

NORS Data Dictionary for Flat Files - All Variables

Download variable order	Variable Name	Form-Page and Section
1	CDCID	Page 1, CDC Use Only
2	eFORSID	N/A
3	StateID	Page 1
4	NORSUserID	N/A
5	RecordStatus	N/A
6	CDCStatus	N/A
7	CDCWaterStatus	N/A
8	StartTimeStamp	N/A
9	FinalTimeStamp	N/A
10	PrimaryMode	Page 1, Primary mode of transmission
11	DateFirstIll	Page 1, Dates
12	DateLastIll	Page 1, Dates
13	InitialExposure	Page 1, Dates
14	LastExposure	Page 1, Dates
15	CDCReportDate	N/A
16	LocalReportDate	Page 1, Dates
17	DateInvestigation	Page 1, Dates

18	StateIsExposure_#	Page 1, Geographic Location
19	State_#	Page 1, Geographic Location
20	StateCount_#	N/A
21	StateFlag	N/A
22	MultiStateExposure	Page 1, Geographic Location
23	MultiStateResidence	Page 1, Geographic Location
24	CountyIsExposure_#	Page 1, Geographic Location
25	County_#	Page 1, Geographic Location
26	CountyFlag	N/A
27	MultiCountyExposure	Page 1, Geographic Location
28	MultiCountyResidence	Page 1, Geographic Location
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30	LandTribalLand	Page 1, Geographic Location
31	LandNatPark	Page 1, Geographic Location
32	LandOthFed	Page 1, Geographic Location
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36	EstimatedPrimary	Page 1, Primary Cases

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43	YearProbableIll	Page 1, Primary Cases
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50	Age50to64	Page 2, Primary Cases
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54	AgeIsPercent	N/A
55	Symptom_#	Page 2, Primary Cases

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57	SymptomInfo_#	Page 2, Primary Cases
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59	IncUnknown	Page 2, Primary Cases
60	IncShort	Page 2, Primary Cases
61	IncShortUnit	Page 2, Primary Cases
62	IncMedian	Page 2, Primary Cases
63	IncMedianUnit	Page 2, Primary Cases
64	IncLong	Page 2, Primary Cases
65	IncLongUnit	Page 2, Primary Cases
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68	DurShort	Page 2, Primary Cases
69	DurShortUnit	Page 2, Primary Cases
70	DurMedian	Page 2, Primary Cases
71	DurMedianUnit	Page 2, Primary Cases
72	DurLong	Page 2, Primary Cases
73	DurLongUnit	Page 2, Primary Cases
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78	ERInfo	Page 2, Primary Cases
79	IHSNum	Page 2, Primary Cases
80	IHSInfo	Page 2, Primary Cases
81	DeathsNum	Page 2, Primary Cases
82	DeathsInfo	Page 2, Primary Cases
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84	HospitalInfo	Page 2, Primary Cases
85	HUSNum	Page 2, Primary Cases
86	HUSInfo	Page 2, Primary Cases
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94	HomelessInfo	Page 2, Primary Cases
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160	EtiologyFlag	N/A
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185	RecWaterType	N/A
186	RecVenue_#	Page 6, Settings
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188	RecSetting_#	Page 6, Settings
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190	RecTreatmentDescription_#	Page 6, Settings

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381	IsolateFlag	N/A
382	WaterSampleFlag	N/A
383	WaterSampleSourceFlag	N/A
384	WaterIndicatorFlag	N/A
385	WaterAnalysisFlag	N/A
386	ReportingSite	N/A
387	AgencyName	N/A
388	AgencyContact	N/A
389	AgencyTitle	N/A
390	AgencyEmail	N/A
391	AgencyPhone	N/A
392	CDCRemarks	N/A
393	References	N/A
394	Attachment_#	N/A
395	AttachmentName_#	N/A
396	AttachmentUploadDate_#	N/A
397	AttachmentFlag	N/A
398	RecWaterTreatmentFlag	N/A
399	FillWaterFlag	N/A
400	Strength	N/A

401	MonthOnset	N/A
402	YearOnset	N/A
403	PublicationDate	N/A
404	CDCWaterCategory	N/A
405	ConfirmedIn	N/A
406	AgentCodeBacterial	N/A
407	AgentCodeFungal	N/A
408	AgentCodeViral	N/A
409	AgentCodeChemical	N/A
410	AgentCodeParasitic	N/A
411	AgentCodeOther	N/A
412	AgentCodeUnknown	N/A
413	IllnessAGI	N/A
414	IllnessARI	N/A
415	IllnessSkin	N/A
416	IllnessEye	N/A
417	IllnessEar	N/A
418	IllnesHep	N/A
419	IllnessLD	N/A
420	IllnessLepto	N/A

421	IllnessNeuro	N/A
422	IllnessPF	N/A
423	IllnessWound	N/A
424	IllnessLeg	N/A
425	IllnessOther	N/A
426	Deficiency1	N/A
427	Deficiency2	N/A
428	Deficiency3	N/A
429	Deficiency4	N/A
430	Deficiency5A	N/A
431	Deficiency5B	N/A
432	Deficiency5C	N/A
433	Deficiency6	N/A
434	Deficiency7	N/A
435	Deficiency8	N/A
436	Deficiency9	N/A
437	Deficiency10A	N/A
438	Deficiency10B	N/A
439	Deficiency11A	N/A
440	Deficiency11B	N/A

441	Deficiency11C	N/A
442	Deficiency11D	N/A
443	Deficiency11E	N/A
444	Deficiency12	N/A
445	Deficiency13A	N/A
446	Deficiency13B	N/A
447	Deficiency99A	N/A
448	Deficiency99B	N/A
449	Deficiency99C	N/A
450	Deficiency99D	N/A
451	OutbreakSummary	N/A
452	Coliform	N/A
453	ColiformCode	N/A
454	DisinfectionCode	N/A
455	AgeLessThan1	N/A
456	Age1to4	N/A
457	Age5to19	N/A
458	Age20to49	N/A
459	AgeGreaterThanEqual50	N/A
460	AgeUnknown	N/A

461	IllExposed	N/A
462	Total	N/A
463	FoodImplicatedID_#	N/A
464	MethodOfPreparationName1_#	N/A
	MethodOfPreparationName2_#	
	MethodOfPreparationName3_#	
469	IssueStatus	N/A
470	IssueName	N/A
471	IssueResponse	N/A
472	IssueDescription	N/A

NumberAge10to19
PercentAge10to19
NumberAge20to49
PercentAge20to49
NumberAge50to74
PercentAge50to74
TracebackComments1
TracebackComments2
TracebackComments3
TracebackConfirmed1 -
TracebackConfirmed99
TracebackContaminationPoint1 -
TracebackContaminationPoint99
TracebackEnv1 - TracebackEnv99
TracebackOther1 - TracebackOther99
TracebackEpi1 - TracebackEpi99

TracebackLab1 - TracebackLab99

TracebackTrace1 -TracebackTrace99

SampleTypeAnimalNum

SampleTypeFoodNum

SampleTypeWaterNum

SampleTypeOtherNum

NumberLabConfirmed1

NumberLabConfirmed2

NumberLabConfirmed3

StateLabID1

StateLabID2

StateLabID3

OtherMolecularDesignation1

OtherMolecularDesignation2

OtherMolecularDesignation3

SpecimenID1

SpecimenID2

SpecimenID3

ArchivedSpecimensTaken

ArchivedNumberSpecimens

ArchivedSampleTypeHumanNum

ArchivedSampleTypeAnimalNum

ArchivedSampleTypeFoodNum

ArchivedSampleTypeWaterNum

ArchivedSampleTypeOtherNum

ArchivedTestedBacteria

ArchivedTestedViruses

ArchivedTestedParasites

ArchivedTestedChemicals

ArchivedTestedUnknown

ArchivedASTPerformed

ArchivedASTWhereClinical

ArchivedASTWherePHLab

ArchivedASTWhereOther

ArchivedASTWhereUnknown

ArchivedASTOutbreak

FoodExposed1

FoodExposed2

FoodExposed3

ProduceAndSold1

ProduceAndSold2

ProduceAndSold3

ArchivedTotalExpFood

WhereEatenName1

WhereEatenName2

WhereEatenName3

WhereEatenComments

KitchenManager

ContaminationPoint

BeforePrepPreHarvest

BeforePrepProcessing

BeforePrepUnknown

EnvironmentalEvidence

EpidemiologyEvidence

LabEvidence

PriorExperience

FoodWorkerImplicatedName

TotalEnrollment

UnknownEnrollmentNumber

SchoolFundingName

SchoolFoodPrepName1

SchoolFoodPrepName2

SchoolFoodPrepName3

SchoolInspectedName

HACCP

NationalSchoolProgram

FoodItemPurchasedDonatedBy

PercentageGBConsumed

CaseReady

GBReground

GBRegroundComment

ArchivedPHAGETYPE1

ArchivedPHAGETYPE2

ArchivedPHAGETYPE3

ArchivedRDNCNumber1

ArchivedRDNCNumber2

ArchivedRDNCNumber3

EggName1

EggName2

EggName3

SEFoundOnFarm

EggComment

OtherSetting1
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OtherSetting3
OtherSetting4
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ShigTravel

ShigTravelType

ShigImmun

ShigMSM

AnimalTypeSpecify1
AnimalTypeSpecify2
AnimalTypeSpecify3

AnimalSetting1
AnimalSetting2
AnimalSetting3
AnimalLivestockPet

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ComparisonGroup

TotalExposed1
 TotalExposed2
 TotalExposed3
IIIExposed1
 IIIExposed2
 IIIExposed3
 NotExposed3
 NotExposed4
 NotExposed5
IIINotExposed1
 IIINotExposed2
 IIINotExposed3
OddsRatio1
 OddsRatio2
 OddsRatio3
RelativeRisk1
 RelativeRisk2
 RelativeRisk3
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AttackRateNonRes

