



NATIONAL FIRE INFORMATION DATABASE (NFID)

USER GUIDE

July, 2017



Statistics
Canada Statistique
Canada

Canada



Public Safety
Canada

Sécurité publique
Canada

TABLE OF CONTENTS

	Page
1. NFID User Guide – Purpose	1
2. NFID – Database Overview	1
3. File Specifications.....	1
Incident File	1
Victim File	2
4. Notes Concerning the Use of Data	3
5. Linking Between the Victim and Incident Files	4
6. Available Formats for NFID Files.....	4
7. Data Coverage and Limitations	4
8. Other Social Domain Data	5
Naming Conventions for Census/NHS Data Elements	5
Uniform Crime Reporting (UCR) Survey Data	6
Appendix A: Jurisdictional Data Availability, by Year	7
Appendix B: Data Elements Reported to the NFID, by Jurisdiction	8
Appendix C: Record Layout – Incident File, by Order of Variables in File.....	13
Appendix D: Record Layout – Incident File, Alphabetical Order.....	16
Appendix E: Record Layout – Victim File, by Order of Variables in File.....	19
Appendix F: Record Layout – Victim File, Alphabetical Order	20

For assistance with the NFID files or for other related inquiries, please contact Information and Client Services at the Canadian Centre for Justice Statistics at ccjscssj@canada.ca, or if you wish to speak to someone immediately, please call (800) 387-2231 or (613) 951-9023 and an information officer will gladly help with your request.

1. NFID User Guide – Purpose

The NFID User Guide is intended to be used in conjunction with the NFID Data Dictionary which provides detailed descriptions and code sets for each of the variables in the database.

The User Guide provides details on the database structure, including file specifications, how to link between the files, data reported by jurisdiction (years and data elements), and high level information concerning data quality and limitations.

Also provided are high level frequencies (i.e., record counts) by file type, jurisdiction and year.

2. NFID – Database Overview

The data in the NFID were provided by seven provincial Fire Marshals and Fire Commissioners Offices, who were asked to submit two files to Statistics Canada – an incident file and a victim file. New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and the Canadian Armed Forces contributed data to the NFID (to varying degrees).

There were variations in the file content from jurisdiction to jurisdiction in regards to variable names, code values, descriptions and levels of detail provided, all of which have been standardized in the NFID.

In addition to the fire-related data reported by the seven jurisdictions, where possible, other socio-economic data (such as income, education and crime rates) have been provided based on geographical information provided in regards to the fire incident.

The database includes data from 2005 to 2015, however not all jurisdictions reported data for all years. Refer to Appendix A entitled “Jurisdictional Data Availability by Year” for details on the years of coverage by jurisdiction for each of the incident and victim files.

3. File Specifications

Incident File (`cafc_nfid_incident.sas7bdat`)

The unit of analysis in the incident file is a single fire incident responded to by a fire service within the reporting jurisdiction and reference period. A unique record within a jurisdiction is identified by the unique key INCDNTID (Incident ID).

A single record in the incident file represents a single fire incident and contains information (where available) about the date and location of the fire, the property description, fire protection features, circumstances contributing to the outbreak of the fire, factors relating to the origin and spread of fire, fire loss details, and the discovery of fire and actions taken. Please refer to Appendix B entitled “Data Elements Reported to the NFID, by Jurisdiction” for details on the information provided by each of the participating jurisdictions.

There are data elements that have a large number of possible response codes. “**Grouped variables**” were created whereby the individual classifications were categorized into common themes. Grouped variables were created for the following variables: Major Occupancy; Property

Classification; Igniting Object; Material First Ignited; Act or Omission; Area of Origin; and Method of Fire Control and Extinguishment.

The grouping of these variables (where there may be a large number of small frequencies by individual categories, and variation in reporting by jurisdiction) allows for more generalized (yet focused) analysis of data. These groupings also facilitate comparability between jurisdictions (and over time). Control totals for these grouped variables are available as a supplementary document to this guide.

As mentioned previously, additional social domain data from Statistics Canada (e.g., 2006 Census/2011 National Household Survey, Uniform Crime Reporting Survey (UCR)) have been added to incident records, where possible. This information refers to the general geographical location of the fire incident. See the section on "Other Social Domain Data" later in this guide, as well as the NFID Data Dictionary for further details.

