

**DATA SHARING AGREEMENT  
FOR  
DATASET(S)  
BETWEEN  
STATE OF WASHINGTON  
DEPARTMENT OF HEALTH  
AND  
SNOHOMISH COUNTY**

**CONTACT INFORMATION FOR ENTITIES RECEIVING AND PROVIDING INFORMATION**

	<b>INFORMATION RECIPIENT</b>	<b>INFORMATION PROVIDER</b>
Organization Name	Snohomish County	Washington State Department of Health (DOH)
<b>Business Contact Name</b>	Pamela Aguilar	Katie Hutchinson
Title	Snohomish County Health Department Interim Department Director/ Department Deputy Director	State Registrar and Office Director
Address	3020 Rucker Ave, Ste 306, Everett, WA 98201	101 Israel Rd SE Tumwater, WA 98501
Telephone #	425-339-5200	360-870-6186
Email Address	SHD- Contracts@co.snohomish.wa.us	<a href="mailto:katie.hutchinson@doh.wa.gov">katie.hutchinson@doh.wa.gov</a>
<b>IT Security Contact</b>	Doug Cavit	John Weeks
Title	County Information Security Officer	DOH Chief Information Security Officer
Address	3000 Rockefeller Ave, Everett, WA 98201	PO Box 47890 Olympia, WA 98504-7890
Telephone #	425-312-0660	(360) 688-3464
Email Address	doug.cavit@co.snohomish.wa.us	<a href="mailto:security@doh.wa.gov">security@doh.wa.gov</a>
<b>Privacy Contact Name</b>	Jannah Abdul-Qadir	Michael Paul
Title	Public & Privacy Records Officer	DOH Chief Privacy Officer
Address	3020 Rucker Ave, Ste 306, Everett, WA 98201	P. O. Box 47890 Olympia, WA 98504-7890
Telephone #	425-339-8641	(564) 669-9692
Email Address	jannah.abdulqadir@ co.snohomish.wa.us	<a href="mailto:Privacy.officer@doh.wa.gov">Privacy.officer@doh.wa.gov</a>

## DEFINITIONS

**Authorized user** means a recipient's employees, agents, assigns, representatives, independent contractors, or other persons or entities authorized by the data recipient to access, use or disclose information through this agreement.

**Authorized user agreement** means the confidentiality agreement a recipient requires each of its Authorized Users to sign prior to gaining access to Public Health Information.

**Breach of confidentiality** means unauthorized access, use or disclosure of information received under this Agreement. Disclosure may be oral or written, in any form or medium.

**Breach of security** means an action (either intentional or unintentional) that bypasses security controls or violates security policies, practices, or procedures.

**Commercial purpose** means a business activity by any form of business enterprise intended to generate revenue or financial benefit, including non-profit business activity.

**Confidential information** means information that is protected from public disclosure by law. There are many state and federal laws that make different kinds of information confidential. In Washington State, the two most common are the Public Records Act RCW 42.56, and the Healthcare Information Act, RCW 70.02.

**Data** means a data file containing multiple records.

**Data storage** means electronic media with information recorded on it, such as CDs/DVDs, computers and similar devices.

**Data transmission** means the process of transferring information across a network from a sender (or source) to one or more destinations.

**De-identified** means health information that does not identify an individual and with respect to which there is no reasonable basis to believe that the information can be used to identify an individual.

**Direct identifier** means a single data element that identifies an individual person. Direct identifiers include information in accordance with Chapter 246-492 WAC.

**Direct patient identifier** means information that identifies a patient. Direct patient identifiers include information in accordance with WAC 246-455-085.

**Disclosure** means to permit access to or release, transfer, or any other form of communication of information by any means including oral, written, or electronic, to any party except the Department or the Information Recipient within this Agreement.

**Encryption** means the use of algorithms to encode data making it impossible to read without a specific piece of information, which is commonly referred to as a "key". Depending on the type

of information shared, encryption may be required during data transmissions, and/or data storage.

**Government agencies** include Washington state boards, commissions, committees, departments, educational institutions, or other Washington state agencies which are created by or pursuant to statute, other than courts and the legislature; Washington county or city agencies, U.S. federal agencies.

**Human subjects research; human subject** means a living individual about whom an investigator (whether professional or student) conducting research obtains (1) data through intervention or interaction with the individual, or (2) identifiable private information.

**Indirect identifiers** means a single data element that on its own does not identify an individual person, but when combined with other indirect identifiers can be used to identify an individual person. Indirect identifiers include information in accordance with Chapter 246-492 WAC.

**Indirect patient identifier** means information that may identify a patient when combined with other information. Identification of a specific patient is more likely when a file contains a group of ten or fewer similar hospitalizations. Indirect patient identifiers include information in accordance with WAC 246-455-085.

**Limited dataset** means a data file that includes potentially identifiable information. A limited dataset does not contain direct identifiers.

**Potentially identifiable information** means information that includes indirect identifiers which may permit linking an individual to that person's health care information. Examples of potentially identifiable information include:

- birth dates;
- admission, treatment or diagnosis dates;
- healthcare facility codes;
- other data elements that may identify an individual. These vary depending on factors such as the geographical location and the rarity of a person's health condition, age, or other characteristic.

**Public health purpose** means a purpose that seeks to support or evaluate public health activities which include, but are not limited to, health surveillance; identifying population health trends; health assessments; implementing educational programs; program evaluation; developing and implementing policies; determining needs for access to services and administering services; creating emergency response plans; promoting healthy lifestyles; and preventing, detecting, and responding to infectious diseases, injury, and chronic and inheritable conditions. Public health purpose does not include research as defined in this section.

**Research** means a systematic investigation, including research development, testing and evaluation, designed to develop or contribute to generalizable knowledge. Activities that meet

this definition constitute research for purposes of this policy, whether or not they are conducted or supported under a program that is considered research for other purposes. The Department's human subjects' research that involves data through intervention or interaction with the individual, or identifiable private and/or confidential information should follow the Department's Human Research Review Policy 03.001.

**Restricted confidential information** means confidential information where especially strict handling requirements are dictated by statutes, rules, regulations or contractual agreements. Violations may result in enhanced legal sanctions.

**State holidays** means New Year's Day, Martin Luther King Jr. Day, President's Day, Memorial Day, Juneteenth National Independence Day, Labor Day, Independence Day, Veterans' Day, Thanksgiving Day, the day after Thanksgiving Day, and Christmas. Note: When January 1, June 19, July 4, November 11 or December 25 falls on Saturday, the preceding Friday is observed as the legal holiday. If these days fall on Sunday, the following Monday is the observed holiday.

**Writing** includes handwriting, typewriting, printing, photocopying, emailing, photographing, and every other means of recording any form of communication or representation, including, but not limited to, letters, words, pictures, sounds, or symbols, or combination thereof, and all papers, maps, magnetic or paper tapes, photographic films and prints, motion picture, film and video recordings, magnetic or punched cards, discs, drums, diskettes, sound recordings, and other documents including existing data compilations from which information may be obtained or translated.

## **GENERAL TERMS AND CONDITIONS**

### **I. USE OF INFORMATION**

The Information Recipient agrees to strictly limit use of information obtained or created under this Agreement to the purposes stated in Exhibit I (and all other Exhibits subsequently attached to this Agreement). For example, unless the Agreement specifies to the contrary the Information Recipient agrees not to:

- Link information received under this Agreement with any other information.
- Use information received under this Agreement to identify or contact individuals.

The Information Recipient shall construe this clause to provide the maximum protection of the information that the law allows.

### **II. SAFEGUARDING INFORMATION**

#### **A. CONFIDENTIALITY**

Information Recipient agrees to:

- Follow DOH small numbers guidelines as well as dataset specific small numbers requirements. (Appendix D)

- Limit access and use of the information:
  - To the minimum amount of information .
  - To the fewest people.
  - For the least amount of time required to do the work.
- Ensure that all people with access to the information understand their responsibilities regarding it.
- Ensure that every person (e.g., employee or agent) with access to the information signs and dates the “Use and Disclosure of Confidential Information Form” (Appendix A) before accessing the information.
  - Retain a copy of the signed and dated form as long as required in Data Disposition Section.

The Information Recipient acknowledges the obligations in this section survive completion, cancellation, expiration or termination of this Agreement.

#### B. SECURITY

The Information Recipient assures that its security practices and safeguards meet Washington State Office of Washington Technology Solutions (WaTech) security standard’s: [Asset Management Policy | WaTech](#); [Physical and Environmental Protection Policy | WaTech](#); [Network Security Standard | WaTech](#); [Mobile Device Security Standard | WaTech](#); [Remote Access Standard | WaTech](#).

For the purposes of this Agreement, compliance with the HIPAA Security Standard and all subsequent updates meets WaTech security standards in SEC-08 “Data Sharing Policy” and SEC-01 through SEC-13 “WaTech Policies”

The Information Recipient agrees to adhere to the Data Security Requirements in Appendix B. The Information Recipient further assures that it has taken steps necessary to prevent unauthorized access, use, or modification of the information in any form.

**Note:** The DOH Chief Information Security Officer must approve any changes to this section prior to Agreement execution. IT Security Officer will send approval/denial directly to DOH Contracts Office and DOH Business Contact.

#### C. BREACH NOTIFICATION

The Information Recipient shall notify the DOH Chief Information Security Officer ([security@doh.wa.gov](mailto:security@doh.wa.gov)) within one (1) business days of any suspected or actual breach of security or confidentiality of information covered by the Agreement.

### III. RE-DISCLOSURE OF INFORMATION

Information Recipient agrees to not disclose in any manner all or part of the information identified in this Agreement except as the law requires, this Agreement permits, or with specific prior written permission by the Secretary of the Department of Health.

If the Information Recipient must comply with state or federal public record disclosure laws, and receives a records request where all or part of the information subject to this Agreement is responsive to the request: the Information Recipient will notify the DOH Privacy Officer of the request ten (10) business days prior to disclosing to the requestor. The notice must:

- Be in writing;
- Include a copy of the request or some other writing that shows the:
  - Date the Information Recipient received the request; and
  - The DOH records that the Information Recipient believes are responsive to the request and the identity of the requestor, if known.

**IV. ATTRIBUTION REGARDING INFORMATION**

Information Recipient agrees to cite “Washington State Department of Health” or other citation as specified, as the source of the information subject of this Agreement in all text, tables and references in reports, presentations and scientific papers.

Information Recipient agrees to cite its organizational name as the source of interpretations, calculations or manipulations of the information subject of this Agreement.

**V. OTHER PROVISIONS**

With the exception of agreements with British Columbia for sharing health information, all data must be stored within the United States.

**VI. AGREEMENT ALTERATIONS AND AMENDMENTS**

This Agreement may be amended by mutual agreement of the parties. Such amendments shall not be binding unless they are in writing and signed by personnel authorized to bind each of the parties.

**VII. CAUSE FOR IMMEDIATE TERMINATION**

The Information Recipient acknowledges that unauthorized use or disclosure of the data/information or any other violation of sections II or III, and appendices A or B, may result in the immediate termination of this Agreement.

**VIII. CONFLICT OF INTEREST**

The DOH may, by written notice to the Information Recipient:

Terminate the right of the Information Recipient to proceed under this Agreement if it is found, after due notice and examination by the Contracting Office that gratuities in the form of entertainment, gifts or otherwise were offered or given by the Information

Recipient, or an agency or representative of the Information Recipient, to any officer or employee of the DOH, with a view towards securing this Agreement or securing favorable treatment with respect to the awarding or amending or the making of any determination with respect to this Agreement.

In the event this Agreement is terminated as provided above, the DOH shall be entitled to pursue the same remedies against the Information Recipient as it could pursue in the event of a breach of the Agreement by the Information Recipient. The rights and remedies of the DOH provided for in this section are in addition to any other rights and remedies provided by law. Any determination made by the Contracting Office under this clause shall be an issue and may be reviewed as provided in the "disputes" clause of this Agreement.

