

property	Schema.org	Google	NIAID SysBio
alternateName	Text	Text	NA
citation	CreativeWork, Text	CreativeWork, Text	ScholarlyArticle
↳ citation.name	Text	NA	Text
↳ citation.url	URL	NA	Text*
creator	Organization, Person	Organization, Person	Organization, Person*
↳ creator.name	Text	NA	Text*
description	Text	Text*	Text*
distribution	DataDownload	DataDownload	DataDownload*
↳ distribution.contentUrl	URL	URL*	Text*
↳ distribution.dateModified	Date, DateTime	NA	Text*
↳ distribution.encodingFormat	Text, URL	Text, URL	NA
funder	NA	Organization, Person	NA
funding	Grant (<i>pending</i>)	NA	MonetaryGrant*
↳ funding.description	Text	NA	Text
↳ funding.funder	Organization, Person	NA	Organization*
↳ funding.funder.name	Text	NA	Text*
↳ funding.funder.parentOrganization	Organization	NA	Text
↳ funding.identifier	Text	NA	Text*
↳ funding.url	URL	NA	Text
hasPart	CreativeWork	Dataset, URL	NA
healthCondition	NA	NA	Text
identifier	PropertyValue, Text, URL	PropertyValue, Text, URL	Text*
includedInDataCatalog	DataCatalog	DataCatalog	NA
infectiousAgent	NA	NA	Text
isAccessibleForFree	NA	Boolean	NA
isPartOf	CreativeWork, URL	Dataset, URL	NA
keywords	Text, URL	Text	NA
license	CreativeWork, URL	CreativeWork, URL	Text
measurementTechnique	Text, URL	Text, URL	Text*
name	Text	Text*	Text*

sameAs	URL	URL	NA
sdPublisher	Organization, Person (<i>pending</i>)	NA	Organization, Person
spatialCoverage	Place	Place, Text	AdministrativeArea
↳ spatialCoverage.administrativeType	NA	NA	Text
↳ spatialCoverage.alternateName	Text	NA	Text
↳ spatialCoverage.identifier	PropertyValue, Text, URL	NA	Text
↳ spatialCoverage.locationType	NA	NA	Text
↳ spatialCoverage.name	Text	NA	Text
species	NA	NA	Text
temporalCoverage	DateTime, Text, URL	Text	TemporalInterval
↳ temporalCoverage.duration	NA	NA	Text
↳ temporalCoverage.endDate	CreativeWorkSeason, CreativeWorkSeries, DatedMoneySpecification, EducationalOccupationalProgram, Event, MerchantReturnPolicySeasonalOverride, Role, Schedule	NA	Text
↳ temporalCoverage.name	NA	NA	Text
↳ temporalCoverage.startDate	CreativeWorkSeason, CreativeWorkSeries, DatedMoneySpecification, EducationalOccupationalProgram, Event, MerchantReturnPolicySeasonalOverride, Role, Schedule	NA	Text
↳ temporalCoverage.temporalType	NA	NA	Text
url	URL	URL	NA
variableMeasured	PropertyValue, Text	PropertyValue, Text	NA
version	Number, Text	Number, Text	NA

Table 2. Comparison of three common Dataset schema specifications: Schema.org, Google Datasets, and the infectious disease-specific NIAID SysBio Dataset. Properties required in the schema are denoted by red text with (*). Note that Schema.org has additional properties not included in either Google Datasets or NIAID SysBio schemas which are omitted for simplicity. Table 3 provides an extended crosswalk between the NIAID SysBio Dataset schema and other commonly used schemas.