There are 129 variables in the incident file, and total of 467,929 records. The record count by jurisdiction and year for this file is presented below in Table A.

Table A: Number of incident records in the NFID by jurisdiction and year

Year	Jurisdiction							Total
	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canadian Armed Forces	
2005	1,995	28,790	5,316	-	5,120	7,250	237	48,708
2006	2,078	25,909	6,090	-	5,024	8,073	241	47,415
2007	2,232	27,048	5,986	-	5,078	7,846	315	48,505
2008	1,847	21,916	5,471	-	5,504	8,092	284	43,114
2009	1,431	23,967	5,529	-	4,989	8,720	466	45,102
2010	1,787	24,331	5,804	-	5,084	7,305	367	44,678
2011	1,819	21,610	5,170	-	7,424	6,635	432	43,090
2012	1,687	24,495	5,328	2,644	5,993	7,055	447	47,649
2013	1,543	19,164	3,754	2,432	5,734	6,676	323	39,626
2014	1,509	18,725	3,624	2,399	5,735	6,593	259	38,844
2015	1,674	-	3,420	2,465	6,022	7,154	463	21,198
Total	19,602	235,955	55,492	9,940	61,707	81,399	3,834	467,929

Please refer to Appendices C and D for the record layout for the incident file. It has been presented two ways: (i) in the order that the variables appear in the file; and (ii) in alphabetical order.

Victim File (cafc_nfid_victim.sas7bdat)

A single record in the victim file represents either a single death or a single person injured as a result of the fire incident. Information on the characteristics of the victim such as the age, sex, and status (i.e., civilian versus firefighter), the nature of the casualties sustained have been provided. Additionally where available, data related to the victims' actions, cause of failure to escape, and the type of fabric ignited have been reported.

There are 31 variables in the victim file and a total of 15,326 records. The record count by jurisdiction and year for this file is presented below in Table B.

Table B: Number of victim records in the NFID by jurisdiction and year

Year	Jurisdiction						Total
	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	
2005	-	1,030	35	-	284	230	1,579
2006	-	822	24	-	269	224	1,339
2007	-	936	38	-	228	215	1,417
2008	-	757	26	-	273	266	1,322
2009	-	973	29	-	233	253	1,488
2010	63	942	27	-	232	223	1,487
2011	81	868	38	-	211	247	1,445
2012	67	939	27	28	221	302	1,584
2013	54	942	15	19	181	292	1,503
2014	54	899	12	29	198	275	1,467
2015	54	-	16	30	378	217	695
Total	373	9,108	287	106	2,708	2,744	15,326

Please refer to Appendices E and F for the record layout for the victim file. It has been presented two ways: (i) in the order that the variables appear in the file; and (ii) in alphabetical order.

4. Notes Concerning Use of Data

Numeric variables

As noted in the NFID Data Dictionary, blanks in numeric fields may mean any of the following: (i) the value was unknown/undetermined for that particular incident; (ii) the value is "zero" but was not recorded in the jurisdictional system as such; or (iii) the data element is not available in the jurisdictional system (in which case this field will always be blank).

In some numeric fields, there are some "extreme" values, which may or may not be true values. Caution should be used in the analysis of numeric fields, controlling for extreme values.

Additionally, some jurisdictions seem to use "reserve" codes to refer to "unknown/undetermined" values. For example, there are instances of high frequencies of "1", "99", "999", "9999", etc. combinations. Again, caution should be used where these high frequency "values" exist.

Categorical variables

As indicated in the NFID Data Dictionary, blanks for categorical variables denote strictly that the variable was not available in the jurisdictional system (or not provided in the file submitted to the NFID).

Where a data element is reported, but the value was unknown or undetermined for a particular incident, it has been coded to the assigned code value representing "Unknown/undetermined" for that variable.

5. Linking Between the Victim and Incident Files

The primary (i.e., “unique”) key in the incident file is the Linking ID (LINK_ID). In the victim file, the LINK_ID is a foreign (non-unique) key in that a single incident may have multiple victims.

Note that the incident file has been sorted by LINK_ID, JURIS, YEAR, MONTH, DATE, INCDNTID and the victim file by LINK_ID, JURIS, YEAR INCDNTID, however when using each file individually, they may be sorted by any variable without compromising the integrity of the tables.