**IX. DISPUTES**

Except as otherwise provided in this Agreement, when a genuine dispute arises between the DOH and the Information Recipient and it cannot be resolved, either party may submit a request for a dispute resolution to the Contracts and Procurement Unit. The parties agree that this resolution process shall precede any action in a judicial and quasi-judicial tribunal. A party's request for a dispute resolution must:

- Be in writing and state the disputed issues, and
- State the relative positions of the parties, and
- State the information recipient's name, address, and his/her department agreement number, and
- Be mailed to the DOH contracts and procurement unit, P. O. Box 47905, Olympia, WA 98504-7905 within thirty (30) calendar days after the party could reasonably be expected to have knowledge of the issue which he/she now disputes.

This dispute resolution process constitutes the sole administrative remedy available under this Agreement.

**X. EXPOSURE TO DOH BUSINESS INFORMATION NOT OTHERWISE PROTECTED BY LAW AND UNRELATED TO CONTRACT WORK**

During the course of this contract, the information recipient may inadvertently become aware of information unrelated to this agreement. Information recipient will treat such information respectfully, recognizing DOH relies on public trust to conduct its work. This information may be hand written, typed, electronic, or verbal, and come from a variety of sources.

**XI. GOVERNANCE**

This Agreement is entered into pursuant to and under the authority granted by the laws of the state of Washington and any applicable federal laws. The provisions of this Agreement shall be construed to conform to those laws.

In the event of an inconsistency in the terms of this Agreement, or between its terms and any applicable statute or rule, the inconsistency shall be resolved by giving precedence in the following order:

- Applicable Washington state and federal statutes and rules;
- Any other provisions of the Agreement, including materials incorporated by reference.

**XII. HOLD HARMLESS**

Each party to this Agreement shall be solely responsible for the acts and omissions of its own officers, employees, and agents in the performance of this Agreement. Neither party to this Agreement will be responsible for the acts and omissions of entities or individuals not party to this Agreement. DOH and the Information Recipient shall cooperate in the defense of tort lawsuits, when possible.

**XIII. LIMITATION OF AUTHORITY**

Only the Authorized Signatory for DOH shall have the express, implied, or apparent authority to alter, amend, modify, or waive any clause or condition of this Agreement on behalf of the DOH. No alteration, modification, or waiver of any clause or condition of this Agreement is effective or binding unless made in writing and signed by the Authorized Signatory for DOH.

**XIV. RIGHT OF INSPECTION**

The Information Recipient shall provide the DOH and other authorized entities the right of access to its facilities at all reasonable times, in order to monitor and evaluate performance, compliance, and/or quality assurance under this Agreement on behalf of the DOH.

**XV. SEVERABILITY**

If any term or condition of this Agreement is held invalid, such invalidity shall not affect the validity of the other terms or conditions of this Agreement, provided, however, that the remaining terms and conditions can still fairly be given effect.

**XVI. SURVIVORSHIP**

The terms and conditions contained in this Agreement which by their sense and context, are intended to survive the completion, cancellation, termination, or expiration of the Agreement shall survive.



**XVII. TERMINATION**

Either party may terminate this Agreement upon 30 days prior written notification to the other party. If this Agreement is so terminated, the parties shall be liable only for performance rendered or costs incurred in accordance with the terms of this Agreement prior to the effective date of termination.

**XVIII. WAIVER OF DEFAULT**

This Agreement, or any term or condition, may be modified only by a written amendment signed by the Information Provider and the Information Recipient. Either party may propose an amendment.

Failure or delay on the part of either party to exercise any right, power, privilege or remedy provided under this Agreement shall not constitute a waiver. Either party may waive no provision of this Agreement except in writing signed by the Information Provider or the Information Recipient.

**XIX. ALL WRITINGS CONTAINED HEREIN**

This Agreement and attached Exhibit(s) contains all the terms and conditions agreed upon by the parties. No other understandings, oral or otherwise, regarding the subject matter of this Agreement and attached Exhibit(s) shall be deemed to exist or to bind any of the parties hereto.

**XX. PERIOD OF PERFORMANCE**

This Agreement shall be effective from date of execution through 8/31/2029

**IN WITNESS WHEREOF, the parties have executed this Agreement as of the date of last signature below.**

THE DEPARTMENT	INFORMATION RECIPIENT
State of Washington Department of Health	Snohomish County
Signature	Signature
Print Name	Print Name
Date	Date

## EXHIBIT I

### APPROVED SCOPE OF DEATH DATA

#### 1. PURPOSE AND JUSTIFICATION FOR SHARING THE DATA

Provide a detailed description of the purpose and justification for sharing the data, including specifics on how the data will be used.

This agreement authorizes the Information Recipient, a local health jurisdiction (LHJ) in Washington State, to access death data to support the required public health responsibilities. LHJs serve as frontline public health authorities, responsible for assessing and responding to health needs within the community. This agreement is designed specifically to enable the Information Recipient to use death data as part of the essential, non-research public health functions that are outlined in Chapter 70.05 RCW .

The Information Recipient is permitted to use the data to carry out core public health functions, such as conducting health assessments, monitoring mortality trends, evaluating public health programs, and developing local strategies to improve population health. Access to death data supports these core responsibilities by providing insight into local causes of death, shifts in health outcomes, and areas where targeted interventions are most needed.

The Information Recipient will use these data in several ways:

- **OFR Case Review Process**

Each quarter, the Information Recipient convenes an Overdose Fatality Review (OFR) committee to review two overdose death cases. These reviews integrate information from a range of sources, including but not limited to electronic medical records, medical examiner data, law enforcement, EMS, jails, treatment providers, and human services. CHS death data will be used to supplement these reviews by providing validated information on cause of death, ICD-10 codes, demographic characteristics (e.g., age, sex, race, education, marital status, occupation, veteran status), and geographic details such as location of death. All OFR committee members sign a confidentiality agreement and are authorized to access this information under RCW 70.05.210. Snohomish County is responsible for ensuring all OFR committee members sign a confidentiality agreement before accessing any data. Members must use the data only for the purposes authorized under this agreement and maintain its confidentiality at all times.

- **Collaboration with WA DOH Opioid Team**

In addition, CHS death data will support data sharing with the Washington State Department of Health (WA DOH) Opioid Team through a secure REDCap survey platform. This survey is being developed to collect structured information from local OFRs, including cause of death, ICD-10 codes, demographics, and additional contextual factors. Final survey content is under revision; however, information derived from CHS death data will be shared solely for the purposes authorized under RCW 70.05.210 and in coordination with WA DOH.

- **Case Selection Support**

The LHJ will also use CHS death data to assist with quarterly OFR case selection. Each OFR is structured around a particular theme (e.g., older adults with opioid-related deaths), and the data will be used to identify eligible cases for upcoming reviews. Access to CHS death data will reduce dependence on local medical examiner capacity, which currently limits timely case identification and impacts preparation quality for OFR reviews.

The Information Recipient is authorized to re-disclose aggregated and de-identified data derived from the approved datasets, provided that appropriate small number suppression is applied in accordance with guidelines listed in Appendix D. No record-level, identifiable, or small cell data (e.g., counts fewer than 10) may be shared externally unless explicitly approved in writing by the Department.

Is the purpose of this agreement for human subjects research that requires Washington State Institutional Review Board (WSIRB) approval?  Yes  No

Data disclosed by the Department to the Snohomish County Health Department through this data sharing agreement solely consists of identifiers for deceased individuals. The data does not contain direct identifiers pertaining to any living individual, including but not limited to next of kin data, and does not meet the Common Rule definition of human subject.

The Information Recipient is permitted to contact individuals.  Yes  No

The data is permitted to be linked with other information.  Yes  No

If yes: Linking authorized by the Department.

Death Names files will be linked to Snohomish County Medical Examiner's Expedited Drug Analysis Program (EDAP), Snohomish County Medical Examiner's Death Records, Snohomish ESO, Law Enforcement Records, Court/Legal Records, Electronic Medical Records, Treatment Records, WA Department of Social and Health Services (DSHS) Records, Prescription Drug Monitoring Program Data, Washington Department of Children, Youth and Families (DCYF) Data. Data will be linked using name, date of birth and date of death (when available).

Aggregated data is permitted to be shared with the public or other partners.  Yes  No

The original data is permitted to be re-disclosed.  Yes  No

## 2. PERIOD OF PERFORMANCE

This **Exhibit** shall have the same period of performance as the **Agreement** unless otherwise noted below:

Exhibit I shall be effective from through date of execution to 8/31/2029

### 3. DESCRIPTION OF DATA

Information Provider will make available the following information under this Agreement:

**Database Name(s):**

- WA Death Annual Statistical
- WA Death Cause of Death Literals
- WA Death Names

**Data Elements being provided:**

The data elements listed in Appendix E are the current data elements for files indicated above. This data set is subject to annual review and may undergo minor changes. These changes will not require an amendment to this agreement. Should there be significant data changes to the data set then an amendment to this Agreement will be needed to reflect those changes.

The information described in this section is:

- Restricted Confidential Information (Category 4)
- Confidential Information (Category 3)
- Potentially identifiable information (Category 3)
- Internal [public information requiring authorized access] (Category 2)
- Public Information (Category 1)

Any reference to data/information in this Agreement shall be the data/information as described in this Exhibit.

### 4. STATUTORY AUTHORITY TO SHARE INFORMATION

**DOH statutory authority** to obtain and disclose the confidential information or limited Dataset(s) identified in this Exhibit to the Information Recipient:

**RCW 70.58A.520(6) - Disclosure of vital records, data, and vital statistics**

**Information Recipient statutory authority:**

**RCW 70.58A.520(6) Disclosure of vital records, data, and vital statistics**

**RCW 70.05.210- Fatality Review Teams**

### 5. ACCESS TO INFORMATION

METHOD OF ACCESS/TRANSFER

- DOH Web Application (indicate application name): CHS Data Files

- Washington State Managed File Transfer Service (mft.wa.gov)
- Encrypted CD/DVD or other storage device
- Health Information Exchange (HIE)\*\*
- Other: (describe the methods for access/transfer)\*\*

**\*\*NOTE:** DOH Chief Information Security Officer must approve prior to Agreement execution. DOH Chief Information Security Officer will send approval/denial directly to DOH Contracts Office and DOH Business Contact.

#### FREQUENCY OF ACCESS/TRANSFER

- One time: DOH shall deliver information by *Select date*
- Repetitive:
- As available within the period of performance stated in Section 2.

#### 6. REIMBURSEMENT TO DOH

The Information Recipient shall pay the Department the applicable fees required by WAC 246-492-990 for the information provided under this Agreement. Fees under this Agreement are nonrefundable.

##### Billing Procedure

- Information Recipient agrees to provide payment to the Department before receiving the data, and understands that the Department will not provide data until payment has been made.
- Upon expiration of the Agreement, any payment not already made shall be submitted within 30 days after the expiration date or the end of the fiscal year, whichever is earlier.

Charges for the services to create and provide the information are:

- No charge.

#### 7. DATA DISPOSITION FOR DEATH STATISTICAL, CAUSE OF DEATH LITERALS, DEATH NAMES, DEATH GEOCODE

Unless otherwise directed in writing by the DOH Business Contact, at the end of this Agreement, or at the discretion and direction of DOH, the Information Recipient shall:

- Immediately destroy all copies of any data provided under this Agreement after it has been used for the purposes specified in the Agreement. Acceptable methods of destruction are described in Appendix B. Upon completion, the Information Recipient

shall submit the attached Certification of Data Disposition (Appendix C) to the DOH Business Contact.

- Immediately return all copies of any data provided under this Agreement to the DOH Business Contact after the data has been used for the purposes specified in the Agreement, along with the attached Certification of Data Disposition (Appendix C).
- Retain the data for the purposes stated herein for a period of time not to exceed \_\_\_\_\_ (e.g., one year, etc.), after which Information Recipient shall destroy the data (as described below) and submit the attached Certification of Data Disposition (Appendix C) to the DOH Business Contact.

Other (Describe):

**8. RIGHTS IN INFORMATION**

Information Recipient agrees to provide, if requested, copies of any research papers or reports prepared as a result of access to DOH information under this Agreement for DOH review prior to publishing or distributing.