InReportingState

EventStart

EventEnd

RouteIngestion

RouteContact

RouteInhalation

RouteOther

RouteUnknown

EtiologyCapsid1
EtiologyCapsid2
EtiologyCapsid3
EtiologyDetectedIn1
 EtiologyDetectedIn2
 EtiologyDetectedIn3
TotalTested1
 TotalTested2
TotalPositive1
TotalPositive2
 TotalPositive3
CDCLabSystem1
CDCLabSystem2
 CDCLabSystem3
CDCLabSystemID1
CDCLabSystemID2
CDCLabSystemID3
StateLabSystemID1
 StateLabSystemID2
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SpecimenCount

SpecimenType1
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EtiologyTestCulture

EtiologyTestPCR

EtiologyTestMicro

EtiologyTestSero

EtiologyTestTissue

EtiologyTestOther

EtiologyTestUnknown

ASTSetting1

ASTSetting2

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SampleDescription1

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SampleDescription3

SampleDate1

SampleDate2

SampleDate3

SampleAnalysisConcentration1 -

SampleAnalysisConcentration99

SampleAnalysisConcentrationUnit1 -

SampleAnalysisConcentrationUnit99

SampleCapsid1 - SampleCapsid99

SampleNumber1 - SampleNumber99

SampleNumberAnalysis1 -

SampleNumberAnalysis99

SampleNumberIndicator1 -

SampleNumberIndicator99

SampleCombinedDisinfectantLevel1 -

SampleCombinedDisinfectantLevel99

SampleCombinedDisinfectantLevelUnit1 -
SampleCombinedDisinfectantLevelUnit99

SampleGenotypeSubtype1 -
SampleGenotypeSubtype99

SampleGenusChemicalToxin1 -
SampleGenusChemicalToxin99

SampleIndicatorConcentration1 -
SampleIndicatorConcentration99

SampleIndicatorConcentrationUnit1 -
SampleIndicatorConcentrationUnit99

SamplePFGEPattern1 -
SamplePFGEPattern99

SamplepH1 - SamplepH99

SamplePolymerase1 -
SamplePolymerase99

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SampleResidualDisinfectantLevel99

SampleResidualDisinfectantLevelUnit1 -
SampleResidualDisinfectantLevelUnit99

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SampleSerotypeSerogroupSerovar1 -
SampleSerotypeSerogroupSerovar99

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SampleTemperature99

SampleTemperatureUnit1 -
SampleTemperatureUnit99

SampleTestMethod1 -
SampleTestMethod99

SampleTestType1 -
SampleTestType99

SampleTurbidity1 -
SampleTurbidity99

SampleVolumeTested1 -
SampleVolumeTested99

SampleVolumeTestedUnit1 -
SampleVolumeTestedUnit99

SampleWaterQualityType1 -
SampleWaterQualityType99

SerotypeName1 - SerotypeName99

TestedForBacteria1 -
TestedForBacteria99

TestedForChemicals1 -
TestedForChemicals99

TestedForFungi1 - TestedForFungi99

TestedForOther1 - TestedForOther99

TestedForParasites1 -
TestedForParasites99

TestedForUnknown1 -
TestedForUnknown99

TestedForViruses1 -
TestedForViruses99

TreatmentNumber1 -
TreatmentNumber99

SpeciesName1 - SpeciesName99

Chlorination2_5

Chlorination3_5

Chlorination4_5

IntendedUse1

IntendedUse2

IntendedUse3

TreatmentFactor

DistributionFactor

TestedBacteria

TestedViruses

TestedParasites

TestedChemicals

TestedUnknown	
TestTypeChemical	
TestTypeCulture	
TestTypePCR	
TestTypeMicro	
TestTypeSero	
TestTypeTissue	
TestTypeOther	
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ASTWherePHLab	
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 SpecimenTestedBacteria3
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SpecimenTestedChemicals3
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 SpecimenTestedFungi2
 SpecimenTestedFungi3
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SpecimenTestedParasites2
 SpecimenTestedParasites3
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 SpecimenTestedViruses2
 SpecimenTestedViruses3
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 SpecimenTestedOther2
 SpecimenTestedOther3
SpecimenTestedUnknown1
 SpecimenTestedUnknown2
 SpecimenTestedUnknown3
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WaterTested

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Volume3
VolumeUnit1
 VolumeUnit2
 VolumeUnit3

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TempUnit1
TempUnit2
TempUnit3
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Residual3
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ResidualUnit2
ResidualUnit3
Combined1
Combined2
Combined3
CombinedUnit1
CombinedUnit2
CombinedUnit3
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pH2
pH3
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Turbidity2
Turbidity3
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IndicatorType2_1
IndicatorType3_1
IndicatorConc1_1
IndicatorConc2_1
IndicatorConc3_1
IndicatorUnit1_1
IndicatorUnit2_1
IndicatorUnit3_1
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AnalysisGenus2_1
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AnalysisSpecies3_1
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AnalysisSero2_1
AnalysisSero3_1
AnalysisGeno1_1
AnalysisGeno2_1
AnalysisGeno3_1
AnalysisPolymerase1_1
AnalysisPolymerase2_1
AnalysisPolymerase3_1
AnalysisCapsid1_1
AnalysisCapsid2_1
AnalysisCapsid3_1
AnalysisPFGE1_1
AnalysisPFGE2_1
AnalysisPFGE3_1
AnalysisPositive1_1
AnalysisPositive2_1
AnalysisPositive3_1
AnalysisConc1_1
AnalysisConc2_1
AnalysisConc3_1

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AnalysisUnit2_1	
AnalysisUnit3_1	
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UntreatedEPA	
UntreatedEPAText	
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WaterTypeID_#	N/A
WaterExposureID_#	N/A
CountyCount_#	N/A

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Description

The CDCID is an autogenerated unique ID that represents a single NORS report. Links record from a single NORS report across all tables of the flattened database.

This is the unique ID previously assigned to a report originally entered in eFORS. All previous eFORS reports have been migrated into NORS.

The report ID entered by the reporting site. The StateID is unique to each report created by a NORS reporting agency.

User ID of the person who created the report.

Indicate whether the report is active, finalized, or deleted.

NORS value for internal data management processes. Indicate whether a report has been excluded (e.g., due to multistate consolidation), cleaned, or closed out (data cleaning status applied for NORS reports for some primary modes).

NORS value that indicates whether CDC has classified a waterborne disease outbreak report as excluded, cleaned, or closed out as a result of routine data cleaning and review activities.

Date NORS report was created.

Date NORS report was most recently finalized, if any.

Primary mode of transmission.

Earliest date of reported illness onset.

Latest date of reported illness onset.

Earliest date of reported exposure.

Latest date of reported exposure.

Date reported to CDC other than the NORS report.

Date reported to local authorities.

Date the outbreak investigation began.

Indicate if this is a state where the exposure occurred.

Name of each state involved in the outbreak. If multiple states were involved but there was only one exposure state, it will be included in the list of states.

The case count for each state for multistate exposure or multistate residency outbreaks. This information can be entered on the reporting form when additional states are reported as part of a multistate exposure or multistate residency outbreak.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Exposure occurred in multiple states/reporting sites. See "State" variable for list of states involved.

Cases resided in multiple states/reporting sites. See "State" variable for list of states involved.

Indicate if this is a county where the exposure occurred. If yes, this must be a county in the exposure state.

Name of each county involved in the outbreak. If multiple counties were involved but there was only one exposure county, it will be included in the list of counties.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Exposure occurred in multiple counties. See "County" variable for list of counties involved.

Exposure occurred in a single county, but cases resided in another county or multiple counties. See "County" variable for list of counties involved.

Type of land does not apply.

Exposure occurred on tribal land.

Exposure occurred in a national park.

Exposure occurred on federal land not specified in the list.

Name of city, town, or place of exposure.

Number of laboratory-confirmed primary cases.

Number of probable primary cases.

Estimated total number of primary cases, including lab-confirmed and probable.

Number of primary cases who identify as male.

Number of primary cases who identify as female.

Number of primary cases of unknown sex.

Indicate if sex is represented by the percentage of primary cases of each sex. If false, sex is represented by a number, not a percent.

The year of the outbreak for which the illnesses occurred.

Number of lab-confirmed cases for the year.

Number of probable ill cases for the year.

Total number of primary cases for the year.

Number of primary cases age less than one year.

Number of primary cases age one to four years.

Number of primary cases age five to nine years.

Number of primary cases age 10 to 17 years.

Number of primary cases age 18 to 49 years.

Number of primary cases age 50 to 64 years.

Number of primary cases age 65 to 74 years.

Number of primary cases equal to or over 75 years of age.

Number of primary cases of unknown age.

Indicate if age is represented by the percentage of primary cases of each age. If false, age is represented by a number, not a percent.

Name of sign or symptom.

Number of cases with sign or symptom specified in the corresponding 'Symptom' field.

Total number of cases for whom information is available for the symptom specified in the corresponding 'Symptom' field.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Information on incubation period is unknown.

Shortest incubation period, in selected units.

Units of shortest incubation time.

Median incubation period, in selected units.

Units of median incubation time.

Longest incubation period, in selected units.

Units of longest incubation time.

Number of primary cases for whom information on incubation period is available.

Indicate if information on duration of illness is unknown.

Shortest duration time, in selected units.

Units of shortest duration time.

Median duration time, in selected units.

Units of median duration time.

Longest duration time, in selected units.

Units of longest duration time.

Number of primary cases for whom information on duration of illness is available.

Number of primary cases who visited a health care provider.

Total number of primary cases for whom information on health care visit is available.

Number of primary cases who visited an emergency room.

Total number of primary cases for whom information on emergency room visit is available.

Number of primary cases who visited an Indian Health Service (IHS) or tribal facility.

Total number of primary cases for whom information on IHS or tribal facility visit is available.

Number of primary cases who died.

Total number of primary cases for whom information on survival is available.