Please note that there are 165 victim records in New Brunswick that do not have a corresponding incident record (LINK_ID = 468000 to 468137), and 141 such records in Ontario (LINK_ID = 467930 to 467999).

6. Available Formats for NFID Files

The CCJS provided the CAFC with three different formats for each of the incident and victim files – SAS, SPSS and MS Excel.

Additional formats (e.g., .csv, Stata, .dbf) may be available upon request.

7. Data Coverage and Limitations

As mentioned, seven jurisdictions provided fire-related data for the pilot NFID project. However, not all jurisdictions were able to provide the complete 11 years of fire incident and victim information. British Columbia, Alberta Manitoba, and Ontario all provided at least 10 years of data for both fire incidents and victims. Appendix A provides the years of data provided by each of the seven participating jurisdictions, by the type of information (incident and victim).

Note that all jurisdictions reported data for 2015 with the exception of Ontario whose data for that year were not finalized at the time of the request for data.

New Brunswick did not provide information related to the type of property, and data related to deaths and persons injured as a result of fire incidents were not provided by the Canadian Armed Forces.

Additionally, there is an unknown level of underreporting of fire incidents across the country. Not all fire services report their fire incident information to their respective Fire Commissioner’s/Fire Marshal’s Office. Others may report, but not on a consistent basis. This may be true of where fire services are provided primarily or solely by volunteer firefighters or smaller municipalities with small scale operations, and limited resources and capacity to complete the various reports. In some jurisdictions, reporting by First Nations fire services may or may not be included, and may not be mandatory. However, it is believed amongst the fire services community that fire-related deaths are more consistently recorded.

It should also be noted that the degree of underreporting for Saskatchewan may be higher than in other jurisdictions. This is due to the fact that data were provided for only those municipalities (including towns, cities, villages, etc.) that are using the NFIRS (National Fire Incident Reporting System), a U.S.-based records management system.

High Proportion of “Unknowns”

A number of the variables in the NFID contain a relatively high proportion of unknown values. This should be considered in the analysis and interpretation of data, using caution by excluding these records in the calculation of proportions, univariate analysis, etc. Note that results may result in the artificial inflation of “known” proportions of totals.

8. Other Social Domain Data

In addition to data collected by Fire Commissioners and Fire Marshals Offices, the NFID hosts other social domain data produced by Statistics Canada, to assist new relevant, evidence-based research related to fire, public safety, and security.

Other social domain data have been provided on NFID incident records where (i) the geographical information for the incident was of sufficient quality to map to a Standard Geographical Code (SGC); and (ii) data were available for the data element at the particular SGC level (i.e., data may be suppressed for certain geographies due to data quality issues or for reasons of possible disclosure of an individual).¹

Based on the two criteria above, where available (and applicable), other social domain data elements in the NFID have been provided at the census subdivision (CSD) and census metropolitan (CMA)/census agglomeration (CA) levels.

In an attempt to account for any possible gaps, data (where available) have been provided from both the 2006 Census and the 2011 National Household Survey (*NHS*).

Naming Conventions for Census/NHS Data Elements

Data elements from the 2006 Census and 2011 NHS have extensions following their label. For example, the label for the “PERCENT OF LONE PARENT HOUSEHOLDS” data element is LONEPAR. In the NFID, there are 4 data elements related to lone parent households, based on the level of geography and Census year.

Where LONEPAR_CMA6, _CMA6 refers to 2006 data at the CMA/CA level;
LONEPAR_CSD6, _CSD6 refers to 2006 data at the CSD level;
LONEPAR_CMA11, _CMA11 refers to 2011 data at the CMA/CA level;
LONEPAR_CSD11, _CSD11 refers to 2011 data at the CSD level

Uniform Crime Reporting (UCR) Survey Data

¹ For information on the SGC codes and the other social domain data elements provided on the NFID incident file and their definitions, please refer to Section K “Other Social Domain Data” in the NFID Data Dictionary.

Police-reported crime data collected by Statistics Canada's UCR Survey are sent at what is referred to as the "Police respondent level", which in its most general sense, refers to a municipal, provincial police service, or local RCMP detachment. Police boundaries do not directly map to the Standard Geographical Codes as provided in the NFID – census metropolitan area (CMA) and census subdivision area (CSD).

Crime data are not publicly disseminated by CSDs as a regular product. This is due to the fact that police service boundaries do not necessarily correspond with CSD boundaries. It should be noted that the crime rates presented are by police service, and for the purpose of the NFID, have been "mapped" as closely as possible to a corresponding CSD.