In no event shall the Information Provider be liable for any damages, including, without limitation, damages resulting from lost information or lost profits or revenue, the costs of recovering such Information, the costs of substitute information, claims by third parties or for other similar costs, or any special, incidental, or consequential damages, arising out of the use of the information. The accuracy or reliability of the Information is not guaranteed or warranted in any way and the information Provider’s disclaim liability of any kind whatsoever, including, without limitation, liability for quality, performance, merchantability and fitness for a particular purpose arising out of the use, or inability to use the information.

If checked, please submit the following:

- Copies of \_\_\_\_\_ (insert list of items) \_\_\_\_\_  
to the attention of: \_\_ (insert name of DOH employee) \_\_  
at \_\_\_\_\_ (insert address to which material is sent) \_\_\_\_\_ .

**9. ALL WRITINGS CONTAINED HEREIN**

This Agreement and attached Exhibit(s) contains all the terms and conditions agreed upon by the parties. No other understandings, oral or otherwise, regarding the subject matter of this Agreement and attached Exhibit(s) shall be deemed to exist or to bind any of the parties hereto.

**IN WITNESS WHEREOF, the parties have executed this Exhibit as of the date of last signature below.**

State of Washington Department of Health	Snohomish County
Signature	Signature
Print Name	Print Name
Date	Date

**APPENDIX A**

**USE AND DISCLOSURE OF CONFIDENTIAL INFORMATION**

People with access to confidential information are responsible for understanding and following the laws, policies, procedures, and practices governing it. Below are key elements:

A. CONFIDENTIAL INFORMATION

Confidential information is information federal and state law protects from public disclosure. Examples of confidential information are social security numbers, and healthcare information that is identifiable to a specific person under Chapter 70.02 RCW. The general public disclosure law identifying exemptions is Chapter 42.56 RCW.

B. ACCESS AND USE OF CONFIDENTIAL INFORMATION

- 1. Access to confidential information must be limited to people whose work specifically requires that access to the information.
- 2. Use of confidential information is limited to purposes specified elsewhere in this Agreement.

C. DISCLOSURE OF CONFIDENTIAL INFORMATION

- 1. An Information Recipient may disclose an individual’s confidential information received or created under this Agreement to that individual or that individual’s personal representative consistent with law.
- 2. An Information Recipient may disclose an individual’s confidential information, received or created under this Agreement only as permitted under the **Re-Disclosure of Information** section of the Agreement, and as state and federal laws allow.

D. CONSEQUENCES OF UNAUTHORIZED USE OR DISCLOSURE

An Information Recipient’s unauthorized use or disclosure of confidential information is the basis for the Information Provider immediately terminating the Agreement. The Information Recipient may also be subject to administrative, civil and criminal penalties identified in law.

E. ADDITIONAL DATA USE RESTRICTIONS: (if necessary)

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



## APPENDIX B

### DATA SECURITY REQUIREMENTS

#### Protection of Data

The storage of Category 3 and 4 information outside of the State Governmental Network requires organizations to ensure that encryption is selected and applied using industry standard algorithms validated by the NIST Cryptographic Algorithm Validation Program. Encryption must be applied in such a way that it renders data unusable to anyone but authorized personnel, and the confidential process, encryption key or other means to decipher the information is protected from unauthorized access. All manipulations or transmissions of data within the organizations network must be done securely.

The Information Recipient agrees to store information received under this Agreement (the data) within the United States on one or more of the following media, and to protect it as described below:

#### A. Passwords

1. Passwords must always be encrypted. When stored outside of the authentication mechanism, passwords must be in a secured environment that is separate from the data and protected in the same manner as the data. For example passwords stored on mobile devices or portable storage devices must be protected as described under section F. Data storage on mobile devices or portable storage media.
2. Complex Passwords are:
  - At least 8 characters in length.
  - Contain at least three of the following character classes: uppercase letters, lowercase letters, numerals, special characters.
  - Do not contain the user's name, user ID or any form of their full name.
  - Do not consist of a single complete dictionary word but can include a passphrase.
  - Do not consist of personal information (e.g., birthdates, pets' names, addresses, etc.)
  - Are unique and not reused across multiple systems and accounts.
  - Changed at least every 120 days.

#### B. Hard disk drives / Solid State Drives – Data stored on workstation drives:

1. The data must be encrypted as described under section F. Data storage on mobile devices or portable storage media. Encryption is not required when Potentially Identifiable

Information is stored temporarily on local workstation Hard Disk Drives/Solid State Drives. Temporary storage is thirty (30) days or less.

2. Access to the data is restricted to authorized users by requiring logon to the local workstation using a unique user ID and Complex Password, or other authentication mechanisms which provide equal or greater security, such as biometrics or smart cards. Accounts must lock after 5 unsuccessful access attempts and remain locked for at least 15 minutes, or require administrator reset.

**C. Network server and storage area networks (SAN)**

1. Access to the data is restricted to authorized users through the use of access control lists which will grant access only after the authorized user has authenticated to the network.
2. Authentication must occur using a unique user ID and Complex Password, or other authentication mechanisms which provide equal or greater security, such as biometrics or smart cards. Accounts must lock after 5 unsuccessful access attempts, and remain locked for at least 15 minutes, or require administrator reset.
3. The data are located in a secured computer area, which is accessible only by authorized personnel with access controlled through use of a key, card key, or comparable mechanism.
4. If the servers or storage area networks are not located in a secured computer area or if the data is classified as Confidential or Restricted it must be encrypted as described under F. Data storage on mobile devices or portable storage media.

**D. Optical discs (CDs or DVDs)**

1. Optical discs containing the data must be encrypted as described under F. Data storage on mobile devices or portable storage media.
2. When not in use for the purpose of this Agreement, such discs must be locked in a drawer, cabinet or other physically secured container to which only authorized users have the key, combination or mechanism required to access the contents of the container.

**E. Access over the Internet or the State Governmental Network (SGN).**

1. When the data is transmitted between DOH and the Information Recipient, access is controlled by the DOH, who will issue authentication credentials.
2. Information Recipient will notify DOH immediately whenever:
  - a) An authorized person in possession of such credentials is terminated or otherwise leaves the employ of the Information Recipient;

- b) Whenever a person's duties change such that the person no longer requires access to perform work for this Contract.
3. The data must not be transferred or accessed over the Internet by the Information Recipient in any other manner unless specifically authorized within the terms of the Agreement.
  - a) If so authorized the data must be encrypted during transmissions using a key length of at least 128 bits. Industry standard mechanisms and algorithms, such as those validated by the National Institute of Standards and Technology (NIST) are required.
  - b) Authentication must occur using a unique user ID and Complex Password (of at least 10 characters). When the data is classified as Confidential or Restricted, authentication requires secure encryption protocols and multi-factor authentication mechanisms, such as hardware or software tokens, smart cards, digital certificates or biometrics.
  - c) Accounts must lock after 5 unsuccessful access attempts, and remain locked for at least 15 minutes, or require administrator reset.

**F. Data storage on mobile devices or portable storage media**

1. Examples of mobile devices are: smart phones, tablets, laptops, notebook or netbook computers, and personal media players.
2. Examples of portable storage media are: flash memory devices (e.g. USB flash drives), and portable hard disks.
3. The data must not be stored by the Information Recipient on mobile devices or portable storage media unless specifically authorized within the terms of this Agreement. If so authorized:
  - a) The devices/media must be encrypted with a key length of at least 128 bits, using industry standard mechanisms validated by the National Institute of Standards and Technologies (NIST).
    - Encryption keys must be stored in a secured environment that is separate from the data and protected in the same manner as the data.
  - b) Access to the devices/media is controlled with a user ID and a Complex Password (of at least 6 characters), or a stronger authentication method such as biometrics.
  - c) The devices/media must be set to automatically wipe or be rendered unusable after no more than 10 failed access attempts.

- d) The devices/media must be locked whenever they are left unattended and set to lock automatically after an inactivity activity period of 3 minutes or less.
  - e) The data must not be stored in the Cloud. This includes backups.
  - f) The devices/ media must be physically protected by:
    - Storing them in a secured and locked environment when not in use;
    - Using check-in/check-out procedures when they are shared; and
    - Taking frequent inventories.
4. When passwords and/or encryption keys are stored on mobile devices or portable storage media they must be encrypted and protected as described in this section.

#### **G. Backup Media**

The data may be backed up as part of Information Recipient's normal backup process provided that the process includes secure storage and transport, and the data is encrypted as described under *F. Data storage on mobile devices or portable storage media*.

#### **H. Paper documents**

Paper records that contain data classified as Confidential or Restricted must be protected by storing the records in a secure area which is only accessible to authorized personnel. When not in use, such records is stored in a locked container, such as a file cabinet, locking drawer, or safe, to which only authorized persons have access.

#### **I. Data Segregation**

1. The data must be segregated or otherwise distinguishable from all other data. This is to ensure that when no longer needed by the Information Recipient, all of the data can be identified for return or destruction. It also aids in determining whether the data has or may have been compromised in the event of a security breach.
2. When it is not feasible or practical to segregate the data from other data, then ***all*** commingled data is protected as described in this Exhibit.

#### **J. Data Disposition**

If data destruction is required by the Agreement, the data must be destroyed using one or more of the following methods:

**Data stored on:**

**Is destroyed by:**

Hard Disk Drives / Solid State Drives

Using a “wipe” utility which will overwrite the data at least three (3) times using either random or single character data, or  
Degaussing sufficiently to ensure that the data cannot be reconstructed, or  
Physically destroying the disk , or  
Delete the data and physically and logically secure data storage systems that continue to be used for the storage of Confidential or Restricted information to prevent any future access to stored information. One or more of the preceding methods is performed before transfer or surplus of the systems or media containing the data.

Paper documents with Confidential or Restricted information

On-site shredding, pulping, or incineration, or Recycling through a contracted firm provided the Contract with the recycler is certified for the secure destruction of confidential information.

Optical discs (e.g. CDs or DVDs)

Incineration, shredding, or completely defacing the readable surface with a course abrasive.

Magnetic tape

Degaussing, incinerating or crosscut shredding.

Removable media (e.g. floppies, USB flash drives, portable hard disks, Zip or similar disks)

Using a “wipe” utility which will overwrite the data at least three (3) times using either random or single character data.  
Physically destroying the disk.  
Degaussing magnetic media sufficiently to ensure that the data cannot be reconstructed.

**K. Notification of or Potential Compromise**

The Information Recipient shall notify the Department’s Chief Information Security Officer at [security@doh.wa.gov](mailto:security@doh.wa.gov) and the Department’s Business Contact within one (1) business day of any suspected or actual breach of security or confidentiality of information covered by the Agreement.

The compromise or potential compromise of the data is reported to DOH as required in Section II.C.

**APPENDIX C**

**CERTIFICATION OF DATA DISPOSITION**

Date of Disposition \_\_\_\_\_

- All copies of any Datasets related to agreement DOH#\_\_\_\_\_ have been deleted from all data storage systems. These data storage systems continue to be used for the storage of confidential data and are physically and logically secured to prevent any future access to stored information. Before transfer or surplus, all data will be eradicated from these data storage systems to effectively prevent any future access to previously stored information.
  
- All copies of any Datasets related to agreement DOH#\_\_\_\_\_ have been eradicated from all data storage systems to effectively prevent any future access to the previously stored information.
  
- All materials and computer media currently under or previously under control of the Information Recipient identified in Agreement DOH#\_\_\_\_\_ containing any data related to Agreement DOH #\_\_\_\_\_ have been physically destroyed to prevent any future use of the materials and media.
  
- All paper copies of the information currently under or previously under control of the Information Recipient identified in Agreement DOH#\_\_\_\_\_ related to agreement DOH #\_\_\_\_\_ have been destroyed on-site by cross cut shredding.
  
- All copies of any Datasets related to agreement DOH #\_\_\_\_\_ that have not been disposed of in a manner described above, have been returned to DOH.
  
- Other (provide details in an attachment to this document).