Number of primary cases who were hospitalized.

Total number of primary cases for whom information on hospitalization is available.

Number of primary cases with hemolytic uremic syndrome (HUS).

Total number of primary cases for whom information on HUS is available.

Number of primary cases with a disseminated infection.

Total number of primary cases for whom information on disseminated infection is available.

Number of primary cases with a pregnancy loss.

Total number of known primary cases who are pregnant.

Number of primary cases who attended or worked in child daycare.

Total number of primary cases for whom information on child daycare is available.

Number of primary cases who were experiencing homelessness.

Total number of primary cases for whom information on homelessness is available.

Number of primary cases exposed in the workplace.

Total number of primary cases for whom information on workplace exposure is available.

Number of primary cases who were immunocompromised.

Total number of primary cases for whom information on immunocompromised status is available.

Number of adult male primary cases who report sexual contact with another male.

Total number of known male primary cases.

Indicate if any primary cases traveled domestically for at least one night away from their primary residence.

Indicate if any primary cases traveled internationally for at least one night away from their primary residence.

For food outbreaks, indicate if the outbreak was associated with the source case-patient traveling internationally.

Remarks about case characteristics.

Indicate whether foodborne transmission was a secondary mode of transmission.

Indicate whether waterborne transmission was a secondary mode of transmission.

Indicate whether animal contact was a secondary mode of transmission.

Indicate whether person-to-person transmission was a secondary mode of transmission.

Indicate whether an environmental exposure was a secondary mode of transmission.

Indicate whether an indeterminate or unknown mode was a secondary mode of transmission.

Number of laboratory-confirmed secondary cases.

Number of probable secondary cases.

Total number of laboratory-confirmed and probable secondary cases.

Sum of all primary and secondary cases reported in the EstimatedPrimary and TotalSecondary fields.

Number of secondary cases who died.

Total number of secondary cases for whom information on death is available.

Number of secondary cases who were hospitalized.

Total number of secondary cases for whom information on hospitalization is available.

Number of secondary cases with hemolytic uremic syndrome (HUS).

Total number of secondary cases for whom information on HUS is available.

Indicate whether any specimens or environmental, food, or water samples were collected and tested.

Indicate whether human samples were tested.

Number of persons from whom clinical specimens were collected, if clinical diagnostic specimens were collected.

Indicate whether food workers were tested.

Indicate whether animal samples were tested.

Indicate whether food samples were tested.

Indicate whether water samples were tested.

Indicate whether other environmental samples were tested.

Specify other environmental sample types.

Indicate what the human sample was tested for (e.g., bacteria, viruses).

Indicate what the animal/food/water/other environmental sample was tested for (e.g., bacteria, viruses).

Indicate the type of test used for the human sample.

Indicate the type of test used for the animal/food/water/other environmental sample.

Indicate if CDC NARMS performed antimicrobial susceptibility testing.

Indicate which of the following sampling locations were tested.

Indicate whether environmental sampling results implicate water as the primary mode of transmission.

If 'WaterEnvSampImp' = "Yes", indicate if environmental sampling results implicate the vehicle(s) of transmission.

Environmental sampling results (e.g., Fecal indicators, pH, Temperature, Turbidity, Residual/free disinfectant, Combined disinfectant, Etiologic agent(s), Other).

Indicate if there are supporting environmental sampling results.

Describe relevant environmental sampling results (e.g., fecal indicators identified in well water on [insert date]).

Indicate if historical or other environmental health evidence implicate water as the primary mode of transmission.

If 'WaterHisImp' = "Yes", indicate historical or environmental health evidence that implicated water as the mode of transmission.

Indicate if you have environmental sampling results to attach to this report.

Indicate that there is at least one confirmed or suspected outbreak etiology (based on either laboratory confirmation or epidemiological evidence).

Genus of the identified etiology.

Species of the identified etiology.

Subtype (e.g., serotype, genotype).

Other characteristics of the identified etiology specified in the corresponding 'GenusName' field.

Total number of primary cases testing positive by culture, CIDT, or any other test.

Number of positive culture confirmed primary cases.

Number of CIDT positive only primary cases.

Indicate whether the etiology in the corresponding 'GenusName' field was identified/detected in a patient specimen.

Indicate whether the etiology in the corresponding 'GenusName' field was identified/detected in a food specimen.

Indicate whether the etiology in the corresponding 'GenusName' field was identified/detected in a environmental specimen.

Indicate whether the etiology in the corresponding 'GenusName' field was identified/detected in a food worker specimen.

Indicate whether the etiology specified in the corresponding 'GenusName' field was identified/detected in a water sample.

Indicate whether the etiology in the corresponding 'GenusName' field was identified/detected in an animal specimen.

Indicate whether the etiology listed in the corresponding 'GenusName' field is confirmed or suspected.

Indicate whether the listed etiology is bacterial, chemical, viral, parasitic, or hepatitis. Value is automatically assigned for analysis purposes.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

The CDC laboratory system with associated isolate or specimen data for the isolate listed in the corresponding 'StateLabID' field.

State Lab Sample ID assigned by state lab.

CDC assigned laboratory ID (CaliciNet key, Accession ID, or PulseNet key).

The CDC lab outbreak ID for the isolate listed in the corresponding 'StateLabID' field.

Indicate the CDC PulseNet pattern designation for an enzyme for an isolate (set #). E.g., Enzyme1_3 indicates the first PulseNet pattern designation for enzyme for the third isolate.

Indicate the CDC PulseNet pattern designation for an enzyme for an isolate (set #). E.g., Enzyme2_3 indicates the second PulseNet pattern designation for an enzyme for the third isolate.

Other molecular designation/CaliciNet sequenced region for the isolate listed in the corresponding 'StateLabID' field.

Other molecular designation/CaliciNet genotype for the isolate listed in the corresponding 'StateLabID' field.

Source or sample type for the specimen from the PulseNet or CaliciNet database.

Polymerase of the norovirus etiology indicated in the corresponding 'GenusName' field.

Capsid of the norovirus etiology indicated in the corresponding 'GenusName' field.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Name of major setting where exposure occurred for person-to-person, environmental contamination, and indeterminate/unknown mode outbreaks.

Setting where exposure occurred. For foodborne outbreaks, this is the location where food was eaten. For person-to-person, environmental contamination, and indeterminate/unknown mode outbreaks, this is any setting(s) of exposure in addition to the major setting of exposure.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Remarks field for additional information about settings of exposure for all modes except water.

Location where the implicated food was prepared.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Remarks field for additional information about the location of preparation of the implicated food.

The implicated type of water exposure was treated recreational water.

The implicated type of water exposure was untreated recreational water.

The implicated type of water exposure was drinking water.

The implicated type of water exposure was an other or environmental exposure to water.

The implicated type of water exposure was an undetermined exposure to water.

Indicate type of recreational water (e.g., treated, untreated).

Water venue of exposure (e.g., hot tub/spa/whirlpool; pool - other swimming pool; hot spring).

Water venue subtype (i.e. indoor, outdoor, or unknown).

Setting of exposure (e.g., hotel/motel).

Indicate how the water in the venue was treated (e.g., no treatment, disinfection, home filtration).

Indicate additional description of the treatment used at a recreational water venue.

Indicate the chlorine stabilizer levels in the venue at the time of the outbreak, when 'RecTreatmentDescription' = 'Cyanuric Acid' or 'Dichlor/Trichlor'.

Water system (e.g., commercially-bottled water, community water system, individual water system).

Public water system EPA ID number which is an identification number assigned by the EPA to public water systems.

Water source (e.g., ground water, surface water or unknown).

Water source description (e.g. spring; well; lake).

Indicate how the water in the system was treated (e.g., no treatment, disinfection, home filtration).

Indicate additional description of the treatment used at a drinking water venue.

Setting of exposure (e.g., hotel/motel).

Indicate other type of water (e.g., other exposures to water, including other environmental exposures to water).

Indicate the system or source of the water (e.g., cooling tower; drainage ditch; fountain - ornamental).

Setting of exposure (e.g, hotel/motel).

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Indicate if the water system/source was treated to reduce or prevent the risk of disease transmission.

Indicate how the water in the system/source was treated.

Remarks for additional information about water setting of exposure.

Indicate if the exposure was associated with a specific event or gathering.

Indicate the type of event or gathering, if the outbreak exposure was associated with a specific event or gathering.

Indicate the type(s) of care affected by the long-term care outbreak (e.g., nursing home/skilled nursing, assisted living, independent living, intermediate care, memory care, other).

Indicate if the outbreak involved one or more schools.

Number of schools if multiple schools were involved in the outbreak.

Indicate grade level of the students in the outbreak.

Number of involved schools with public funding.

Number of involved schools with private funding.

Number of involved schools with unknown or undetermined funding.

Name of correctional/detention facility where outbreak exposure occurred.

Indicate whether correctional/detention facility is run by the government, by a privately contracted business, or unknown.

Indicate type of correctional/detention facility.

Indicate whether inmate food workers were involved in food preparation.

Indicate whether other food workers were involved in food preparation.

Indicate whether inmate food workers were implicated in food worker contamination as a contributing factor.

Indicate whether other food workers were implicated in food worker contamination as a contributing factor.

Number of residents, guests, attendees, patients, etc. who were exposed in the major setting.

Number of staff, crew, etc. who were exposed in the major setting.

Number of residents, guests, attendees, patients, etc. who were exposed in the major setting and became ill during the outbreak.

Number of staff, crew, etc. who were exposed in the major setting and became ill during the outbreak.

The attack rate among residents and guests, calculated by dividing the number of residents and guests ill by the number exposed.

The attack rate among staff and crew, calculated by dividing the number of staff and crew ill by the number exposed.

Indicate if an animal vehicle was not identified for the outbreak.

If animal vehicle undetermined, indicate reason(s) supporting animal contact as the mode of transmission (e.g., epidemiologic evidence, laboratory evidence, environmental evidence, traceback investigation, other).