Caution should be used in interpreting the crime data (including the crime severity index) provided in the NFID for two reasons:

- (i) There are instances where a distinct CSD is enforced by more than one police service. In these cases, the crime rate for the police service that had the highest percentage of enforcement area is provided. In the case of equal coverage, the crime rate for the police service with the greatest population is presented.
- (ii) There are instances where police service boundaries fall under multiple CSDs. In these cases, the crime rate for the police service is reported for all CSDs (i.e., multiple CSDs will have the same crime rate information).

Note that the CSD_flag variable provides an indication where these issues occur.

Appendix A: Jurisdictional Data Availability by Year

Jurisdiction	File Type	
	Incident	Victim
British Columbia	2005 to 2015	2005 to 2015
Alberta	2005 to 2015	2005 to 2015
Saskatchewan	2012 to 2015	2012 to 2015
Manitoba	2005 to 2015	2005 to 2015
Ontario	2005 to 2014	2005 to 2014
New Brunswick	2005 to 2015	2010 to 2015
Canadian Armed Forces	2005 to 2015	n/a

Appendix B: Data Elements Reported to the NFID, by Jurisdiction

Data Element Description	Variable name	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	New Brunswick	Canadian Armed Forces
1. INCIDENT FILE								
<i>Incident information</i>								
Jurisdiction	JURIS	✓	✓	✓	✓	✓	✓	✓
Incident ID	INCDNTID	✓	✓	✓	✓	✓	✓	✓
Year	YEAR	✓	✓	✓	✓	✓	✓	✓
Month of year	MONTH	✓	✓	✓	✓	✓		
Date of month	DATE	✓	✓	✓	✓	✓		
Day of week	DAY		✓					
Time	TIME	✓	✓		✓			
Incident location	INCIDLOC	✓	✓	✓	✓	✓		
Response of first vehicle	RESPONSE		✓	✓				
Mutual aid	MUTLAID		✓	✓		✓		
Crew size	CREWSIZE				✓	✓		
Response time of subsequent vehicles	RESPSUB			✓				
Subsequent crew size	SUBSIZE			✓		✓		
# of engines	NUMBENG			✓				
# of aerials	NUMBAER			✓				
# of tankers	NUMBTANK			✓				
# of CFR vehicles	NUMBCFR			✓				
# of other vehicles	NUMBOTH							
Distance from fire department to emergency	DISTANCE					✓		
Status on arrival	STATARR					✓		
Number of persons rescued	NUMBRES				✓	✓		
Number of deaths	NUMDEATH	✓	✓	✓	✓	✓	✓	
Number of injured persons	NUMBINJ	✓	✓	✓	✓	✓	✓	
Total casualties	NUMBCAS	✓	✓	✓	✓	✓	✓	

Appendix B: Data Elements Reported to the NFID, by Jurisdiction, continued

Data Element Description	Variable name	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	New Brunswick	Canadian Armed Forces
<i>Property description</i>								
Fire type (structure, vehicle, outdoor) - derived variable	FIRETYPE	✓	✓	✓	✓	✓		✓
Type of structure - derived variable	STRUCTYP	✓	✓	✓	✓	✓		✓
Major occupancy	MAJOCC	✓	✓	✓	✓	✓		✓
Major occupancy - grouped variable	MAJOCGRP	✓	✓	✓	✓	✓		✓
Property classification	PROPCLAS	✓	✓	✓	✓	✓		✓
Property classification - grouped variable	PROPGRP	✓	✓	✓	✓	✓		✓
Property classification - subgrouped variable	PROPSUBG	✓	✓	✓	✓	✓		✓
Property ownership	PROPOWN					✓		
Illegal use of building	ILLUSE					✓		
<i>Property details</i>								
General construction	GENCONST	✓	✓		✓	✓		
Method of construction	METHCONS		✓					
Year of construction	YEARCONS	✓	✓					
Building height	HEIGHT	✓	✓	✓	✓	✓		
Ground floor area	FLRAREA	✓	✓	✓	✓			
Number of occupants	NUMBOCC	✓	✓					
Value at risk - Building/vehicle	RISKVALA	✓	✓	✓				
Value at risk - Contents	RISKVALB	✓	✓	✓				
Value at risk- Total	RISKVALC	✓		✓		✓		
<i>Fire protection features</i>								
Manual fire protection facilities	MANPROT	✓	✓		✓	✓		
Sprinkler protection	SPRINPRO	✓	✓	✓	✓	✓	✓	
Fixed system other than sprinklers	FIXEDSYS		✓	✓		✓		
Automatic fire detection system	AUTODET	✓	✓		✓	✓		
Fire detection devices	FIREDET		✓	✓		✓		
Outside fire protection	OUTPROT	✓	✓		✓			
Water situation	WATER					✓		
Fire service in area	SERVICE	✓	✓		✓			