The Information Recipient hereby certifies, by signature below, that the data disposition requirements as provided in Agreement DOH # \_\_\_\_\_, Section J, Disposition of Information, have been fulfilled as indicated above. The person signing below indicated, by signing, that they have the authority to sign on behalf of the Information Recipient, if the Information Recipient is an organization.

\_\_\_\_\_  
Signature of data recipient

\_\_\_\_\_  
Date

## **APPENDIX D**

### **DOH SMALL NUMBERS GUIDELINES**

- Aggregate data so that the need for suppression is minimal. Suppress all non-zero counts which are less than ten.
- Suppress rates or proportions derived from those suppressed counts.
- Assure that suppressed cells cannot be recalculated through subtraction, by using secondary suppression as necessary. Survey data from surveys in which 80% or more of the eligible population is surveyed should be treated as non-survey data.
- When a survey includes less than 80% of the eligible population, and the respondents are unequally weighted, so that cell sample sizes cannot be directly calculated from the weighted survey estimates, then there is no suppression requirement for the weighted survey estimates.
- When a survey includes less than 80% of the eligible population, but the respondents are equally weighted, then survey estimates based on fewer than 10 respondents should be “top-coded” (estimates of less than 5% or greater than 95% should be presented as 0-5% or 95-100%).

## APPENDIX E

### Death Statistical File Data Dictionary

Note: Missing values are valid for all variables.

Field Number	Field Name (2016 and later)	Description	Format/Values	Historical Field Name (1980-2015)	Historical Format/Values (1980-2015)
1	State File Number	Certificate Number	Character; YYYY#####	certno	YYYY#####
2	Sex	Sex	Character; Max Length = 1 M = Male F = Female U = Undetermined	sex	***1980-2015*** M = Male F = Female U = Undetermined
3	Age Type	Type of Age Unit  Indicates the unit in which age was reported (e.g., years, months, etc.). To determine age of decedent at time of death use this field with the number of age unit. Before using this field, see "Death Statistical File Data Notes-Age at Death."	Numeric; Max Length = 1 1 = Years 2 = Months 3 = Days 4 = Hours 5 = Minutes 9 = Unknown	ageunit	***1980-2015*** 0 - Years 1 to 99 1 - Years 100 or more 2 - Months 4 - Days 5 - Hours 6 - Minutes 9 - Unknown/Not Stated
4	Age	Number of Age Units  Age, Number of Units Use number of age units with the age unit field to determine age of decedent at time of death. Before using this field, see "Death Statistical File Data Notes-Age at Death."	Numeric; Max Length = 3; 999=Unknown	ageunum	***1980-2015*** 01-99 - Years 1 to 99 00-99 - Years 100 or more 99 - Unknown/Not Stated  01-11 - Months 99 - Unknown/Not Stated  01-31 - Days 99 - Unknown/Not Stated  01-23 - Hours 99 - Unknown/Not Stated  01-59 - Minutes 99 - Unknown/Not Stated
5	Age Years	Age Calculation in Years. This field will be 0 if age is less than 1 year.	Numeric; Max Length = 3; 999=Unknown	age	Numeric; Max Length = 3; 999=Unknown
6	Date of Birth	Date of Birth	Date; Max Length = 10; MM/DD/YYYY	dob	***1980-2015*** YYYYMMDD 99999999 - Unknown/Not Stated
7	Date of Birth - Month	Date of Birth - Month	Numeric; Max Length = 2 1-12; 99 = Unknown	dob_mo	
8	Date of Birth - Day	Date of Birth - Day	Numeric; Max Length = 2 1-31; 99 = Unknown	dob_da	
9	Date of Birth - Year	Date of Birth - Year	Numeric; Max Length = 4 9999 = Unknown	dob_yr	
10	Date of Death	Date of Death	Date; Max Length = 10; MM/DD/YYYY	dth_date	***1980-2015*** YYYYMMDD 99999999 - Unknown/Not Stated
11	Date of Death - Month	Date of Death - Month	Numeric; Max Length = 2 1-12; 99 = Unknown	dth_mo	
12	Date of Death - Day	Date of Death - Day	Numeric; Max Length = 2 1-31; 99 = Unknown	dth_da	
13	Date of Death - Year	Date of Death - Year	Numeric; Max Length = 4 9999 = Unknown	dth_yr	
14	Date of Death Modifier	Date of Death Modifier	Character; Max Length = 1; A = Actual X = Approximate C = Court Ordered E = Estimated F = Found P = Presumed U = Unknown	dod_modi	***2004-2015*** A - Actual P - Presumed C - Court determined F - Found  ***1980-2003*** Not collected.
15	Time of Death - Hour	Time of Death - Hour	Numeric; Max Length = 2 HH	dth_hour	
16	Time of Death - Minutes	Time of Death - Minutes	Character; Max Length = 3 MM or :MM	dth_min	
17	Time of Death Modifier	Time of Death Modifier	Character; Max Length = 1 A = Actual X = Approximate C = Court Ordered E = Estimated F = Found P = Presumed U = Unknown		



18	Birthplace State FIPS Code	Decedent's Birth State FIPS Code	Character; Max Length = 2 AL - Alabama AK - Alaska AZ - Arizona AR - Arkansas CA - California CO - Colorado CT - Connecticut DE - Delaware DC - District of Columbia FL - Florida GA - Georgia HI - Hawaii ID - Idaho IL - Illinois IN - Indiana IA - Iowa KS - Kansas KY - Kentucky LA - Louisiana ME - Maine MD - Maryland MA - Massachusetts MI - Michigan MN - Minnesota MS - Mississippi MO - Missouri MT - Montana NE - Nebraska NV - Nevada NH - New Hampshire NJ - New Jersey NM - New Mexico		
19	Birthplace Country	Decedent's Birth Country Name	Character; Max Length = 256	birth_country_name	Literal
<b>Note: Occurrence geographies are removed for WA residents who died out of state.</b>					
20	Death City	Death Location City Name	Character; Max Length = 52	death_city_name	Literal
21	Death County	Death Location County	Character; Max Length = 112		
22	Death County City WA Code <b>Discontinued for 2022 forward.</b>	Death Location WA County City Code  County and City of Occurrence City in which the death occurred. — If the death occurred in Washington State, this field will be greater than "0000" or less than "9999"  If a death occurs in a place with a population less than 2,500, it is assigned to the rural portion of the county. — Note: Use this field to select — deaths occurring in a specific — county or city. — See the County and City of Residence to select by place of residence. — Before using this field, see "Death Statistical File Data Notes- City/County/State of Residence and Occurrence."	Character; Max Length = 4; See WA County City Codes Spreadsheet	city_occ	See WA County City Codes Spreadsheet
23	Death County WA Code <b>Discontinued for 2022 forward.</b>	Death Location WA County Code  County of Occurrence City in which the death occurred. If the death occurred in Washington State, this field will be greater than "00" or less than "99"  If a death occurs in a place with a population less than 2,500, it is assigned to the rural portion of the county. — Note: Use this field to select — deaths occurring in a specific — county. — See the County and City of Residence to select by place of residence. — Before using this field, see "Death Statistical File Data Notes- City/County/State of Residence and Occurrence."	Character; Max Length = 2; See WA County City Codes Spreadsheet	ent_occ	See WA County City Codes Spreadsheet

24	Death City FIPS Code	Death City FIPS Code <i>Added starting with 2022 data</i>	Character; Max Length = 5; See FIPS Codes Spreadsheet		
25	Death County FIPS Code	Death County FIPS code <i>Added starting with 2022 data</i>	Character; Max Length = 5; First 2 digits is the state, See FIPS Code Spreadsheet		
26	Death State	Death Location State Name	Character; Max Length = 112		
27	Death Zip Code	Zip Code of Death Occurrence	Character; Max Length = 10 XXXX-XXXX	zip_occ	XXXX
28	Place of Death Type	Facility Type for Place of Death	Numeric; Max Length = 1 0 = Home 1 = Other Place 2 = In Transport 3 = Emergency Room 4 = Hospital (Inpatient) 5 = Nursing Home/Long Term Care 6 = Hospital 7 = Hospice Facility 8 = Other Person's Residence 9 = Unknown	fac_type	***2004-2015*** 0 - Home 1 - Other 2 - Dead on Arrival 3 - Emergency Room 4 - Hospital Inpatient 5 - Nursing Home 6 - Hospital 7 - Hospice 9 - Unknown  ***1980-2003*** 0 - Home 1 - Other Place 2 - In Transport 3 - Emergency Room 4 - Hospital 5 - Nursing Home (includes hospice) 9 - Unknown
29	Death Facility	Facility or Institution of Death Code	Character; Max Length = 3; See Facility Codes Spreadsheet	facility	See Facility Codes Spreadsheet
30	Armed Forces	Decedent ever served in Armed Forces?	Character; Max Length = 1 Y = Yes N = No U = Unknown	armforce	***1980-2015*** 1 - Yes 2 - No 9 - Unknown/Not Stated
31	Marital Status	Marital Status	Character; Max Length = 1 S = Never Married M = Married P = Domestic Partner D = Divorced W = Widowed A = Married but separated U = Unknown	married	***July 2007-2015*** 1 - Never married 2 - Married 3 - Divorced 4 - Widowed 5 - Separated 6 - Domestic Partner 9 - Unknown  ***2004-June 2007*** 1 - Never married 2 - Married 3 - Divorced 4 - Widowed 5 - Separated 9 - Unknown  ***1980-2003*** 1 - Single 2 - Married 3 - Divorced 4 - Widowed

32	Education	Decedent's Education Level	Numeric; Max Length = 1 1 = 8th grade or less 2 = No diploma 9th - 12th grade 3 = High school graduate or GED completed 4 = Some college credit but no degree 5 = Associate degree 6 = Bachelors degree 7 = Masters degree 8 = Doctorate or professional degree 9 = Unknown	educ	***2004-2015*** 01 – 8th grade or less 02 – 9th-12th grade, no diploma 03 – High school graduate or GED 04 – Some college, no degree 05 – Associate degree 06 – Bachelor's degree 07 – Master's degree 08 – Doctorate or Professional degree 09 – Unknown (09 or 99)  ***1992-2003*** 000 - No Education 001 - Completed first grade 002 - Completed second grade 003 - Completed third grade 004 - Completed fourth grade 005 - Completed fifth grade 006 - Completed sixth grade 007 - Completed seventh grade 008 - Completed eighth grade 009 - Completed ninth grade 010 - Completed tenth grade 011 - Completed eleventh grade 012 - High school graduate 013 - Completed 1 year of college 014 - Completed 2 years of college 015 - Completed 3 years of college 016 - College graduate 017 - Post graduate work 099 - Unknown/Not stated (note that SAS program changes these codes
33	Education 8 or Less	Decedent's Education Years If 8 <sup>th</sup> Grade or Less	Numeric; Max Length = 1 0 = No Education or less than 1st grade 1 = Completed 1st grade 2 = Completed 2nd grade 3 = Completed 3rd grade 4 = Completed 4th grade 5 = Completed 5th grade 6 = Completed 6th grade 7 = Completed 7th grade 8 = Completed 8th grade 9 = Unknown	edu_le8	Decedent's Years of Education if highest education level (educ) is 8 <sup>th</sup> grade or less.  ***2004-2015*** 0 – No education 1-8 – 1st–8th grades 9 – Unknown  ***1980-2003*** Not Collected
34	Occupation	Occupation - Literal	Character; Max Length = 160	occ_lit	Literal
35	<b>Occupation Milham Discontinued for 2019 forward.</b>	<b>Usual Occupation – Milham's Code</b>  <b>Sam Milham occupation codes are obtained from a computer program which uses the occupation and industrial literal fields. This program coded about 95% of the records; the remaining 5% need to be hand-coded. The hand coding has not been done for 1993-1996 and for a portion of the 1992 records. For further information please see the "Death Statistical File Data Notes - Occupation (Milham and Federal Codes) and Industry (Federal Codes)."</b>	<b>Character; Max Length = 3; See Milham Code Spreadsheet</b>	<b>occ_sam</b>	<b>See Milham Codes Spreadsheet</b>
36	Industry	Industry - Literal	Character; Max Length = 200	ind_lit	Literal
37	Informant Relationship	Informant Relationship	Character; Max Length = 120	informrl	Literal
38	Race White	Decedent's Race, White	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_wht	***2004-2015*** Y = Yes N = No U = Unknown
39	Race Black	Decedent's Race, Black	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_blk	***2004-2015*** Y = Yes N = No U = Unknown
40	Race Amer Indian Alaskan	Decedent's Race, American Indian/Alaska Native	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_ami	***2004-2015*** Y = Yes N = No U = Unknown
41	Race Asian Indian	Decedent's Race, Asian Indian	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_asi	***2004-2015*** Y = Yes N = No U = Unknown