Specify the animal type.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Indicate whether the animal vehicle specified in the corresponding 'AnimalType' field was confirmed or suspected.

Indicate reason suspected or confirmed for the animal vehicle (e.g., laboratory, environmental, epidemiologic, traceback, other).

Indicate whether the animal experienced a diarrheal illness.

Indicate whether the animal was imported into the U.S.

If the animal was imported into the U.S., indicate the country of source.

Indicate if any of the animal(s) implicated in the outbreak met any of the following criteria.

Number of animals involved in the outbreak.

Indicate if the number of animals in the outbreak was unknown.

Number of animals that died during the outbreak period of interest.

Indicate if the number of animals that died during the outbreak period of interest was unknown.

Number of animals that died as a result of the outbreak-associated illness.

Indicate if the number of animals that died as a result of the outbreak-associated illness was unknown.

Indicate whether the animal's living environment was implicated as a potential source of the outbreak.

If any outbreak-associated case-patients were exposed in the workplace, indicate the occupation(s) of primary cases exposed in the workplace (e.g., farm/dairy worker, pet store worker, agricultural store worker, processing plant/slaughterhouse worker, other).

Indicate whether pet food or animal feed was implicated as a potential source of the outbreak.

Indicate the type of pet food implicated.

Indicate whether the "Compendium of Measures to Prevent Disease Associated with Animals in Public Settings" was used during the investigation.

Animal remarks/comments.

Number of cases treated with systemic antibacterial medication before fungal infection was diagnosed.

Total number of cases for whom information on systemic antibacterial use before fungal diagnosis is known.

Number of cases treated with systemic antifungal medication.

Total number of cases for whom information on systemic antifungal use is known.

Indicate whether environmental samples were collected.

If environmental samples were collected, indicate the results.

Indicate which contributing factors were involved in the fungal disease outbreak.

Specify birds, bats, or other as a contributing factor involved in the fungal disease outbreak.

Major industry of occupational exposure.

Occupation of persons with occupational exposure.

Number of cases that wore PPE at any time during the suspected exposure.

Total number of cases for whom information on PPE use is known.

Specify type of PPE.

Indicate if a food vehicle was not identified for the outbreak.

If food vehicle undetermined, indicate reason(s) supporting foodborne as the mode of transmission (e.g., epidemiologic evidence, laboratory evidence, environmental evidence, traceback investigation, other).

Name of the implicated food suspected or investigated.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Indicate whether the food vehicle specified in the corresponding 'FoodName' field was confirmed or suspected.

Indicate reason suspected or confirmed for the implicated food.

Indicate the ingredient name for the implicated food suspected or investigated.

For the implicated food in the corresponding 'IngredientName' field, indicate if the ingredient was the contaminated ingredient.

For the implicated food in the corresponding 'FoodName' field, indicate method of processing.

For the implicated food in the corresponding 'FoodName' field, indicate level of preparation.

For the implicated food in the corresponding 'FoodName' field, indicate method of preparation.

For the implicated food in the corresponding 'FoodName' field, indicate the type of packaging.

Indicate if the implicated food in the corresponding 'FoodName' field was imported into the U.S.

If the contaminated food was imported, indicate the name of the country, if known.

Indicate if the product was produced under U.S. domestic regulatory oversight (e.g., yes, federal; yes, state only; no; unknown).

Indicate if the product was sold under U.S. domestic regulatory oversight (e.g., yes, federal; yes, state only; no; unknown).

Indicate whether a certified food protection manager was at the location of preparation.

If the location of preparation has a certified food protection manager, indicate whether the certified food protection manager is on site during all hours of operation.

Indicate if food worker was implicated as a source of contamination.

Indicate if contributing factors are unknown.

If no contamination factor available to enter, indicate the reason why (e.g., N/A, Unknown, None identified).

Name of contributing factor.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Type of contributing factor.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

CF occurred at the point of final prep/sale.

CF occurred pre-harvest.

CF occurred post-harvest.

CF occurred before point of final sale, but unknown if pre or post harvest.

Unknown where CF was noted.

If no proliferation factor available to enter, indicate the reason why (e.g., N/A, unknown, none identified).

If no survival factor available to enter, indicate the reason why (e.g., N/A, unknown, none identified).

Remarks about contributing factors.

Company name for the traceback.

Company type for the traceback listed in the corresponding 'TracebackName' field.

U.S. state for the source in the traceback listed in the corresponding 'TracebackName' field.

Country for the source in the traceback listed in the corresponding 'TracebackName' field.

Indicate which traceback findings the traceback point represents (e.g., source of contamination, amplified contamination, point of service or sale, etc.).

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Indicate which federal agencies were involved in the traceback investigation (e.g., CDC, FDA, USDA/APHIS, USDA/FSIS, other, oone).

Indicate whether a food product was recalled.

Exact item recalled.

Link to official recall announcement.

Comments about the recall.

Estimated total number of persons with primary water exposure.

Indicate if epidemiologic data supported implicating water as the outbreak exposure.

Indicate if clinical laboratory data supported implicating water as the outbreak exposure.

Indicate if environmental health data supported implicating water as the outbreak exposure.

Indicate if prior experience supported implicating water as the outbreak exposure.

Indicate if data were collected to estimate association in a waterborne disease outbreak.

If response to 'EstimatedRisk' = no or unknown, indicate if water was the common source shared by persons who were ill.

A vehicle of pathogen transmission, such as an exposure (e.g., swimming pool use) or setting (e.g., hotel stay), measured in an epidemiologic study.

The attack rate for the exposure in the epidemiologic study. Attack rate is the proportion of exposed persons who became ill out of the total number of people exposed.

The effect measure value, with reference to a vehicle of transmission in a waterborne disease outbreak specified in the corresponding 'EpiExposure' field.

The type of effect measure reported, with reference to a vehicle of transmission in a waterborne disease outbreak specified in the corresponding 'EpiExposure' field.

The p-value for the effect measure with reference to the vehicle of transmission indicated in the corresponding 'EpiExposure' field.

The confidence interval for the effect measure, with reference to the vehicle of transmission indicated in the corresponding 'EpiExposure' field.

Remarks field for additional information about the waterborne disease outbreak investigation.

Indicate specific characteristics of the facility where a waterborne disease outbreak occurred when Legionella or other biofilm-associated pathogens are implicated as the etiology.

Remarks about facility characteristics in a facility where a waterborne disease outbreak occurred when Legionella or other biofilm-associated pathogens are implicated as the etiology.

Indicate if the facility had a water management program in place at the time of the outbreak.

Indicate elements included in water management program of the facility where a waterborne disease outbreak occurred when Legionella or other biofilm-associated pathogens are implicated as the etiology.

Indicate who designed the water management program for the facility where a waterborne disease outbreak occurred when Legionella or other biofilm-associated pathogens are implicated as the etiology.

Indicate if recommendations were provided to the facility to decrease the risk of Legionella exposure in a facility where a waterborne disease outbreak occurred when Legionella or other biofilm-associated pathogens are implicated as the etiology.

If recommendations were provided, indicate which recommendations were given to the facility where a waterborne disease outbreak occurred when Legionella or other biofilm-associated pathogens are implicated as the etiology.

Indicate if samples were tested for Legionella at a laboratory participating in a national proficiency program (e.g., ELITE, ELAP, AIHA).

Remarks about biofilm-associated pathogens section.

Indicate if water venue(s) were inspected in the 6 months prior to the outbreak.

Remarks field for additional information about the treated recreational water outbreak investigation.

A contributing factor reported for any type of waterborne disease outbreak in NORS.

Indicates whether additional information is available in NORS and was not downloaded due to size restrictions.

Indicate if the contributing factor was documented/observed or suspected.

Indicate the water factor type associated with the corresponding WaterFactor (e.g., drinking, untreated, treated, other).

Indicate the factor group that the contributing factor corresponds to (e.g., people, environment, policy and management, maintenance, etc.).

Indicate if venue met recreational water quality standards at the time of the outbreak.

Indicate if microbiological water quality testing results were collected in the 3 months before the outbreak.

Remarks field for additional information about the untreated recreational water outbreak investigation.

Indicate if the drinking water system had any monitoring violations in the 1 month prior to the outbreak.

Additional description if drinking water system had monitoring violations in the 1 month prior to the outbreak.

Indicate if the drinking water system had any maximum contaminant level (MCL) violations in the 1 month prior to the outbreak.

Additional description if drinking water system had MCL violations in the 1 month prior to the outbreak.

Indicate if the drinking water system had any violations in the 12 months prior to the outbreak.

Additional description if the drinking water system had any violations in the 12 months prior to the outbreak.

Remarks fields for additional information about the drinking water outbreak investigation.

Indicate if there was a problem with the quality of the source water.

Indicate if the water quality was affected by a problem occurring with the water treatment or within the distribution system before entry into a building or house.

Indicate if the water quality was affected by a problem occurring after the water meter or outside the jurisdiction of a water utility.

Indicate how the exposure(s) to the water system/source occurred.

Other exposures to water remarks.

Indicate if treated recreational water exposure was a suspected exposure for an undetermined exposure to water outbreak.

Indicate if untreated recreational water exposure was a suspected exposure for an undetermined exposure to water outbreak.

Indicate if drinking water exposure was a suspected exposure for an undetermined exposure to water outbreak.

Indicate if other or environmental exposure to water was a suspected exposure for an undetermined exposure to water outbreak.

Indicate if there was not an identified water exposure for an undetermined exposure to water outbreak.

Remarks field for additional information about the suspected exposure in an undetermined exposure to water outbreak investigation.

Indicate if contributing factors were documented or suspected in an undetermined exposures to water outbreak investigation.

Remarks field for contributing factors for undetermined exposure to water outbreaks.

Indicate how the outbreak was initially detected.

Name of epidemiologic investigation methods used to investigate outbreak.