Appendix B: Data Elements Reported to the NFID, by Jurisdiction, continued

Data Element Description	Variable name	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	New Brunswick	Canadian Armed Forces
<i>Circumstances contributing to the outbreak of fire</i>								
Igniting object	IGNIOBJ	✓	✓	✓	✓	✓	✓	✓
Igniting object - grouped variable	IGNOGRP	✓	✓	✓	✓	✓	✓	✓
Fuel or energy associated with igniting object	FUELERGY	✓	✓	✓	✓	✓		
Energy causing ignition (Form of heat)	ENERGY	✓	✓	✓	✓			
Material first ignited	MATERIAL	✓	✓		✓	✓	✓	✓
Material first ignited - grouped variable	MATERGRP	✓	✓	✓	✓	✓	✓	✓
Act or omission	ACTOROM	✓	✓	✓	✓	✓	✓	✓
Act or omission - grouped variable	ACTOMGRP	✓	✓	✓	✓	✓	✓	✓
<i>Factors relating to the origin and spread of fire</i>								
Area of origin	ORIGIN	✓	✓	✓	✓	✓	✓	✓
Area of origin - grouped variable	ORIGGRP	✓	✓	✓	✓	✓	✓	✓
Level of origin	LEVELOR	✓	✓	✓	✓	✓		
Flame spread - interior finish	FLAMEINT		✓	✓	✓			
Flame spread - verticle openings	FLAMEVER		✓		✓			
Flame spread - horizontal openings	FLAMEHOR		✓		✓			
Smoke spread avenues	SMOKSPRD		✓		✓			
<i>Fire loss details</i>								
Extent of fire	FIREEXT	✓	✓			✓		
Extent of damage	DAMEXT	✓	✓					
Dollar loss - Building/vehicle	DOLLOSSA			✓				
Dollar loss - Contents	DOLLOSSB			✓				
Dollar loss - Total	DOLLOSSC		✓	✓		✓		
<i>Discovery of fire and actions taken</i>								
Initial detection	DETECT	✓	✓		✓	✓		
Transmission of alarm to fire department	TRANSALM	✓	✓		✓	✓		
Action taken	ACTION	✓	✓		✓	✓		
Performance of automatic extinguishing equipment	PERFORM	✓	✓		✓	✓		
Method of fire control and extinguishment	CONTMETH	✓	✓		✓			✓

Appendix B: Data Elements Reported to the NFID, by Jurisdiction, continued

Data Element Description	Variable name	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	New Brunswick	Canadian Armed Forces
Method of fire control and extinguishment - grouped variable	METHDGRP				✓			✓
Performance of smoke alarm device	SADPERF	✓	✓	✓	✓	✓	✓	
Impact of smoke alarm activation on occupant response/evacuat	IMPACT		✓		✓	✓		
Occupants in dwelling unit at time of fire - Senior citizens	OCCPNTSA		✓					
Occupants in dwelling unit at time of fire - Adults	OCCPNTSB		✓					
Occupants in dwelling unit at time of fire - Youth	OCCPNTSC		✓					
Occupants in dwelling unit at time of fire - Children	OCCPNTSD		✓					
2. VICTIM FILE								
<i>Fire casualties</i>								
Jurisdiction	JURIS	✓	✓	✓	✓	✓	✓	
Year of incident	YEAR	✓	✓	✓	✓	✓	✓	
Incident ID	INCDNTID							
Age of victim	VICAGE	✓	✓	✓	✓	✓	✓	
Sex of victim	VICSEX	✓	✓	✓	✓	✓	✓	
Status of victim	VICSTAT	✓	✓	✓	✓	✓	✓	
Firefighter status	FFSTATUS					✓		
Fire fighting years of experience	FFYEARS					✓		
Height of firefighter	FFHEIGHT					✓		
Weight of firefighter	FFWEIGHT					✓		
Firefighter - Helmet worn at time of injury/death	FFHELMET					✓		
Firefighter - Helmet line used at time of injury/death	FFHLINE					✓		
Firefighter - Face shield used at time of injury/death	FFSHIELD					✓		
Firefighter - Other eye protection used at time of injury/death	FFOTHEYE					✓		
Firefighter - Coat (turnout) worn at time of injury/death	FFCOAT					✓		
Firefighter - Gloves worn at time of injury/death	FFGLOVES					✓		
Firefighter - Boots worn at time of injury1death	FFBOOTS					✓		
Firefighter - Hose key belt worn at time of injury/death	FFHKBELT					✓		