42	Race Chinese	Decedent's Race, Chinese	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_chi	***2004-2015*** Y = Yes N = No U = Unknown
43	Race Filipino	Decedent's Race, Filipino	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_fil	***2004-2015*** Y = Yes N = No U = Unknown
44	Race Japanese	Decedent's Race, Japanese	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_jap	***2004-2015*** Y = Yes N = No U = Unknown
45	Race Korean	Decedent's Race, Korean	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_kor	***2004-2015*** Y = Yes N = No U = Unknown
46	Race Vietnamese	Decedent's Race, Vietnamese	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_vie	***2004-2015*** Y = Yes N = No U = Unknown
47	Race Other Asian	Decedent's Race, Other Asian	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_oas	***2004-2015*** Y = Yes N = No U = Unknown
48	Race Hawaiian	Decedent's Race, Native Hawaiian	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_haw	***2004-2015*** Y = Yes N = No U = Unknown
49	Race Guamanian or Chamorro	Decedent's Race, Guamanian or Chamorro	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_gua	***2004-2015*** Y = Yes N = No U = Unknown
50	Race Samoan	Decedent's Race, Samoan	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_sam	***2004-2015*** Y = Yes N = No U = Unknown
51	Race Other Pacific Islander	Decedent's Race, Other Pacific Islander	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_opi	***2004-2015*** Y = Yes N = No U = Unknown
52	Race Other	Decedent's Race, Other	Character; Max Length = 1 Y = Yes N = No U = Unknown	race_oth	***2004-2015*** Y = Yes N = No U = Unknown
53	Race Tribe First	Decedent's Race Literal 1, American Indian/Alaska Native	Character; Max Length = 30	race_tribe_lit_1	Literal
54	Race Tribe Second	Decedent's Race Literal 2, American Indian/Alaska Native	Character; Max Length = 30	race_tribe_lit_2	Literal
55	Race Other Asian First	Decedent's Race Literal 1, Other Asian	Character; Max Length = 30	race_other_asian_lit_1	Literal
56	Race Other Asian Second	Decedent's Race Literal 2, Other Asian	Character; Max Length = 30	race_other_asian_lit_2	Literal
57	Race Other PI First	Decedent's Race Literal 1, Other Pacific Islander	Character; Max Length = 30	race_oth_pac_isl_lit_1	Literal
58	Race Other PI Second	Decedent's Race Literal 2, Other Pacific Islander	Character; Max Length = 30	race_oth_pac_isl_lit_2	Literal
59	Race Other First	Decedent's Race Literal 1, Other	Character; Max Length = 30	race_other_lit_1	Literal
60	Race Other Second	Decedent's Race Literal 2, Other	Character; Max Length = 30	race_other_lit_2	Literal
61	<b>Bridge Race Discontinued for 2022 forward.</b>	Decedent's NCHS Bridged Race  Based on all races reported (with editing to remove duplicate race groups) and allows for multiple-race reporting. The NCHS bridged-race variable bridges multiple-race reporting back to one of four race categories (White, Black, American Indian/Alaska Native, and Asian/Pacific Islander) and includes single-race reporting. This variable allows estimation of race-specific statistics based on the four race categories used in the 1977 OMB standards of four race categories. Many national health statistics, including birth and death, continue to be reported using the 1977 OMB standards.	Character; Max Length = 2  Note: for the race codes below, — AIAN = American Indian/Alaska — Native  Single race specified 01 — White 02 — Black 03 — AIAN 04 — Asian Indian 05 — Chinese 06 — Filipino 07 — Japanese 08 — Korean 09 — Vietnamese 10 — Other Asian 11 — Native Hawaiian 12 — Guamanian or Chamorro 13 — Samoan 14 — Other Pacific Islander 15 — Other Bridged multiple specified race 21 — White 22 — Black 23 — AIAN — Asian or Pacific Islander	brg_race	Same as current

62	Race Summary Code	Decedent's Race Summary	Character; Max Length = 2 10 = White 11 = Black 12 = American Indian/Alaska Native 13 = Asian 14 = Native Hawaiian or Pacific Islander 20 = White and Black 21 = White and American Indian/Alaska Native 22 = White and Asian 23 = White and Native Hawaiian or Pacific Islander 24 = Black and American Indian/Alaska Native 25 = Black and Asian 26 = Black and Native Hawaiian or Pacific Islander 27 = American Indian/Alaska Native and Asian 28 = American Indian/Alaska Native and Native Hawaiian or Pacific Islander 29 = Asian and Native Hawaiian or Pacific Islander 30 = White and Black and American Indian/Alaska Native 31 = White and Black and Asian 32 = White and Black and Native Hawaiian or Pacific Islander 33 = White and American Indian/Alaska Native and Asian 34 = White and American Indian/Alaska Native and Native Hawaiian or Pacific Islander 35 = White and Asian and Native Hawaiian or Pacific Islander 36 = Black and American Indian/Alaska Native and Asian	sum_race	Same as current
63	Race Calculation Discontinued for 2022 forward.	Decedent's Race Calculation: Uses race assigned by NCHS bridging methods (see Data Quality Technical Notes for description).	Character; Max Length = 1 1—White 2—Black 3—Native American 4—Chinese 5—Japanese 6—Other Non-White 7—Filipino 8—Refused to State 9—Unknown/Not Stated A—Hawaiian B—Other Asian/Pacific Islander C—Mexican/Chicano/Hispanic D—Asian Indian E—Korean F—Samoan G—Vietnamese H—Guamanian Blank—Not processed by NCHS	race	***2004-2015*** Uses race assigned by NCHS bridging methods (see Death Statistical File Data Notes for description). Coding same as in previous years, plus: Blank—Not processed by NCHS  ***1992-2003*** 1—White 2—Black 3—Native American 4—Chinese 5—Japanese 6—Other Non-White 7—Filipino 8—Refused to State 9—Unknown/Not Stated A—Hawaiian B—Other Asian/Pacific Islander C—Mexican/Chicano/Hispanic D—Asian E—Korean F—Samoan G—Vietnamese H—Guamanian/Chamorro  ***1988-1991*** 1—White 2—Black 3—Native American/Alaska Native 4—Chinese 5—Japanese 6—Other Non-White
64	Hispanic No	Decedent's Hispanic Origin, Not Hispanic	Character; Max Length = 1 Y = Yes N = No U = Unknown	hisp_no	***2004-2015*** Y = Yes N = No U = Unknown
65	Hispanic Mexican	Decedent's Hispanic Origin, Mexican	Character; Max Length = 1 H = Yes N = No U = Unknown	hisp_mex	***2004-2015*** Y = Yes N = No U = Unknown
66	Hispanic Puerto Rican	Decedent's Hispanic Origin, Puerto Rican	Character; Max Length = 1 H = Yes N = No U = Unknown	hisp_pr	***2004-2015*** Y = Yes N = No U = Unknown
67	Hispanic Cuban	Decedent's Hispanic Origin, Cuban	Character; Max Length = 1 H = Yes N = No U = Unknown	hisp_cub	***2004-2015*** Y = Yes N = No U = Unknown

68	Hispanic Other	Decedent's Hispanic Origin, Other Hispanic	Character; Max Length = 1 H = Yes N = No U = Unknown	hisp_oth	***2004-2015*** Y = Yes N = No U = Unknown
69	Hispanic NCHS Bridge	NCHS Bridge Ethnicity  Uses Hispanic ethnicity assigned by NCHS bridging methods (see Death Statistical File Data Notes for description). Coding same as in previous years, plus: Blank – Not processed by NCHS	Numeric; Max Length = 1 0 - Non-Hispanic 1 - Mexican 2 - Puerto Rican 3 - Cuban 4 - Central or South American 5 - Other and Unknown Hispanic 9 - Unknown/Not Stated Blank – Not processed by NCHS	hisp	***2004-2016*** Uses Hispanic ethnicity assigned by NCHS bridging methods (see Death Statistical File Data Notes for description). Coding same as in previous years, plus: Blank – Not processed by NCHS  ***1996-2003*** 0 - Non-Hispanic 1 - Mexican 2 - Puerto Rican 3 - Cuban 4 - Central or South American 5 - Other and Unknown Hispanic 9 - Unknown/Not Stated  ***1988-1995*** 0 - Non-Hispanic 1 - Mexican 2 - Puerto Rican 3 - Cuban 4 - Central or South American 5 - Other Hispanic 6 - Unknown Hispanic 9 - Unknown/Not Stated  ***1980-1987*** Blank Field
70	Residence City	Decedent's Residence City Name	Character; Max Length = 112		
71	Residence City FIPS Code	Decedent's Residence City FIPS Code	Character; Max Length = 5; See FIPS Codes Spreadsheet		
72	Residence City Limits	Decedent's Residence Inside City Limits	Character; Max Length = 1 Y=Yes N=No U=Unknown	incity	***1992-2015*** N - No Y - Yes U - Unknown/Not Stated  ***1980-1991*** Blank Field
73	Residence County	Decedent's Residence County Name	Character; Max Length = 112	res_cnty_literal	Literal
74	<b>Residence County City WA Code</b> <b>Discontinued for 2022 forward.</b>	<b>Decedent's Residence County City Code</b>  County and City of Residence: If the residence is in Washington State, this field will be greater than "0000" or less than "9999."  If the place of residence has a population less than 2,500, it is assigned to the rural portion of the county.  Note: Use this field to select deaths for residents in a specific county or city. See the County and City of Occurrence to select by place of occurrence. Before using this field, see "Death Statistical File Data Notes City/County/State of Residence and Occurrence."	Character; Max Length = 4; See WA County City Codes Spreadsheet	city_res	See WA County City Codes Spreadsheet

75	Residence County WA Code Discontinued for 2022 forward.	Decedent's Residence County Code  County of Residence. If the residence is in Washington State, this field will be greater than "00" or less than "99."  If the place of residence has a population less than 2,500, it is assigned to the rural portion of the county.  Note: Use this field to select deaths for residents in a specific county. See the County and City of Occurrence to select by place of occurrence. Before using this field, see "Death Statistical File Data Notes-City/County/State of Residence and Occurrence."	Character; Max Length = 2; See WA County City Codes Spreadsheet	enty_res	See WA County City Codes Spreadsheet
76	Residence County FIPS Code	Residence County FIPS code	Character; Max Length = 5; First 2 digits is the state, See FIPS Code Spreadsheet		See WA FIPS Codes Spreadsheet
77	Residence State FIPS Code	Decedent's Residence State FIPS Code	Character; Max Length = 2 AL - Alabama AK - Alaska AZ - Arizona AR - Arkansas CA - California CO - Colorado CT - Connecticut DE - Delaware DC - District of Columbia FL - Florida GA - Georgia HI - Hawaii ID - Idaho IL - Illinois IN - Indiana IA - Iowa KS - Kansas KY - Kentucky LA - Louisiana ME - Maine MD - Maryland MA - Massachusetts MI - Michigan MN - Minnesota MS - Mississippi MO - Missouri MT - Montana NE - Nebraska NV - Nevada NH - New Hampshire NJ - New Jersey NM - New Mexico		
78	Residence Zip Code	Decedent's ZIP Code of Residence based on decedent resident address.	Character; Max Length = 5 XXXXX	zipcode	***1989-2015*** 99999 - Unknown/Not Stated  ***1980-1988** Blank Field
79	Res Tribal Reservation Code Discontinued starting with 2020 data.	Decedent's Residence Tribal Reservation Code	Numeric; Max Length = 3; See Reservation Codes Spreadsheet	res_trbe	See Tribal Reservation Codes
80	Residence Length Units	Length of Residence, Unit Type	Character; Max Length = 1 Y = Years M = Months D = Days H = Hours N = Minutes U = Unknown	resunit res_lena	***Blank beginning in 2004*** Replaced by new field at end of file: res_lena  ***1992-2003*** 0 - Years 1 to 99 1 - Years 100 or more 2 - Months 3 - Weeks 4 - Days 5 - Hours 6 - Minutes 9 - Unknown/Not Stated  res_lena ***1992-2015*** 0 - Years 1 to 99 1 - Years 100 or more