Name of environmental investigation methods used to investigate outbreak.

Name of traceback investigation methods used to investigate outbreak.

Indicate additional comments related to investigation methods.

Indicates whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

This field is used to link NORS reports to environmental health investigation reports in the National Environmental Assessment Reporting System (NEARS) (formerly Environmental Health Specialists Network).

This field is used to link NORS reports to reports in the One Health Harmful Algal Bloom System (OHHABS).

Indicate if any interventions were recommended or implemented.

If no interventions were recommended or implemented, explain why.

Intervention type.

Indicate if the intervention type was recommended or implemented at the point of intervention or point of exposure.

Indicate if the intervention type was recommended or implemented at the point of distribution (e.g., shipping facility, transportation equipment).

Indicate if the intervention type was recommended or implemented at the point of processing (e.g., pasteurization plant).

Indicate if the intervention type was recommended or implemented at the source (e.g., farm).

Indicate if any public communications were released for this outbreak.

Indicate which group(s) released public communications for the outbreak (e.g., federal government, industry, state/local/territorial health department, etc.).

Specify other group(s) not already listed that released public communications for the outbreak.

Interventions and outbreak communications remarks.

General remarks about the outbreak. Briefly describe any important aspects of the outbreak not covered, including links to communications or publications.

Indicate additional isolate information is available in NORS and was not downloaded due to file size restrictions.

Indicate additional water sample information is available in NORS and was not downloaded due to file size restrictions.

Indicate additional sample source information is available in NORS and was not downloaded due to file size restrictions.

Indicate additional indicator information is available in NORS and was not downloaded due to file size restrictions.

Indicate additional isolate information is available in NORS and was not downloaded due to file size restrictions.

Reporting site of the report author.

Name of the NORS agency reporting the outbreak.

Name of primary agency contact.

Title of agency contact.

Email address of agency contact.

Phone number of agency contact.

General comments added by CDC NORS managing administrators.

Publications or other references related to outbreak added by CDC.

Indicate how many attachments have been included in the NORS report.

The filename of the attachment(s) to the NORS report, if any.

Upload date of the attachment(s).

Indicate whether or not additional rows of data are available in NORS that could not be downloaded in the flat file structure due to size limits.

Indicate whether additional treatment information is available in NORS and was not downloaded due to size restrictions.

Indicate whether additional fill water information is available in NORS and was not downloaded due to size restrictions.

Strength of evidence classification assigned to the outbreak report. (CDC Only)

Numeric variable for month of onset. (CDC Only)

4 digit year of outbreak onset, based on date first ill. (CDC Only)

Surveillance period for the CDC surveillance summary publication that included this report. (CDC Only)

Categorical variable for water exposure. (CDC Only)

Description of which samples had confirmed coliforms (Clinical Specimens, Water Samples, Both).

Indicate bacterial etiologic agent.

Indicate fungal etiologic agent.

Indicate viral etiologic agent.

Indicate chemical etiologic agent.

Indicate parasitic etiologic agent.

Indicate other etiologic agent not listed by available categories.

Indicate etiologic agent is unknown.

Indicate AGI as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate ARI as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate Skin as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate Eye as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate Ear as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate Hep as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate LD as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate Lepto as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate Neuro as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate PF as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate LD as predominant illness according to surveillance system definitions. (e.g. SKIN='Skin infection, burn, or other condition', AGI='Acute Gastrointestinal Illness', NEURO='Neurologic Symptoms/Conditions', EYE='Keratitis, Infection, Irritation', ARI='Acute Respiratory Illness, HEP='Hepatitis', EAR='Ear Infection, Irritation', LD='Legionnaires

Indicate Leg (Legionella) as predominant illness according to surveillance system definitions.

Indicate an additional predominant illness, not listed by provided categories according to surveillance system definitions.

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data:
1='Untreated surface water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
2='Untreated ground water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
3='Treatment deficiency (e.g., temporary interruption of disinfection, chronically inadequate disinfection, or inadequate or no filtration)'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
4='Distribution system deficiency, including storage (e.g., cross-connection, backflow, contamination of water mains during construction or repair)'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
5a='Legionella spp. in drinking water system'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
5b='Legionella spp. in other non-recreational water system'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
5c='Legionella spp. in unknown water use'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
6='Plumbing system deficiency after the water meter or property line (e.g., cross-connection, backflow, or corrosion products)'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
7='Deficiency in building/home-specific water treatment after the water meter or property line'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
8='Deficiency or contamination of equipment using or distributing water (e.g., drink-mix machines)'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
9='Contamination or treatment deficiency during commercial bottling'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
10a='Contamination during shipping, hauling, or storage: Drinking-tap water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
10b='Contamination during shipping, hauling, or storage: Drinking-commercially-bottled water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
11a='Contamination at point of use: Tap'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
11b='Contamination at point of use: Hose'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
11c='Contamination at point of use: Commercially-bottled water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
11d='Contamination at point of use: Container, bottle, or pitcher'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
11e='Contamination at point of use: Unknown'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
12='Drinking or contact with other non-recreational water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
13a='Current treatment processes not expected to remove a chemical contaminant (e.g.,pesticide contamination of ground water treated with disinfection only): Surface water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
13b='Current treatment processes not expected to remove a chemical contaminant (e.g.,pesticide contamination of ground water treated with disinfection only): Ground water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
99a='Unknown/Insufficient information: Drinking water-tap water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
99b='Unknown/Insufficient information: Drinking water- commercially-bottled water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
99c='Unknown/Insufficient information: Other non-recreational water'

Deficiency classification(s) assigned to an outbreak based on a formal review of the outbreak report data.
99d='Unknown/Insufficient information: Unknown water use'

Summary description of the outbreak investigation. (CDC Only)

Presence/Absence of coliforms.

Description of when coliforms were found in relation to the outbreak, if applicable ('Before Outbreak', 'During Outbreak', 'After Outbreak').

Description of disinfection time in relation to outbreak, if applicable ('Before Outbreak', 'During Outbreak', 'After Outbreak').

Approximate percentage of cases in each age group among the total number of primary cases for whom information is available.

Approximate percentage of cases in each age group among the total number of primary cases for whom information is available.

Approximate percentage of cases in each age group among the total number of primary cases for whom information is available.

Approximate percentage of cases in each age group among the total number of primary cases for whom information is available.

Approximate percentage of cases in each age group among the total number of primary cases for whom information is available.

Approximate percentage of cases in each age group among the total number of primary cases for whom information is available.

Number of persons who were exposed and became ill.

Total number of persons exposed to the implicated vehicle. The attack rate is applied to persons in a cohort who were exposed to the implicated vehicle. If the vehicle is unknown, then the attack rate should not be calculated.

NORS value for internal data management processes. Identifies the individual implicated food during the outbreak; each outbreak may have multiple implicated foods. Variable is a primary key.

For the implicated food, indicate method of preparation.

Indicate whether the finalization issue for the report is open or closed.

Name of the finalization issue flagged for the report.

Response to finalization issue, if addressed (e.g., "Verified" for a checkbox, or free text for explanations).

Description of the finalization issue flagged for the report.

Number of primary cases aged ten to nineteen years.

Percent of primary cases aged ten to nineteen years.

Number of primary cases aged 20 to 49 years.

Percent of primary cases aged 20 to 49 years.

Number of primary cases aged 50 to 74 years.

Percent of primary cases aged 50 to 74 years.

Additional remarks concerning traceback

Indicates whether the traceback point was confirmed or suspected.

Indicates the point of contamination the traceback point represents.

Indicates whether environmental evidence determined that the traceback point was confirmed.

Indicates whether other evidence determined that the traceback point was confirmed.

Indicates whether epidemiologic evidence determined that the traceback point was confirmed.

Indicates whether laboratory evidence determined that the traceback point was confirmed.

Indicates whether traceback evidence determined that the traceback point was confirmed.

Number of animal specimens tested

Number of food specimens tested

Number of water specimens tested

Number of other samples that were tested

Number of lab confirmed cases

State PulseNet laboratory ID, CaliciNet key, Accession ID, or PulseNet key

Other molecular designation/ CaliciNet genotype/ PulseNet species or serotype

State Lab Specimen ID from the CaliciNet database

NORS question collected between Jan 2009 and Sept 2015. This question is no longer being collected, but the data entered during this period has been archived for reference.. If etiology is unknown, were patient specimens collected? 0="False", 1="True", 7="Unknown", null (blank) = no response

NORS question collected between Jan 2009 and Sept 2015. This question is no longer being collected, but the data entered during this period has been archived for reference. Number of specimens collected for outbreak of unknown etiology.

Number of human specimens tested

Number of animal specimens tested

Number of food specimens tested

Number of water specimens tested

Number of other environmental specimens tested

This field indicates whether collected specimens, if any, were tested for bacterial etiologies. 0="False", 1 or -1="True"
Format depends on export and import program

This field indicates whether collected specimens, if any, were tested for viral etiologies. 0="False", 1 or -1="True"
Format depends on export and import program

This field indicates whether collected specimens, if any, were tested for parasitic etiologies. 0="False", 1 or -1="True"
Format depends on export and import program

This field indicates whether collected specimens, if any, were tested for chemical etiologies. 0="False", 1 or -1="True" Format depends on export and import program

This field indicates that collected specimens/samples were tested, but for what they were tested is unknown. 0="False", 1or -1="True" Format depends on export and import program

Indicates whether any samples were tested for antimicrobial resistance. 0="No", 1="Yes", 7="Unknown", null (blank) = no response

Indicates if AST was done by a clinical lab (e.g., hospital). 0="False", 1or -1="True" Format depends on export and import program

Indicates if AST was done by a public health lab. 0="False", 1or -1="True" Format depends on export and import program

Indicates if AST was done by another lab. 0="False", 1or -1="True" Format depends on export and import program

Indicates if AST testing is unknown. 0="False", 1or -1="True" Format depends on export and import program

Indicates whether any antimicrobial resistant strains were associated with the outbreak. 0="False", 1="True", 7="Unknown", null (blank) = no response

Number of cases exposed to the implicated food

Indicates if the food product was both produced under domestic regulatory oversight (commercial product produced within US that is regulated by the FDA) and sold, 0="No", 1= "Yes", 7= "Unknown", Null (blank)=No Response

NORS question collected between Jan 2009 and May 2011. This question is no longer being collected, but the data entered during this period has been archived for reference. This variable indicates the number of cases exposed to at least one of the implicated foods reported.