Appendix B: Data Elements Reported to the NFID, by Jurisdiction, continued

Data Element Description	Variable name	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	New Brunswick	Canadian Armed Forces
Firefighter - Breathing apparatus used at time of injury/death	FFBRAPP					✓		
Firefighter - Bunker suit worn at time of injury/death	FFBUNKER					✓		
Firefighter - Protective hood worn at time of injury/death	FFPRHOOD					✓		
Nature of casualties	NATCAS	✓	✓	✓	✓	✓	✓	
Probable/possible cause	CAUSE	✓	✓	✓				
Type of injury	INJURTYP					✓		
Class of victim	CLASSVIC	✓	✓		✓	✓		
Condition of casualty	CONDCAS	✓	✓	✓	✓	✓		
Action of casualty	ACTCAS	✓	✓	✓	✓	✓		
Cause of failure to escape	CAUSFAIL	✓	✓	✓	✓			
Ignition of clothing or other fabrics	IGNITVIC	✓	✓		✓			
Type of fabric or material ignited	MATTYPE	✓	✓		✓			

Source: National Fire Information Database (NFID), Statistics Canada

National Fire Information Database (NFID) User Guide

Appendix C: Record Layout - Incident File, by Order of Variables in File

Variable name	Type	Length	Description
LINK_ID	Num	8	LINKING ID
JURIS	Char	2	REPORTING JURISDICTION
INCDNTID	Char	15	INCIDENT ID
YEAR	Num	8	YEAR OF INCIDENT
MONTH	Num	8	MONTH OF INCIDENT
DATE	Num	8	DATE OF MONTH
DAY	Char	9	DAY OF WEEK
TIME	Num	8	TIME
INCIDLOC	Char	50	INCIDENT LOCATION
RESPONSE	Num	8	RESPONSE TIME OF FIRST VEHICLE
MUTLAID	Char	1	MUTUAL AID
CREWSIZE	Num	8	CREW SIZE (INITIAL)
RESPSUB	Num	8	RESPONSE TIME OF SUBSEQUENT VEHICLES
SUBSSIZE	Num	8	SUBSEQUENT CREW SIZE
NUMBENG	Num	8	NUMBER OF ENGINES
NUMBAER	Num	8	NUMBER OF AERIALS
NUMBTANK	Num	8	NUMBER OF TANKERS
NUMBCFR	Num	8	NUMBER OF CFR VEHICLES
DISTANCE	Num	8	DISTANCE FROM FIRE DEPARTMENT TO EMERGENCY
STATARR	Char	1	STATUS ON ARRIVAL
NUMBRES	Num	8	NUMBER OF PERSONS RESCUED
NUMDEATH	Num	8	NUMDEATH
NUMBINJ	Num	8	NUMBER OF INJURIES
NUMBCAS	Num	8	NUMBER OF CASUALTIES
MAJOCC	Char	2	MAJOR OCCUPANCY
MAJOCGRP	Char	3	MAJOR OCCUPANCY GROUP
PROPCLAS	Char	4	PROPERTY CLASSIFICATION
PROPGRP	Char	4	PROPERTY CLASSIFICATION GROUP
PROPSUBG	Char	4	PROPERTY CLASSIFICATION SUBGROUP
PROPOWN	Char	2	PROPERTY OWNERSHIP
ILLUSE	Char	1	ILLEGAL USE OF BUILDING
GENCONST	Char	1	GENERAL CONSTRUCTION (as related to Property Classification)
METHCONS	Char	2	METHOD OF CONSTRUCTION
YEARCONS	Num	8	YEAR OF CONSTRUCTION
HEIGHT	Num	8	BUILDING HEIGHT
FLRAREA	Char	1	GROUND FLOOR AREA
NUMBOCC	Char	2	NUMBER OF OCCUPANTS
RISKVALA	Num	8	VALUE AT RISK - BUILDING/VEHICLE VALUE
RISKVALB	Num	8	VALUE AT RISK - CONTENTS VALUE
RISKVALC	Num	8	VALUE AT RISK - TOTAL VALUE AT RISK
MANPROT	Char	1	MANUAL FIRE PROTECTION FACILITIES
SPRINPRO	Char	1	SPRINKLER PROTECTION
FIXEDSYS	Char	1	FIXED SYSTEM OTHER THAN SPRINKLERS
AUTODET	Char	2	AUTOMATIC FIRE DETECTION SYSTEM
FIREDET	Char	2	FIRE DETECTION DEVICES
OUTPROT	Char	1	OUTSIDE FIRE PROTECTION
WATER	Char	2	WATER SITUATION

