodity Code is the National Institute of Governmental Purchasing code structure for the classification of commodities (goods and services) The code is broken into segments class, item, group, detail. The more digits used the more specific the code becomes. Vendor Location registration may select Class and Item codes.	Entity Identifier Code (NM101) + Entity Type Qualifier (NM102)	3+1	Code identifying an organizational entity, a physical location, property or an individual [code set: 1X (Laboratory), 3D (Obstetrics and Gynecology Facility), 80 (Hospital), FA (Facility), OD (Doctor of Optometry), P3 (Primary Care Provider), QA (Pharmacy), QN (Dentist), Y2 (Managed Care Organization)] Code qualifying the type of entity [code set: 1 (Person), 2 (Non-Person

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Identifier	Entity.id	A unique identifier for the Entity.	Organization Identifier (ORC.21/10)	?		inc:OrganizationIdentification	An identification that references an organization.	Vendor Location Vendor Location.Identification Number	The Vendor Location Identification Number is a Commonwealth of Virginia assigned unique number that identifies a Vendor Location.	Identification Code Qualifier (NM108) + Provider Identifier (NM109)	2+80	Code designating the system/method of code structure used for Identification Code [code set: 34 (Social Security Number), FI (Federal Taxpayer's Identification Number), SV (Service Provider Number), XX (Centers for Medicare and Medicaid Services National Provider Identifier)] Code identifying a party or other code
Alternate Identifier	Entity.id	A unique identifier for the Entity.			N/A	inc:OrganizationOtherIdentification	An identification assigned to an organization.	Vendor Location Alternate Identifier.Vendor Location Alternate Identifier	The Vendor Location Alternate Identifier is a unique number assigned to this vendor location by the type registrar			N/A

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Alternate Identifier Type	Entity.id Instance Identifier <assigningAuthorityName>	An identifier that uniquely identifies a thing or object. Examples are object identifier for HL7 RIM objects, medical record number, order id, service catalog item id, Vehicle Identification Number (VIN), etc. Instance identifiers are defined based on ISO object identifiers. (i.e., OID code) <assigningAuthorityName> A human readable name or mnemonic for the assigning authority. The Assigning Authority Name has no computational value. The purpose of a Assigning Authority Name is			N/A	inc:IdentificationSourceText	A person, organization, or locale which issues an identification.	Vendor Location Alternate ID Type Code.Vendor Location Alternate ID Type Code	The Vendor Location Alternate ID Type Code indicates the registration authority responsible for the uniqueness of the identifier Examples: CCR = Central Contractor Registration DUNS = Dun and Bradstreet Number (Does not allow duplicates) FMS = DOA Financial Management System (in planning as of Jul 09) This could contain IDs used by various state agencies. Additional domains would need to be defined.			N/A