Location of exposure of where food was eaten

Comments regarding the location of exposure

Indicates whether a kitchen manager at the location of preparation was certified in food safety (e.g., ServSafe). 0="No", 1="True", 7="Unknown", null (blank) = no response

Indicates if point of contamination occurred "Before preparation," "Preparation," or "Unknown."

If point of contamination occurred 'before preparation', variable indicates during preharvest, 0="False", 1 or -1="True". Format depends on export and import program

If point of contamination occurred 'before preparation', variable indicates during processing, 0="False", 1 or -1="True". Format depends on export and import program

If point of contamination occurred 'before preparation', variable indicates when is unknown, 0="False", 1 or -1="True". Format depends on export and import program

Environmental evidence is the reason why the confirmed or suspected point of contamination was assumed, 0="False", 1 or -1="True". Format depends on export and import program

Indicates if epidemiologic evidence is the reason why the confirmed or suspected point of contamination was assumed, 0="False", 1 or -1="True". Format depends on export and import program

Lab evidence is the reason why the confirmed or suspected point of contamination was assumed, 0="False", 1 or -1="True". Format depends on export and import program

Indicates if prior experience is the reason why the confirmed or suspected point of contamination was assumed, 0="False", 1 or -1="True". Format depends on export and import program

If food worker was implicated, indicates type of evidence that implicated the food worker

Approximate number of students enrolled in the school

Indicates if the number of students enrolled is unknown. Format depends on import and export program, 0="False", 1 or -1="True".

Primary funding of involved schools

Indicates the preparation of the implicated item

Indicates how many times the school cafeteria or kitchen has been inspected in the last 12 months by state, county, or local health departments.

Indicate whether the school involved in the outbreak has a HACCP plan in place for the school feeding program, 0="No", 1="Yes", 7="Unknown or Undetermined", Null (blank)= No Response

Was implicated food item provided to the school through the National School Lunch/Breakfast Program? 0="No", 1="Yes", 7="Unknown or Undetermined", Null (blank)= No Response

If school participated in the National School Lunch/Breakfast program, indicates the source of the implicated food items

Percentage of ill persons that ate ground beef raw or undercooked

Indicates whether the ground beef was case ready, 0="No", 1="Yes", 7="Unknown", Null (blank)= No Response

Indicates if the beef was ground or reground by the retailer, 0="No", 1="Yes", 7="Unknown", Null (blank)= No Response

Additional comments if beef was ground or reground

Phage types of patient isolates. NORS question collected between Jan 2009 and March 2017. This question is no longer being collected, but the data entered during this period has been archived for reference.

If is RDNC ('Reacts, Does Not Conform), then what is the number? NORS question collected between Jan 2009 and March 2017. This question is no longer being collected, but the data entered during this period has been archived for reference.

Indicate if the eggs were 'in shell, unpasteurized,' 'in shell, pasteurized,' 'packaged liquid or dry,' 'stored with inadequate refrigeration during or after sale,' 'consumed raw,' 'consumed undercooked,' or 'pooled'

Indicates if Salmonella enteritis was identified at the farm where the eggs originated, 0="No", 1="Yes", 7="Unknown", Null (blank)= No Response

Egg comments/remarks

The name(s) of any additional settings of exposure for the outbreak

Additional details regarding other settings of exposure

Indicates whether any case-patients report travel prior to illness onset.

Indicates whether travel was international, domestic, both, or unknown.

Indicates whether any confirmed, suspected, or probable case-patients were immunocompromised.

Indicates whether any confirmed, suspected, or probable cases were among men who have sex with men.

Specific animal type

Name(s) of setting(s) of exposure.

Indicates whether any cases had exposure to livestock or household pets that were experiencing diarrhea. 0= "No", 1= "Yes", 7= "Unknown", Null (blank)= No Response

Indicates what preventions measures or recommendations were used to stop the outbreak.

The implicated type of water exposure for a waterborne disease outbreak.

Question: Were data collected from comparison groups to estimate risk? 0= "No", 1= "Yes", 7= "Unknown", Null (blank)= No Response

The total number of people that reported a specific exposure in an epidemiologic study

The total number of people that reported a specific exposure who also met the case definition in an epidemiologic study.

The total number of people that did not report a specific exposure in an epidemiologic study

The total number of people that did not report a specific exposure and did meet the case definition in an epidemiologic study.

The odds ratio, with reference to a vehicle of transmission investigated in a waterborne disease outbreak. Displays value up to two decimal places.

The relative risk, with reference to a vehicle of transmission investigated in a waterborne disease outbreak. Displays value up to two decimal places.

Provides information from the epidemiologic investigation about the attack rate for cases who were residents of the reporting state.

Provides information from the epidemiologic investigation about the attack rate for cases who were not residents of the reporting state.

The percentage of primary cases in a waterborne disease outbreak that live in the reporting state.

Date that the event ended.

Date that the event started.

Indicates ingestion is a route of entry for the waterborne disease outbreak. An outbreak may have more than one route of entry.

Indicates contact is a route of entry for the waterborne disease outbreak. An outbreak may have more than one route of entry.

Indicates inhalation is a route of entry for the waterborne disease outbreak. An outbreak may have more than one route of entry.

Indicates 'other' as a route of entry for the waterborne disease outbreak. An outbreak may have more than one route of entry.

Indicates route of entry for the waterborne disease outbreak is unknown.

Capsid type of a norovirus strain identified as an outbreak etiology

Information on what types of specimens or samples this microbial pathogen or chemical/toxin was detected in (e.g., clinical specimens)

The number of people tested for an etiologic agent in a waterborne disease outbreak.

The number of people tested for an etiologic agent in a waterborne disease outbreak who tested positive. The number should be less than or equal to the number of people reported in TotalTested

The CDC system that contains data about this isolate (e.g., PulseNet, CaliciNet)

A unique identifier by the CDC laboratory to assist with data management (e.g., PulseNet Tracking Number)

A unique identifier assigned by the state laboratory to assist with tracking or other aspects of data management.

Question: Were clinical diagnostic specimens taken from persons? 0= "No", 1= "Yes", 7= "Unknown", Null (blank)= No Response

The number of persons from whom clinical specimens were collected, if clinical diagnostic specimens were collected (waterborne disease outbreak).

The type(s) of clinical specimens collected for a waterborne disease outbreak. Autopsy and biopsy specimens may have additional descriptions in the SpecimenSubtype field.

A variable that provides more information about autopsy and biopsy specimens collected in a waterborne disease outbreak.

Indicates that specimens/samples were tested using chemical testing methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using culture methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using DNA or RNA amplification methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using microscopy methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using serological or imunological methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using tissue culture infectivity assay. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using another method. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using an unknown methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates where AST was performed ('Clinical Lab', 'Public Health Lab', 'CDC-NARMS', 'Other', 'Unknown')

Question: "If yes, were any antimicrobial resistant strains associated with the outbreak?" 0= "No", 1= "Yes", 7= "Unknown", Null (blank)= No

The setting associated with the water exposure indicated in the corresponding WaterType field in a waterborne disease outbreak.

Written description of the sample (e.g., more detailed information about where it was collected)

Date that the water sample was collected and onsite measurements such as temperature, volume and pH were taken.

Concentration of the etiologic agent found in the water sample indicated by the corresponding SampleAnalysisNumber field, represented in decimal form.

Unit of measure for the concentration of the etiologic agent found in the water sample indicated by the corresponding SampleAnalysisNumber field.

Capsid of the norovirus etiology identified in the water sample indicated by the corresponding SampleNumberAnalysis field.

Water Sample Number. This is a sample number that identifies each water sample collected, e.g. SampleNumber3 indicates the third water sample. Each numeric value can only be used once for this field. The numeric value in this field corresponds to the numeric values listed in the SampleNumberAnalysis and SampleNumberIndicator fields. Water Sample Number for Sample Analysis. This is a sample number indicates which water sample (SampleNumber) is being used for analysis. A water sample can be analyzed multiple times, therefore a numeric value can be repeated, e.g. SampleNumberAnalysis3 & SampleNumberAnalysis4 can both have the numeric value of 3 to report multiple Water Sample Number for Quality Indicator. This sample number indicates which water sample (SampleNumber) is being used for water sample quality indicators. A water sample can have multiple quality indicators, therefore a numeric value can be repeated, e.g. SampleNumberIndicator3 & SampleNumberIndicator4 can both have the Combined disinfectant level measured in the water sample indicated in the corresponding SampleNumber field, represented in decimal form.

Unit of measure for combined disinfectant level measured in the water sample indicated in the corresponding SampleNumber field.

Genotype/Subtype of the etiology identified in the water sample indicated by the corresponding SampleNumberAnalysis field.

Genotype/Subtype of the etiology identified in the water sample indicated by the corresponding SampleNumberAnalysis field.

Concentration of a water quality indicator measured in the water sample indicated by the corresponding SampleNumberIndicator field.

Unit of measure for a water quality indicator measured in the water sample indicated by the corresponding SampleNumberIndicator field.

PFGE pattern of the etiology identified in the water sample indicated by the corresponding SampleNumberAnalysis field.

pH of the water sample indicated in the corresponding SampleNumber field.

Polymerase of the norovirus etiology identified in the water sample indicated by the corresponding SampleNumberAnalysis field.