Appendix C: Record Layout - Incident File, by Order of Variables in File, continued

Variable name	Type	Length	Description
SERVICE	Char	2	FIRE SERVICE
IGNIOBJ	Char	3	IGNITING OBJECT
IGNOGRP	Char	4	IGNITING OBJECT GROUP
FUELERGY	Char	2	FUEL OR ENERGY ASSOCIATED WITH IGNITING OBJECT
ENERGY	Char	2	ENERGY CAUSING IGNITION (FORM OF HEAT)
MATERIAL	Char	3	MATERIAL FIRST IGNITED
MATERGRP	Char	4	MATERIAL FIRST IGNITED GROUP
ACTOROM	Char	3	ACT OR OMISSION
ACTOMGRP	Char	4	ACT OR OMISSION GROUP
ORIGIN	Char	3	AREA OF ORIGIN
ORIGGRP	Char	4	AREA OF ORIGIN GROUP
LEVELOR	Char	2	LEVEL OF ORIGIN
FLAMEINT	Char	1	FLAME SPREAD - INTERIOR FINISH
FLAMEVER	Char	1	FLAME SPREAD - VERTICAL OPENINGS
FLAMEHOR	Char	1	FLAME SPREAD - HORIZONTAL OPENINGS
SMOKSPRD	Char	1	SMOKE SPREAD AVENUES
FIREEXT	Char	2	EXTENT OF FIRE
DAMEXT	Char	1	EXTENT OF DAMAGE
DOLLOSSA	Num	8	DOLLAR LOSS - BUILDING/VEHICLE
DOLLOSSB	Num	8	DOLLAR LOSS - CONTENTS
DOLLOSSC	Num	8	DOLLAR LOSS - TOTAL PROPERTY AND CONTENTS
DETECT	Char	2	INITIAL DETECTION
TRANSALM	Char	2	TRANSMISSION OF ALARM TO FIRE DEPARTMENT
ACTION	Char	1	ACTION TAKEN
PERFORM	Char	1	PERFORMANCE OF AUTOMATIC EXTINGUISHING EQUIPMENT
CONTMETH	Char	2	METHOD OF FIRE CONTROL AND EXTINGUISHMENT
METHDGRP	Char	3	METHOD OF FIRE CONTROL AND EXTINGUISHMENT GROUP
SADPERF	Char	2	PERFORMANCE OF SMOKE ALARM DEVICE
IMPACT	Char	2	IMPACT OF SMOKE ALARM ACTIVATION ON OCCUPANT RESPONSE/ EVACUATION
OCCPNTSA	Num	8	OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - SENIOR CITIZENS
OCCPNTSB	Num	8	OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - ADULTS
OCCPNTSC	Num	8	OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - YOUTH
OCCPNTSD	Num	8	OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - CHILDREN
CSD	Char	7	CENSUS SUBDIVISION
CSD_NAME	Char	70	CENSUS SUBDIVISION NAME
CMACA	Char	3	CENSUS METROPOLITAN AREA/CENSUS AGGLOMERATION
CMA_NAME	Char	100	CENSUS METROPOLITAN AREA NAME
PSDDWELL_CMA6	Num	8	PRIVATE SINGLE DETACHED DWELLINGS - CMA LEVEL 2006 CENSUS
PSDDWELL_CMA11	Num	8	PRIVATE SINGLE DETACHED DWELLINGS - CMA LEVEL 2011 NHS
PSDDWELL_CSD6	Num	8	PRIVATE SINGLE DETACHED DWELLINGS - CSD LEVEL 2006 CENSUS
PSDDWELL_CSD11	Num	8	PRIVATE SINGLE DETACHED DWELLINGS - CSD LEVEL 2011 NHS
ELDERPOP_CMA	Num	8	PERCENTAGE OF POPULATION AGED 65 YEARS AND OLDER - CMA LEVEL
ELDERPOP_CSD	Num	8	PERCENTAGE OF POPULATION AGED 65 YEARS AND OLDER - CSD LEVEL
YOUNGPOP_CMA	Num	8	PERCENTAGE OF POPULATION AGED 5 YEARS AND YOUNGER - CMA LEVEL
YOUNGPOP_CSD	Num	8	PERCENTAGE OF POPULATION AGED 5 YEARS AND YOUNGER - CSD LEVEL
LONEPAR_CMA6	Num	8	PERCENTAGE OF LONE PARENT FAMILY HOUSEHOLDS - CMA LEVEL 2006 CENSUS