					2 - Months 3 - Weeks 4 - Days 5 - Hours 6 - Minutes
81	Residence Length	Number of residence length units	Numeric; Max Length = 3; 999=Unknown	resunum res_auni	<p>***Blank beginning in 2004*** Replaced by new field at end of file: res_auni</p> <p>***1992-2003*** Range of correct values are: 01-99 - Years 1 to 99 00-99 - Years 100 or more 01-11 - Months 01-03 - Weeks 01-31 - Days 01-23 - Hours 01-59 - Minutes 99 - Unknown/Not Stated* *Note: Length of residence is unknown if resunit=9 and resunum=99.</p> <p>***1980-1991*** 99 - Not Collected</p> <p>res_auni 01-99 - Years 1 to 99 00-99 - Years 100 or more 01-11 - Months 01-03 - Weeks 01-31 - Days 01-23 - Hours 01-59 - Minutes 99 - Unknown/Not Stated* *Note: Length of residence is unknown if resunit=9 and resunum=99.</p>
82	Funeral Home Name	Funeral Home Name	Character; Max Length = 512	funeral_home_name	Literal
83	Disposition	Disposition Type	Character; Max Length = 1 B = Burial C = Cremation R = Removal from State D = Donation/Medical Research E = Entombment O = Other N = Body not recovered U = Unknown	disptype	<p>***2004-2015*** 1 - Burial 2 - Cremation 3 - Removal from State 4 - Donation (medical research) 5 - Body Not Recovered 6 - Entombment 7 - Other 9 - Unknown</p> <p>***1980-2003*** 1 - Burial 2 - Cremation 3 - Removal 4 - Medical Research 5 - Body Not Recovered 9 - Unknown</p>
84	Disposition Date	Disposition Date	Date; Max Length = 10 MM/DD/YYYY	dispdata	<p>***1985-2015*** YYYYMMDD 99999999 - Unknown/Not Stated</p> <p>***1980-1984*** 99999999 - Not Collected</p>
85	Disposition Date - Month	Disposition Date - Month	Numeric; Max Length = 2 1-12; 99 = Unknown		
86	Disposition Date - Day	Disposition Date - Day	Numeric; Max Length = 2 1-31; 99 = Unknown		
87	Disposition Date - Year	Disposition Date - Year	Numeric; Max Length = 4 9999 = Unknown		
88	Disposition Place Name	Place of Disposition Name	Character; Max Length = 64	disp_place_name_old (a30) OR disp_place_name (a50)	Literal



89	Certifier Designation	Classification of Certifier of Death	Numeric; Max Length = 1 1 = Physician 2 = Coroner/ME 3 = DO 4 = Chiropractor 5 = Sanipractor 6 = Physician Assistant 7 = ARNP 8 = Not Applicable 9 = Unknown	attclass	***1998-2015*** 01 - Physician, MD 02 - Coroner/Pathologist 03 - Osteopath, DO 04 - Chiropractor 05 - Sanipractor 06 - Physician's Assistant 07 - Nurse Practitioner 09 - Other  ***1980-1997*** 01 - Physician, MD 02 - Coroner/Pathologist 03 - Osteopath, DO 04 - Chiropractor 05 - Sanipractor 09 - Other
90	ME Coroner Referred	Death Referred to the Medical Examiner/Coroner	Character; Max Length = 1 Y = Yes N = No U = Unknown	referred	***1980-2015*** 1 - Yes 2 - Not 9 - Unknown/Not Stated
91	ACME Line 1	TRX Entity-axis codes, ACME line 1	Character; Max Length = 1		Literal
92	ACME Line 2	TRX Entity-axis codes, ACME line 2	Character; Max Length = 1		Literal
93	ACME Line 3	TRX Entity-axis codes, ACME line 3	Character; Max Length = 1		Literal
94	ACME Line 4	TRX Entity-axis codes, ACME line 4	Character; Max Length = 1		Literal
95	ACME Line 5	TRX Entity-axis codes, ACME line 5	Character; Max Length = 1		Literal
96	ACME Line 6	TRX Entity-axis codes, ACME line 6	Character; Max Length = 1		Literal
97	ACME Line 7	TRX Entity-axis codes, ACME line 7	Character; Max Length = 1		Literal
98	ACME Line 8	TRX Entity-axis codes, ACME line 8	Character; Max Length = 1		Literal
99	ACME Line 9	TRX Entity-axis codes, ACME line 9	Character; Max Length = 1		Literal
100	ACME Line 10	TRX Entity-axis codes, ACME line 10	Character; Max Length = 1		Literal
101	ACME Line 11	TRX Entity-axis codes, ACME line 11	Character; Max Length = 1		Literal
102	ACME Line 12	TRX Entity-axis codes, ACME line 12	Character; Max Length = 1		Literal
103	ACME Line 13	TRX Entity-axis codes, ACME line 13	Character; Max Length = 1		Literal
104	ACME Line 14	TRX Entity-axis codes, ACME line 14	Character; Max Length = 1		Literal
105	ACME Line 15	TRX Entity-axis codes, ACME line 15	Character; Max Length = 1		Literal
106	ACME Line 16	TRX Entity-axis codes, ACME line 16	Character; Max Length = 1		Literal
107	ACME Line 17	TRX Entity-axis codes, ACME line 17	Character; Max Length = 1		Literal
108	ACME Line 18	TRX Entity-axis codes, ACME line 18	Character; Max Length = 1		Literal
109	ACME Line 19	TRX Entity-axis codes, ACME line 19	Character; Max Length = 1		Literal
110	ACME Line 20	TRX Entity-axis codes, ACME line 20	Character; Max Length = 1		Literal
111	ACME Sequence 1	TRX Entity-axis codes, ACME Seq Num 1	Character; Max Length = 1		Literal
112	ACME Sequence 2	TRX Entity-axis codes, ACME Seq Num 2	Character; Max Length = 1		Literal
113	ACME Sequence 3	TRX Entity-axis codes, ACME Seq Num 3	Character; Max Length = 1		Literal
114	ACME Sequence 4	TRX Entity-axis codes, ACME Seq Num 4	Character; Max Length = 1		Literal
115	ACME Sequence 5	TRX Entity-axis codes, ACME Seq Num 5	Character; Max Length = 1		Literal
116	ACME Sequence 6	TRX Entity-axis codes, ACME Seq Num 6	Character; Max Length = 1		Literal
117	ACME Sequence 7	TRX Entity-axis codes, ACME Seq Num 7	Character; Max Length = 1		Literal
118	ACME Sequence 8	TRX Entity-axis codes, ACME Seq Num 8	Character; Max Length = 1		Literal
119	ACME Sequence 9	TRX Entity-axis codes, ACME Seq Num 9	Character; Max Length = 1		Literal
120	ACME Sequence 10	TRX Entity-axis codes, ACME Seq Num 10	Character; Max Length = 1		Literal
121	ACME Sequence 11	TRX Entity-axis codes, ACME Seq Num 11	Character; Max Length = 1		Literal
122	ACME Sequence 12	TRX Entity-axis codes, ACME Seq Num 12	Character; Max Length = 1		Literal
123	ACME Sequence 13	TRX Entity-axis codes, ACME Seq Num 13	Character; Max Length = 1		Literal

124	ACME Sequence 14	TRX Entity-axis codes, ACME Seq Num 14	Character; Max Length = 1		Literal
125	ACME Sequence 15	TRX Entity-axis codes, ACME Seq Num 15	Character; Max Length = 1		Literal
126	ACME Sequence 16	TRX Entity-axis codes, ACME Seq Num 16	Character; Max Length = 1		Literal
127	ACME Sequence 17	TRX Entity-axis codes, ACME Seq Num 17	Character; Max Length = 1		Literal
128	ACME Sequence 18	TRX Entity-axis codes, ACME Seq Num 18	Character; Max Length = 1		Literal
129	ACME Sequence 19	TRX Entity-axis codes, ACME Seq Num 19	Character; Max Length = 1		Literal
130	ACME Sequence 20	TRX Entity-axis codes, ACME Seq Num 20	Character; Max Length = 1		Literal
131	ACME Cause Category 1	TRX Entity-axis codes, Cause Category 1	Character; Max Length = 5		Literal
132	ACME Cause Category 2	TRX Entity-axis codes, Cause Category 2	Character; Max Length = 5		Literal
133	ACME Cause Category 3	TRX Entity-axis codes, Cause Category 3	Character; Max Length = 5		Literal
134	ACME Cause Category 4	TRX Entity-axis codes, Cause Category 4	Character; Max Length = 5		Literal
135	ACME Cause Category 5	TRX Entity-axis codes, Cause Category 5	Character; Max Length = 5		Literal
136	ACME Cause Category 6	TRX Entity-axis codes, Cause Category 6	Character; Max Length = 5		Literal
137	ACME Cause Category 7	TRX Entity-axis codes, Cause Category 7	Character; Max Length = 5		Literal
138	ACME Cause Category 8	TRX Entity-axis codes, Cause Category 8	Character; Max Length = 5		Literal
139	ACME Cause Category 9	TRX Entity-axis codes, Cause Category 9	Character; Max Length = 5		Literal
140	ACME Cause Category 10	TRX Entity-axis codes, Cause Category 10	Character; Max Length = 5		Literal
141	ACME Cause Category 11	TRX Entity-axis codes, Cause Category 11	Character; Max Length = 5		Literal
142	ACME Cause Category 12	TRX Entity-axis codes, Cause Category 12	Character; Max Length = 5		Literal
143	ACME Cause Category 13	TRX Entity-axis codes, Cause Category 13	Character; Max Length = 5		Literal
144	ACME Cause Category 14	TRX Entity-axis codes, Cause Category 14	Character; Max Length = 5		Literal
145	ACME Cause Category 15	TRX Entity-axis codes, Cause Category 15	Character; Max Length = 5		Literal
146	ACME Cause Category 16	TRX Entity-axis codes, Cause Category 16	Character; Max Length = 5		Literal
147	ACME Cause Category 17	TRX Entity-axis codes, Cause Category 17	Character; Max Length = 5		Literal
148	ACME Cause Category 18	TRX Entity-axis codes, Cause Category 18	Character; Max Length = 5		Literal
149	ACME Cause Category 19	TRX Entity-axis codes, Cause Category 19	Character; Max Length = 5		Literal
150	ACME Cause Category 20	TRX Entity-axis codes, Cause Category 20	Character; Max Length = 5		Literal
151	ACME Nature of Injury Flag 1	TRX Entity-axis codes, ACME Filler 1	Character; Max Length = 4	injflg1	Literal
152	ACME Nature of Injury Flag 2	TRX Entity-axis codes, ACME Filler 2	Character; Max Length = 1	injflg2	Literal
153	ACME Nature of Injury Flag 3	TRX Entity-axis codes, ACME Filler 3	Character; Max Length = 1	injflg3	Literal
154	ACME Nature of Injury Flag 4	TRX Entity-axis codes, ACME Filler 4	Character; Max Length = 1	injflg4	Literal
155	ACME Nature of Injury Flag 5	TRX Entity-axis codes, ACME Filler 5	Character; Max Length = 1	injflg5	Literal
156	ACME Nature of Injury Flag 6	TRX Entity-axis codes, ACME Filler 6	Character; Max Length = 1	injflg6	Literal
157	ACME Nature of Injury Flag 7	TRX Entity-axis codes, ACME Filler 7	Character; Max Length = 1	injflg7	Literal
158	ACME Nature of Injury Flag 8	TRX Entity-axis codes, ACME Filler 8	Character; Max Length = 1	injflg8	Literal
159	ACME Nature of Injury Flag 9	TRX Entity-axis codes, ACME Filler 9	Character; Max Length = 1	injflg9	Literal
160	ACME Nature of Injury Flag 10	TRX Entity-axis codes, ACME Filler 10	Character; Max Length = 1	injflg10	Literal
161	ACME Nature of Injury Flag 11	TRX Entity-axis codes, ACME Filler 11	Character; Max Length = 1	injflg11	Literal
162	ACME Nature of Injury Flag 12	TRX Entity-axis codes, ACME Filler 12	Character; Max Length = 1	injflg12	Literal
163	ACME Nature of Injury Flag 13	TRX Entity-axis codes, ACME Filler 13	Character; Max Length = 1	injflg13	Literal
164	ACME Nature of Injury Flag 14	TRX Entity-axis codes, ACME Filler 14	Character; Max Length = 1	injflg14	Literal
165	ACME Nature of Injury Flag 15	TRX Entity-axis codes, ACME Filler 15	Character; Max Length = 1	injflg15	Literal
166	ACME Nature of Injury Flag 16	TRX Entity-axis codes, ACME Filler 16	Character; Max Length = 1	injflg16	Literal
167	ACME Nature of Injury Flag 17	TRX Entity-axis codes, ACME Filler 17	Character; Max Length = 1	injflg17	Literal