Residual disinfectant level measured in the water sample indicated in the corresponding SampleNumber field, represented in decimal form.

Unit of measure for residual disinfectant level of the water sample indicated in the corresponding SampleNumber field.

Indicates whether the testing results were positive in the water sample indicated by the corresponding SampleNumberAnalysis field.

Serotype/Serogroup/Serovar of the etiology identified in the water sample indicated by the corresponding SampleNumberAnalysis field.

Species of the etiology identified in the water sample indicated by the corresponding SampleNumberAnalysis field.

Indicates whether water samples were tested or not, or if unknown.

Temperature of the water sample indicated in the corresponding SampleNumber field, represented in decimal form.

Unit of measure for temperature of the water sample indicated in the corresponding SampleNumber field.

Type of standardized test method performed on the water sample indicated by the corresponding SampleNumberAnalysis field.

Description of the laboratory tests performed on the water sample indicated by the corresponding SampleNumberAnalysis field.

Turbidity of the water sample indicated in the corresponding SampleNumber field.

Volume collected of the water sample indicated in the corresponding SampleNumber field, represented in decimal form.

Unit of measure for the volume collected of the water sample indicated in the corresponding SampleNumber field.

Type of water quality indicator measured in the water sample indicated by the corresponding SampleNumberIndicator field.

Serotype of the etiology identified in the corresponding GenusName field.

Indicates whether the specimen listed in the corresponding SpecimenType field was tested for bacterial etiologic agents.

Indicates whether the specimen listed in the corresponding SpecimenType field was tested for chemical etiologic agents.

Indicates whether the specimen listed in the corresponding SpecimenType field was tested for fungal etiologic agents.

Indicates whether the specimen listed in the corresponding SpecimenType field was tested for other etiologic agents.

Indicates whether the specimen listed in the corresponding SpecimenType field was tested for parasitic etiologic agents.

Indicates whether the specimen listed in the corresponding SpecimenType field was tested for unknown etiologic agents.

Indicates whether the specimen listed in the corresponding SpecimenType field was tested for viral etiologic agents. The value entered in VenueNumber used to associate treatment information with the corresponding WaterType (e.g., VenueNumber1=4 would correspond to TreatmentNumber1=4).

Species of the etiology identified in the corresponding GenusName field

Chlorination subtype (chlorine disinfection only: e.g., gaseous; sodium hypochlorite; cyanurates/stabilized chlorine). For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one What was the intended use for the implicated water? (i.e. cooling/air conditioning, mister, ornamental, industrial/occupational, agricultural irrigation, wast water, other (specify), unknown)

Indicates a problem with the water treatment contributed to the outbreak 0='No', 1='Yes' 7='Unknown'

Indicates a problem with the water distribution system contributed to the outbreak 0='No', 1='Yes' 7='Unknown'

This field indicates whether collected specimens, if any, were tested for bacterial etiologies. 0="False", 1 or -1="True" Format depends on export and import program

This field indicates whether collected specimens, if any, were tested for viral etiologies. 0="False", 1 or -1="True" Format depends on export and import program

This field indicates whether collected specimens, if any, were tested for parasitic etiologies. 0="False", 1 or -1="True" Format depends on export and import program

This field indicates whether collected specimens, if any, were tested for chemical etiologies. 0="False", 1 or -1="True" Format depends on export and import program

This field indicates that collected specimens/samples were tested, but for what they were tested is unknown. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using chemical testing methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using culture methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using DNA or RNA amplification methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using microscopy methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using serological or imunological methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using tissue culture infectivity assay. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using another method. 0="False", 1or -1="True" Format depends on export and import program

Indicates that specimens/samples were tested using an unknown methods. 0="False", 1or -1="True" Format depends on export and import program

Indicates whether any samples were tested for antimicrobial resistance. 0="No", 1="Yes", 7="Unknown", null (blank) = no response

Indicates if AST was done by a clinical lab (e.g., hospital). 0="False", 1or -1="True" Format depends on export and import program

Indicates if AST was done by a public health lab. 0="False", 1or -1="True" Format depends on export and import program

Indicates if AST was done by another lab. 0="False", 1or -1="True" Format depends on export and import program

Indicates if AST testing is unknown. 0="False", 1or -1="True" Format depends on export and import program

Indicates whether any antimicrobial resistant strains were associated with the outbreak. 0="False", 1="True", 7="Unknown", null (blank) = no response

Indicates whether any specimens or environmental, food, or water samples were collected and tested. 0="False", 1 or -1 ="True" Format depends on export and import program

Name of investigation method used to investigate outbreak

Specified "other" investigation method

The case count for Exposure State.

Names of other states/exposure sites involved in the outbreak.

Case counts for states indicated in the corresponding OtherState fields.

Names of other counties involved in the outbreak. These counties must be in the Exposure State. This field does not correspond to the Other State fields.

Percentage of primary cases who are male

Percentage of primary cases who are female

Percentage of primary cases of unknown sex

Percentage of primary cases aged less than one year

Percentage of primary cases age one to four years

Percentage of primary cases age five to nine years

Percentage of primary cases age 10 to 17 years

Percentage of primary cases age 18 to 49 years

Percentage of primary cases age 50 to 64 years

Percentage of primary cases age 65 to 74 years

Percentage of primary cases equal to or over 75 years of age

Percentage of primary cases of unknown age

Public communications released by state/local/territorial health department.

Public communications released by other state/local/territorial government agency.

Public communications released by federal government.

Public communications released by industry.

Public communications released by facility.

Public communications released by other agency.

Specify other group that released public communications about the outbreak

Traceback was conducted.

Indicates that CDC was involved in the traceback investigation.

Indicates that FDA was involved in the traceback investigation.

Indicates that USDA-APHIS was involved in the traceback investigation.

Indicates that USDA-FSIS was involved in the traceback investigation.

Indicates that another agency was involved in the traceback investigation.

Specifies the other involved agency.

Indicates that no federal agencies were involved in the traceback investigation.

Fax number of agency contact

CDC NARMS predicted resistance pattern based on resistance determinants.

Indicates supporting environmental sampling results on fecal indicators are available.

If FecalIndicator="True", description of fecal indicator environmental sampling results.

Indicates supporting environmental sampling results on pH are available.

If pH="True", description of pH environmental sampling results.

Indicates supporting environmental sampling results on temperature are available.

If Temp="True", description of temperature environmental sampling results.

Indicates if supporting environmental sampling results on turbidity are available.

If Turbidity="True", description of turbidity environmental sampling results.

Indicates supporting environmental sampling results on residual/free disinfectant are available.

If Residual="True", description of residual/free disinfectant environmental sampling results.

Indicates if supporting environmental sampling results on combined disinfectant are available.

If Combined="True", description of fecal indicator environmental sampling results.

Indicates if supporting environmental sampling results on etiologic agent are available.

If EtiologicAgent="True", description of etiologic agent environmental sampling results.

Specify field for description when other is selected within the environmental sampling results table.

Indicates supporting environmental sampling results for other sample type are available.

If SampleOther="True", description of other sample environmental sampling results.

Indicates whether epidemiologic evidence determined that the outbreak was foodborne, with an undetermined vehicle.

Indicates whether laboratory evidence determined that the outbreak was foodborne, with an undetermined vehicle.

Indicates whether traceback investigation determined that the outbreak was foodborne, with an undetermined vehicle.

Indicates whether environmental evidence determined that the outbreak was foodborne, with an undetermined vehicle.

Indicates whether other evidence determined that the outbreak was foodborne, with an undetermined vehicle.

Specifies the other evidence that determined that the outbreak was foodborne with an undetermined vehicle

Indicates that contamination factors do not apply.

Indicates that contamination factors are unknown.

Indicates that no contamination factors were identified.

Indicates that proliferation factors do not apply.

Indicates that proliferation factors are unknown.

Indicates that no proliferation factors were identified.

Indicates that survival factors do not apply.

Indicates that survival factors are unknown.

Indicates that no survival factors were identified.

Indicates if the food product was produced under domestic regulatory oversight.

If produced = 1, then indicates whether state or federal oversight.

Indicates if the food product was sold under domestic regulatory oversight.

If sold = 1, then indicates whether state or federal oversight.

Comments regarding the setting(s) of exposure.

Indicates whether epidemiologic evidence determined that the outbreak was animal contact, with an undetermined vehicle.

Indicates whether laboratory evidence determined that the outbreak was animal contact, with an undetermined vehicle.

Indicates whether traceback evidence determined that the outbreak was animal contact, with an undetermined vehicle.

Indicates whether environmental evidence determined that the outbreak was animal contact, with an undetermined vehicle.

Indicates whether other evidence determined that the outbreak was animal contact, with an undetermined vehicle.

Specified other evidence that determined that the outbreak was animal contact, with an undetermined vehicle

Indicates whether any case-patients were at work at a farm/dairy.

Indicates whether any case-patients were at work at a pet store.

Indicates whether any case-patients were at work at an agricultural store.

Indicates whether any case-patients were at work at a processing plant or slaughterhouse.

Indicates whether any case-patients were at work at another location.

Specified other location of where case-patients were exposed at work.

Type(s) of animals involved

Indicates animal was backyard/residential livestock

Indicates animal was commercial livestock

Indicates animal was a pet/companion animal

Indicates animal was an interactive exhibit

Indicates animal was wild animal/game

Indicates another type of animal interaction

Specifies type of animal interaction

Indicates unknown type of animal interaction

Demolition, construction, or renovation was a contributing factor.

Disruption of bat droppings was a contributing factor.

Disruption of bird droppings was a contributing factor.

Disruption of plant matter was a contributing factor.

Disruption of soil was a contributing factor.

Natural disaster or phenomenon was a contributing factor.

Specify the natural disaster

Bats were a contributing factor.

Specify bats as a contributing factor

Birds were a contributing factor.

Specify birds as a contributing factor

Other was a contributing factor.

Specify other as a contributing factor

Unknown contributing factor.