168	ACME Nature of Injury Flag 18	TRX Entity-axis codes, ACME Filler 18	Character; Max Length = 1	injflg18	Literal
169	ACME Nature of Injury Flag 19	TRX Entity-axis codes, ACME Filler 19	Character; Max Length = 1	injflg19	Literal
170	ACME Nature of Injury Flag 20	TRX Entity-axis codes, ACME Filler 20	Character; Max Length = 1	injflg20	Literal
171	Underlying COD Code	Underlying Cause of Death  ***1999-Present*** For ICD-10 Codes see <a href="http://apps.who.int/classifications/icd10/browse/2010/en">http://apps.who.int/classifications/icd10/browse/2010/en</a> . For those causes that do not have a fourth digit, the last digit in this field will be blank. The decimal point for the ICD-10 code is not included, but is implied between the 3rd and 4th digit of the value in this field. Before using this field, see documents in <a href="http://www.doh.wa.gov/DataandStatisticalReports/VitalStatisticsData/DeathData/ICD10ICD9CodingCauseofDeath.aspx">http://www.doh.wa.gov/DataandStatisticalReports/VitalStatisticsData/DeathData/ICD10ICD9CodingCauseofDeath.aspx</a> and see "Death Statistical File Data Notes-Underlying Cause of Death." A list of ICD-10 codes can be found in "icd10.docx" in documentation. New ICD-10 codes for terrorism (U01-U03) were added in 2001.  ***1980-1998*** For ICD-9 Codes see <a href="http://www.cdc.gov/nchs/icd/icd9.htm">http://www.cdc.gov/nchs/icd/icd9.htm</a> For those causes that do not have a fourth digit, the last digit in this field will be blank. The decimal point for the ICD-9 code is not included, but is implied between the 3rd and 4th digit of the value in this field. For example, a value of 052 translates into an ICD-9 code of 052 (chicken pox) while a code of 0410 translates into 041.0 (Strep infection).	Character; Max Length = 4	underly	***1999-Present*** For ICD-10 Codes see <a href="http://apps.who.int/classifications/icd10/browse/2010/en">http://apps.who.int/classifications/icd10/browse/2010/en</a> . For those causes that do not have a fourth digit, the last digit in this field will be blank. The decimal point for the ICD-10 code is not included, but is implied between the 3rd and 4th digit of the value in this field. Before using this field, see documents in <a href="http://www.doh.wa.gov/DataandStatisticalReports/VitalStatisticsData/DeathData/ICD10ICD9CodingCauseofDeath.aspx">http://www.doh.wa.gov/DataandStatisticalReports/VitalStatisticsData/DeathData/ICD10ICD9CodingCauseofDeath.aspx</a> and see "Death Statistical File Data Notes-Underlying Cause of Death." A list of ICD-10 codes can be found in "icd10.docx" in documentation. New ICD-10 codes for terrorism (U01-U03) were added in 2001.  ***1980-1998*** For ICD-9 Codes see <a href="http://www.cdc.gov/nchs/icd/icd9.htm">http://www.cdc.gov/nchs/icd/icd9.htm</a> For those causes that do not have a fourth digit, the last digit in this field will be blank. The decimal point for the ICD-9 code is not included, but is implied between the 3rd and 4th digit of the value in this field. For example, a value of 052 translates into an ICD-9 code of 052 (chicken pox) while a code of 0410 translates into 041.0 (Strep infection).
172	Record Axis Code 1	ICD Cause of Death Code (1st)	Character; Max Length = 4	mltscse1	Literal
173	Record Axis Code 2	ICD Cause of Death Code (2nd)	Character; Max Length = 4	mltscse2	Literal
174	Record Axis Code 3	ICD Cause of Death Code (3rd)	Character; Max Length = 4	mltscse3	Literal
175	Record Axis Code 4	ICD Cause of Death Code (4th)	Character; Max Length = 4	mltscse4	Literal
176	Record Axis Code 5	ICD Cause of Death Code (5th)	Character; Max Length = 4	mltscse5	Literal
177	Record Axis Code 6	ICD Cause of Death Code (6th)	Character; Max Length = 4	mltscse6	Literal
178	Record Axis Code 7	ICD Cause of Death Code (7th)	Character; Max Length = 4	mltscse7	Literal
179	Record Axis Code 8	ICD Cause of Death Code (8th)	Character; Max Length = 4	mltscse8	Literal
180	Record Axis Code 9	ICD Cause of Death Code (9th)	Character; Max Length = 4	mltscse9	Literal
181	Record Axis Code 10	ICD Cause of Death Code (10th)	Character; Max Length = 4	mltscse10	Literal
182	Record Axis Code 11	ICD Cause of Death Code (11th)	Character; Max Length = 4	mltscse11	Literal
183	Record Axis Code 12	ICD Cause of Death Code (12th)	Character; Max Length = 4	mltscse12	Literal
184	Record Axis Code 13	ICD Cause of Death Code (13th)	Character; Max Length = 4	mltscse13	Literal
185	Record Axis Code 14	ICD Cause of Death Code (14th)	Character; Max Length = 4	mltscse14	Literal
186	Record Axis Code 15	ICD Cause of Death Code (15th)	Character; Max Length = 4	mltscse15	Literal
187	Record Axis Code 16	ICD Cause of Death Code (16th)	Character; Max Length = 4	mltscse16	Literal
188	Record Axis Code 17	ICD Cause of Death Code (17th)	Character; Max Length = 4	mltscse17	Literal
189	Record Axis Code 18	ICD Cause of Death Code (18th)	Character; Max Length = 4	mltscse18	Literal
190	Record Axis Code 19	ICD Cause of Death Code (19th)	Character; Max Length = 4	mltscse19	Literal
191	Record Axis Code 20	ICD Cause of Death Code (20th)	Character; Max Length = 4	mltscse20	Literal
192	Autopsy	Autopsy  Indicates whether an autopsy was performed.	Character; Max Length = 1 Y = Yes autopsy performed N or X = No autopsy not performed U = Unknown	autopsy	***1980-2015*** 1 - Yes 2 - No 9 - Unknown/Not Reported
193	Autopsy Available	Autopsy Available	Character; Max Length = 1 Y = Yes X = No	autopava	***2004-2015*** 1 - Yes 2 - No 8 - Not reported 9 - Unknown  ***1980-2003*** Not collected.

194	Pregnancy	Pregnancy Status	Numeric; Max Length = 1 1 = Not pregnant within the past year 2 = Pregnant at the time of death 3 = Not pregnant, but pregnant within 42 days of death 4 = Not pregnant, but pregnant 43 days to 1 year before death 8 = No response 9 = Unknown if pregnant within the past year	pregstat	***2004-2015*** 0 – Pregnancy status missing 1 – Not pregnant within 1 year 2 – Pregnant at death 3 – Not pregnant, but w/in 42 days 4 – Not pregnant, but 43 days to 1yr 8 – Not applicable 9 – Unknown  ***1980-2003*** Not Collected
195	Tobacco	Smoking Status	Character; Max Length = 4 Y = Yes N = No P = Probably U = Unknown	smoking tbcontri	smoking Indicates whether decedent smoked in last 15 years.  ***Blank beginning in 2004*** Replaced by new field at end of file: tbcontri  ***1988-2004*** 1 - Yes 2 - No 9 - Unknown/Not stated  ***1980-1987*** 0 - Not Collected  tbcontri ***2004-2015*** 1 – Yes 2 – No 7 – Probably 8 – Not reported 9 – Unknown  ***1980-2003***
196	Manner	Reported Manner of Death	Character; Max Length = 1 N = Natural A = Accident S = Suicide H = Homicide C = Undetermined P = Pending	rinj_caus	***2006-2015*** 1 – Natural 2 – Accident 3 – Suicide 4 – Homicide 5 – Undetermined 6 – Pending
197	Date of Injury	Date of Injury - Provided through query process	Date: Max Length = 10; MM/DD/YYYY	inj_date	***1980-2015*** YYYYMMDD 99999999 - Unknown/Not Stated Blank - Not Applicable
198	Date of Injury - Month	Date of Injury - Month	Numeric; Max Length = 2 1-12; 99 = Unknown		
199	Date of Injury - Day	Date of Injury - Day	Numeric; Max Length = 2 1-31; 99 = Unknown		
200	Date of Injury - Year	Date of Injury - Year	Numeric; Max Length = 4 9999 = Unknown		
201	Injury Date Modifier	Date of Injury Modifier - Provided through query process	Character; Max Length = 1 A = Actual X = Approximate C = Court Ordered E = Estimated F = Found P = Presumed U = Unknown		
202	Time of Injury - Hour	Time of Injury - Hour	Numeric; Max Length = 2 1-24; 99 = Unknown	inj_hour	
203	Time of Injury - Minutes	Time of Injury - Minutes	Character; Max Length = 2 00-59; Unknown = blank	inj_min	
204	Time of Injury Modifier	Time of Injury Modifier - Provided through query process	Character; Max Length = 1 A = Actual X = Approximate C = Court Ordered E = Estimated F = Found P = Presumed U = Unknown		
205	Injury Place	Place of Injury - Provided through query process	Character; Max Length = 50		