Specified type of event or gathering associated with exposure.

Indicates whether the outbreak occurred in a nursing home or skilled nursing facility or section.

Indicates whether the outbreak occurred in an intermediate care facility or section.

Indicates whether the outbreak occurred in an assisted living facility or section.

Indicates whether the outbreak occurred in memory care facility or section.

Indicates whether the outbreak occurred in an independent living section within a larger continuous care community.

Indicates whether the outbreak occurred in another type of long-term care facility or section.

Specified "other" type of long-term care facility or section.

Designates whether or not a reported etiologic agent for a waterborne disease outbreak is a confirmed or a suspected etiology.

Genus reported in the Etiology table for waterborne disease outbreaks. This variable is also used to report chemicals and toxins. The Etiology table may be used to report confirmed and suspected etiologies, including when an outbreak etiology is unknown.

Species reported in the Etiology table for waterborne disease outbreaks.

Serotype/Serogroup/Serovar reported in the Etiology table for waterborne disease outbreaks.

Genotype/Subtype reported in the Etiology table for waterborne disease outbreaks.

Polymerase type of a norovirus strain identified as an outbreak etiology

The specimen profile for a clinical isolate. For example, the CDC PulseNet pattern designation for enzyme 1. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that same number (e.g., Indicates that a clinical specimen was tested for bacteria in a waterborne disease outbreak.

Indicates that a clinical specimen was tested for chemicals in a waterborne disease outbreak.

Indicates that a clinical specimen was tested for fungi in a waterborne disease outbreak.

Indicates that a clinical specimen was tested for parasites in a waterborne disease outbreak.

Indicates that a clinical specimen was tested for viruses in a waterborne disease outbreak.

Indicates that a clinical specimen was tested for an etiologic agent category not listed in a waterborne disease outbreak.

Indicates that the etiologic agent category that a clinical specimen was tested for in a waterborne disease outbreak is unknown.

Indicates whether any samples were tested for antimicrobial resistance. 0="No", 1="Yes", 7="Unknown", null (blank) = no response

Question: Was water tested? 0= "No", 1= "Yes", 7= "Unknown", Null (blank)= No Response

A description of the source or location of a water sample (e.g., pool, lake, hot water tank, cooling tower).

The volume of water collected for a water sample.

The unit of measure for the Volume variable.

Indicates supporting environmental sampling results on temperature are available.

The unit of measure for the Temperature variable.

Indicates supporting environmental sampling results on residual/free disinfectant are available.

The unit of measure associated with the residual/free disinfectant level measured for a water sample.

Indicates if supporting environmental sampling results on combined disinfectant are available.

The unit of measure associated with the combined disinfectant level measured for a water sample.

Indicates supporting environmental sampling results on pH are available.

Indicates if supporting environmental sampling results on turbidity are available.

The type of water quality indicator (e.g., fecal coliforms) measured for a water sample. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that same number (e.g., MolecularDesignation1_1 , Concentration reported for IndicatorType based on results from laboratory testing. See IndicatorUnit for the measurement unit associated with this value. Displays as a whole number. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that same number (e.g., Unit of measurement (e.g., CFU/100mL) for IndicatorConc based on results from laboratory testing. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that same number (e.g., Genus reported for water samples collected during waterborne disease outbreak investigations. This variable is also used to report chemicals and toxins. Positive and negative test results may be reported. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it Species reported for water samples collected during waterborne disease outbreak investigations. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that same number (e.g., Serotype/Serogroup/Serovar reported for water samples collected during waterborne disease outbreak investigations. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that same Genotype/Subtype reported for water samples collected during waterborne disease outbreak investigations. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that same number (e.g., Polymerase type of a norovirus strain identified in a water sample

Capsid type of a norovirus strain identified in a water sample

The PFGE pattern for an isolate obtained from a water sample. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that same number (e.g., MolecularDesignation1_1 , Indicates whether or not an water sample tested positive for a microorganism, chemical or toxin. Value is automatically assigned for analysis purposes. 0="False, or Test Results Negative", 1="Yes, or Test Results Positive" Format depends on export and import program. For variables ending in the format #_#, the first number uniquely Concentration reported for a water sample that was analyzed for microorganisms, chemicals or toxins. See AnalysisUnit for the measurement unit associated with this value. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates

Unit of measurement (e.g., CFU/100mL) for AnalysisConc based on results from laboratory testing for microorganisms, chemicals or toxins. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables. A description of the laboratory methods (e.g., microscopy, RNA/DNA tests) used to test for a microorganism, chemical or toxin in a water sample. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables. The standardized laboratory method used to test a water sample for a microorganism, chemical or toxin. Abbreviated format used in NORS has the information ordered as follows: Method source, Method number and Method summary. E.g., ASTM D1293-pH (routine/continuous measurement). For variables ending in the format #_#, the first Specify field for description of recommendations provided to facility to decrease the risk of Legionella exposure.

Indicates the specified other water type specified in the corresponding WaterTypeID field.

Specified "other" setting.

Indicates additional description of the filtration and disinfection used at a treated recreational water venue or drinking water system.

Indicates the specified other treatment types.

Indicates the water venue subtype (i.e. indoor, outdoor, or unknown), for recreational water outbreaks, specified in the corresponding WaterTypeID field.

Indicates the usual type of water treatment provided at venue/system/source, (e.g. no treatment, disinfection, filtration, unknown) specified in the corresponding WaterTypeID field.

Indicates the specified other water treatment in the venue/system/source, specified in the corresponding WaterTypeID field.

Water venue of exposure (e.g. spa/whirlpool/hot tub; pool-swimming pool; pool-waterpark)

Water venue subtype (i.e. indoor, outdoor, or unknown)

Setting of exposure (e.g. club, requiring membership; hotel/motel/lodge/inn; waterpark)

Venue treatment subtype (disinfection or pool filtration: e.g., UV; chlorine dioxide; bag filter; cartridge filter; unknown). For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one Fill water type (e.g., public water supply; sea water; untreated ground or surface water; unknown). For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that same number (e.g., If public water supply, usual water treatment provided before coming to the venue (e.g., no treatment; disinfection; filtration [treatment plant]; unknown). For variables ending in the format #_#, the first number uniquely identifies its order in a If public water supply, fill water treatment subtype (disinfection or filtration: e.g., UV; chlorine dioxide; bag filter; cartridge filter; unknown). For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that

Question: Did the venue meet state or local recreational water quality regulations?

Additional description, if TreatedQuality=0 (No)

Question: Was there a pool operator on the payroll with state-approved training or certification?

Water venue implicated (e.g., canal; lake; river/stream; ocean)

IF SPRING OR HOT SPRING, water venue subtype description (i.e. 'indoor', 'outdoor' or 'unknown')

Setting of exposure (e.g., beach-public; camp/cabin/recreational area)

Additional description, if UntreatedQuality=0 (No)

Question: Did the venue meet Environmental Protection Agency (EPA) recreational water quality standards? 0= "No", 1= "Yes", 7= "Unknown", 9= "Not Applicable", Null (blank)= No Response

Additional description, if UntreatedEPA=0 (No)

Water treatment subtype (disinfection or filtration: e.g., boiling; chlorine; rapid sand filter; reverse osmosis)

Specific setting for the Major Setting of Exposure Category

Specified other location of where food was prepared

Indicates the specified other water source, specified in the corresponding WaterTypeID field.

Indicates the water source description (e.g. spring; well; lake) specified in the corresponding WaterTypeID field.

Specified other water source description.

Specified "other" type of correctional/detention facility

Indicates whether environmental evidence determined that the vehicle was confirmed or suspected.

Indicates whether epidemiologic evidence determined that the vehicle was confirmed or suspected.

Indicates whether traceback evidence determined that the vehicle was confirmed or suspected.

Indicates whether lab evidence determined that the vehicle was confirmed or suspected.

Specified other type of packaging.

Specified "other" outbreak detection method

Indicates whether listed etiology is bacterial, chemical, viral, parasitic, etc. Value is automatically assigned for analysis purposes. For variables ending in the format #_#, the first number uniquely identifies its order in a set. The second number identifies the set to which it belongs and relates back to one or more variables ending in that same number. Indicates if contributing factors are unknown.

Indicates whether epidemiologic evidence helped identify the confirmed or suspected animal vehicle.

Indicates whether laboratory evidence helped identify the confirmed or suspected animal vehicle.

Indicates whether traceback evidence helped identify the confirmed or suspected animal vehicle.

Indicates whether other evidence helped identify the confirmed or suspected animal vehicle.

Indicates whether environmental evidence helped identify the confirmed or suspected animal vehicle.

Specify field for description when other is selected within the environmental sampling results table.

Indicates supporting environmental sampling results for other sample type are available.

If SampleOther="True", description of other sample environmental sampling results.

Indicates the venue, drinking water system, or other source of water exposure implicated in a waterborne disease outbreak.

Specify field for description of who designed the water management program for a facility where a waterborne disease outbreak occurred when Legionella or other biofilm-associated pathogens are implicated as the etiology.

Remarks field for additional information about the other or environmental exposures to water outbreak investigation.

Indicates if the water system/source for other exposures to water outbreaks was treated to reduce or prevent the risk of disease transmission.

Indicates whether additional water type information is available in NORS and was not downloaded due to file size restrictions

Unique numeric identifier associated with the venue, system or source in the corresponding WaterType field in a waterborne disease outbreak (e.g., WaterTypeID1 is associated with WaterType1).

Unique numeric identifier associated with water exposure in a waterborne disease outbreak. This value links WaterType to WaterExposure values.

The case count for each county for multicounty exposure or multicounty residence outbreaks.

Intervention was recommended or implemented

Specify for other test type

Specified other contributing factor

Specified "other" intervention type

Remarks field for contributing factors for recreational water, drinking water, or other exposures to water outbreaks.

New Variable (blue fill)

Archived Variable (gray fill)

Text change (red font)