206	Injury ACME Place	Place of Injury Type Code	Numeric; Max Length = 1 0 = Home 1 = Residential Institution 2 = School, other institution and public administrative area 3 = Sports and Athletics Area 4 = Street and Highway 5 = Trade and service area 6 = Industrial and construction areas 7 = Farm 8 = Other specified places 9 = Unspecified Place	injpnchs	***1999-2015*** 0 – Home (Excludes: abandoned or derelict house (8), home under construction, but not yet occupied(6), institutional place of residence (1); Includes: about home, apartment, army camp, boarding house, cabin, caravan (trailer) park – residential, farm house, Hogan, home premises, home sidewalk, home swimming pool, house (residential), noninstitutional place of residence, penthouse, private driveway to home, private garage, private garden to home, private walk to home, private wall to home, residence, rooming house, swimming pool in private home or garden, trailer camp or court, yard (not otherwise specified), yard to home)  1 – Residential Institution (Includes: almshouse, army camp, children’s home, dormitory fraternity house, home for the sick, hospice, institution (any type), jail, military (camp)(reservation), nurse’s home, nursing home, old people’s home, orphanage, penitentiary, pensioner’s home, prison, prison camp, reform school, sorority house, state hospital)  2 – School, other institution and public administrative area(Excludes: building under construction (6), residential
207	Injury City	Place of Injury City - Provided through query process	Character; Max Length = 28	injury_city_name	Literal
208	<b>Injury County City WA Code Discontinued for 2022 forward.</b>	<b>Place of Injury County/City WA Code</b>  <b>County and City of External Injury</b> <b>If an external injury occurred in Washington State, this field will be greater than '0000' or less than '9999.'</b>  <b>If the injury occurs in a place with a population less than 2,500, it is assigned to the rural portion of the county.</b>  <b>Before using this field, see "Death Statistical File Data Notes- City/County/State of Residence and Occurrence."</b>	<b>Character; Max Length = 4; See WA County City Code Spreadsheet</b>	city_inj	<b>See WA County City Codes Spreadsheet</b>
209	<b>Injury County WA Code Discontinued for 2022 forward.</b>	<b>Place of Injury County WA Code</b>  <b>County of External Injury</b> <b>If an external injury occurred in Washington State, this field will be greater than '00' or less than '99.'</b>  <b>If the injury occurs in a place with a population less than 2,500, it is assigned to the rural portion of the county.</b>  <b>Before using this field, see "Death Statistical File Data Notes- City/County/State of Residence and Occurrence."</b>	<b>Character; Max Length = 2; See WA County City Code Spreadsheet</b>	enty_inj	<b>See WA County City Codes Spreadsheet</b>
210	Injury City FIPS Code	Injury City FIPS Code <i>Added starting with 2022 data</i>	Character; Max Length = 5; See FIPS Codes Spreadsheet		
211	Injury County FIPS Code	Injury County FIPS code <i>Added starting with 2022 data</i>	Character; Max Length = 5; First 2 digits is the state, See FIPS Code Spreadsheet		
212	Injury County	Place of Injury County - Provided through query process	Character; Max Length = 28	injury_county_name	Literal
213	Injury State	Place of Injury State - Provided through query process	Character; Max Length = 28		
214	Injury Zip Code	Place of Injury Zip Code	Character; Max Length = 10 XXXXX-XXXX	zipinjoc	XXXXX

215	Injury at Work	Injury at Work	Character; Max Length = 1 Y = Yes N = No U = Unknown	injatwrk	***1980-2015*** 0 - Not Applicable 1 - Yes 2 - No 9 - Unknown
216	Injury Transportation	Transport Injury Role	Character; Max Length = 64 DRIVER/OPERATOR PASSENGER PEDESTRIAN OTHER	transinj	***2004-2015*** 1 - Driver 2 - Passenger 3 - Pedestrian 4 - Other 8 - N/A 9 - Unknown  ***1980-2003*** Not Collected.
217	Date Received	County Receive Date	Date; Max Length = 10 MM/DD/YYYY	rcvdt	***1980-2015*** YYYYMMDD 99999999 - Unknown/Not Stated
218	Local File Number	County File Number File number assigned by county Health department. The file number is only unique within each county.	Character; Max Length = 20	cntyfile	Literal
219	Funeral Home Code	Funeral Home Code	Character; Max Length = 4 See Funeral Home Codes Spreadsheet	funeralc	Character; Max Length = 4 See Funeral Home Codes Spreadsheet
220	Disposition Facility Code	Disposition Facility Code	Character; Max Length = 4; See Cemetery Codes Spreadsheet	disp_fac	Character; Max Length = 4; See Cemetery Codes Spreadsheet
221	<b>Note: The flag fields below are only available in final annual data files.</b>				
222	All Drugs	Disease/injury flag Drug (total) overdose: underlying cause of death codes X40-X44, X60-X64, X85, Y10-Y14	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
223	Opioids	Disease/injury flag Opioid (unspecified) overdose: "Drug all" = 1 & multiple cause of death codes T40.0-T40.4	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
224	Heroin	Disease/injury flag Heroin overdose: "Drug all" = 1 & multiple cause of death code T40.1	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
225	Natural Semisynthetic Opioid	Disease/injury flag Natural and semisynthetic opioid overdose: "Drug all" = 1 & multiple cause code T40.2	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
226	Methadone	Disease/injury flag Methadone overdose: "Drug all" = 1 & multiple cause code T40.3	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
227	Synthetic Opioid	Disease/injury flag Synthetic opioid (including fentanyl, excluding methadone) overdose: "Drug all" = 1 & multiple cause code T40.4	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
228	Cocaine	Disease/injury flag Cocaine overdose: "Drug all" = 1 & multiple cause code T40.5	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
229	Prescription Opioid	Disease/injury flag Prescription drug overdose: "Drug all" = 1 & multiple cause code T40.2-T40.4	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
230	Psychostimulant	Disease/injury flag Psychostimulant overdose: "Drug all" = 1 & multiple cause code T43.6	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
231	Suicide All	Disease/injury flag Suicide - total: underlying cause codes U03, X60-X84, or Y87.0	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
232	Suicide firearm	Disease/injury flag Suicide - by firearm: underlying cause codes X72-X74	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
233	Suicide Asphyxia	Disease/injury flag Suicide - by asphyxia: underlying cause codes X70	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
234	Suicide Poisoning	Disease/injury flag Suicide - by poisoning: underlying cause codes X60-X69	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		

235	Suicide Other	Disease/injury flag Suicide - by other means: underlying cause codes U03, X60-69, X71, X75-84, Y87.0	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
236	Firearm All	Disease/injury flag All firearm deaths: underlying cause codes W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
237	Firearm Unintentional	Disease/injury flag Unintentional firearm deaths: underlying cause codes W32-W34	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
238	Firearm Homicide	Disease/injury flag Homicide with firearm: underlying cause codes X93-X95	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
239	Firearm Undetermined	Disease/injury flag Firearm deaths - undetermined intent: underlying cause codes Y22-Y24	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
240	Firearm Suicide	Disease/injury flag Unintentional firearm deaths: underlying cause codes X72-X74	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
241	Firearm Legal	Disease/injury flag Firearm deaths due to legal intervention: underlying cause codes Y35.0	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
242	Malignant Neoplasm	Disease/injury flag All malignant neoplasm deaths: underlying cause codes C00-C9	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
243	Heart Disease	Disease/injury flag Heart disease deaths: underlying cause codes I00-I09, I11, I13, I20-I51	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
244	Alzheimers	Disease/injury flag Alzheimers disease deaths: underlying cause code G30	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
245	Unintentional Injury	Disease/injury flag All unintentional injury deaths: underlying cause codes V01-X59, Y85-Y86	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
246	Chronic Lower Respiratory	Disease/injury flag Chronic lower respiratory disease deaths: underlying cause codes J40-J4	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
247	Cerebrovascular Disease	Disease/injury flag Cerebrovascular disease deaths: underlying cause code I60-I69	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
248	Diabetes	Disease/injury flag Diabetes mellitus deaths: underlying cause codes E10-E14	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
249	Chronic Liver Disease	Disease/injury flag Chronic liver disease and cirrhosis deaths: underlying cause codes K70, K73-K74	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
250	Influenza Pneumonia	Disease/injury flag Influenza and pneumonia deaths: underlying cause codes J09-J18	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
251	Parkinsons	Disease/injury flag Parkinsons disease deaths: underlying cause codes G20-G21	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
252	Essential Hypertension	Disease/injury flag Essential (primary) hypertension and hypertensive renal disease deaths: underlying cause code I10, I12, I15	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
253	Pneumonitis	Disease/injury flag Deaths from pneumonitis due to solids and liquids: underlying cause code J69	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		
254	Homicide	Disease/injury flag Deaths from homicide: underlying cause code U01-U02, X85-Y09, Y87.1	Numeric; Max Length = 2 0 = Condition not present 1 = Condition present		

## Cause of Death Literals File

Center for Health Statistics, Washington State Department of Health  
CSV format

Field Number	Field Name	Description
1	State File Number	Death certificate number (use to link to other death files)
2	Cause of Death Line A	Text of cause of death line 34a
3	Cause of Death Line B	Text of cause of death line 34b
4	Cause of Death Line C	Text of cause of death line 34c
5	Cause of Death Line D	Text of cause of death line 34d
6	Interval Line A	Text of time interval between onset of 34a and death
7	Interval Line B	Text of time interval between onset of 34b and death
8	Interval Line C	Text of time interval between onset of 34c and death
9	Interval Line D	Text of time interval between onset of 34d and death
10	Conditions Part II	Text of other significant conditions contributing to death (line 35)
11	Injury Description	Text of description of how injury occurred (line 46)
12	Injury Place	Text of physical location of the place of injury (line 43)



## Death Names Files

Center for Health Statistics, Washington State Department of Health  
CSV format

Field Number	Field Name	Description	Format/Labels
1	State File Number	Death Certificate Number	YYYYNNNNNN
2	Decedent Last Name	Decedent's Last Name	
3	Decedent First Name	Decedent's First Name	
4	Decedent Middle Name	Decedent's Middle Name	
5	Decedent Suffix	Decedent's Suffix	
6	Sex	Sex of Decedent	M = Male F = Female U = Unknown
7	Age Type	Age Unit Type	1 = Years 2 = Months 3 = Days 4 = Hours 5 = Minutes 9 = Unknown/Not Stated
8	Age	Number of Units of Age	
9	Date of Birth	Date of Birth	MM/DD/YYYY
10	Date of Birth - Month	Date of Birth - Month	MM
11	Date of Birth - Day	Date of Birth - Day	DD
12	Date of Birth - Year	Date of Birth - Year	YYYY
13	Social Security Number	Social Security Number	
14	Date of Death	Date of Death	MM/DD/YYYY
15	Date of Death - Month	Date of Death - Month	MM
16	Date of Death - Day	Date of Death - Day	DD
17	Date of Death - Year	Date of Death - Year	YYYY
18	Residence Street	Residential Street Address	
19	Residence City	Residence City Literal	
20	Residence County	Residence County Literal	
21	Residence State	Residence State Literal	
22	Residence Zip Code	Residence Zip	
23	Death County	Death County Literal	
24	Underlying COD Code	Cause of death ICD-10 code 1968-1998 ICD-9 code	

Note: The Death Names Files require signed [Declaration of Purpose](#) for non-governmental requestors.

## APPENDIX F

### Tribal Data Sovereignty Principles

These Tribal Data Sovereignty Principles were drafted in partnership with WA Tribes based on the Governor's Indian Health Advisory Council's Principles. These principles are included in our data sharing agreements at DOH as a reflection of our commitment to uphold these principles and our government-to-government relations with Tribes.

Tribal data sovereignty asserts the rights of Tribal Nations to govern the collection, ownership, and application of their own data, this derives from Tribes' inherent right to govern their peoples, lands, and resources. To uphold Tribal Data Sovereignty principles, DOH may sign Tribe-specific Data Sharing Agreements, which include provisions for data sharing and consent for data use via a Tribal Nation Data Use Form.

By signing this agreement, the Information Recipient acknowledges the sovereignty of the Tribal Nations outlined in these principles.

1. **Inherent Authority to Manage Data.** Tribes hold the sovereign authority to manage the collection, ownership, application and interpretation of their own data even when it is collected by federal, state, or local governments and/or other third parties.
2. **Ownership of and Authority Over Tribal Data.** Tribes retain an ownership interest in data and authority even when the Tribe's data are located in a state, federal or other datasets. This interest remains when the Tribe's data are aggregated with other data.
3. **Informed Consent.** Tribes have the right to informed consent on how their data, including protected health information about Tribal members, are used or shared with third parties.
4. **Equitable Access to Data.** Tribes have the right to exercise their Tribal data sovereignty and must have the same or enhanced access to state data as other public health jurisdictions to effectively carry out their governmental duties.
5. **Partnership.** The agency will make reasonable efforts to collaborate with Tribes, as equal partners, as outlined in the RCW 43.376.020 (Government-to-government relationships—State agency duties) and DOH Collaboration & Consultation guidance, and other Tribal data initiatives.
6. **Privacy and Security Protections.** DOH will work collaboratively with Tribes and use required administrative, technical and physical security practices to protect Tribal data and the confidentiality of Tribal data.
7. **Tribal Sovereignty and Third-Party Relationships.** DOH respects the sovereign rights of Tribes to enter into other agreements or collaborate with third parties as they deem appropriate.
8. **Tribal Data Sovereignty and Third-Party Accountability.** DOH will ensure third-party accountability for adherence to these principles, any applicable privacy laws, and Tribal expectations for the appropriate use of Tribal data.