Appendix C: Record Layout - Incident File, by Order of Variables in File, continued

Variable name	Type	Length	Description
LONEPAR_CMA11	Num	8	PERCENTAGE OF LONE PARENT FAMILY HOUSEHOLDS - CMA LEVEL 2011 NHS
LONEPAR_CSD6	Num	8	PERCENTAGE OF LONE PARENT FAMILY HOUSEHOLDS - CSD LEVEL 2006 CENSUS
LONEPAR_CSD11	Num	8	PERCENTAGE OF LONE PARENT FAMILY HOUSEHOLDS - CSD LEVEL 2011 NHS
AVNUMPER_CMA6	Num	8	AVERAGE NUMBER OF PERSONS IN PRIVATE HOUSEHOLDS - CMA LEVEL 2006 CENSUS
AVNUMPER_CMA11	Num	8	AVERAGE NUMBER OF PERSONS IN PRIVATE HOUSEHOLDS - CMA LEVEL 2011 NHS
AVNUMPER_CSD6	Num	8	AVERAGE NUMBER OF PERSONS IN PRIVATE HOUSEHOLDS - CSD LEVEL 2006 CENSUS
AVNUMPER_CSD11	Num	8	AVERAGE NUMBER OF PERSONS IN PRIVATE HOUSEHOLDS - CSD LEVEL 2011 NHS
MOVERS1_CMA6	Num	8	PERCENTAGE OF MOVERS - OVER 1 YEAR - CMA LEVEL 2006 CENSUS
MOVERS1_CMA11	Num	8	PERCENTAGE OF MOVERS - OVER 1 YEAR - CMA LEVEL 2011 NHS
MOVERS5_CMA6	Num	8	PERCENTAGE OF MOVERS - OVER 5 YEARS - CMA LEVEL 2006 CENSUS
MOVERS5_CMA11	Num	8	PERCENTAGE OF MOVERS - OVER 5 YEARS - CMA LEVEL 2011 NHS
MEDINC_CMA6	Num	8	MEDIAN AFTER-TAX INCOME, ALL CENSUS FAMILIES - CMA LEVEL 2006 CENSUS
MEDINC_CMA11	Num	8	MEDIAN AFTER-TAX INCOME, ALL CENSUS FAMILIES - CMA LEVEL 2011 NHS
MEDINC_CSD6	Num	8	MEDIAN AFTER-TAX INCOME, ALL CENSUS FAMILIES - CSD LEVEL 2006 CENSUS
MEDINC_CSD11	Char	6	MEDIAN AFTER-TAX INCOME, ALL CENSUS FAMILIES - CSD LEVEL 2011 NHS
EMPLOY_CMA6	Num	8	EMPLOYMENT RATE - CMA LEVEL 2006 CENSUS
EMPLOY_CMA11	Num	8	EMPLOYMENT RATE - CMA LEVEL 2011 NHS
EMPLOY_CSD6	Num	8	EMPLOYMENT RATE - CSD LEVEL 2006 CENSUS
EMPLOY_CSD11	Num	8	EMPLOYMENT RATE - CSD LEVEL 2011 NHS
UNEMPLOY_CMA6	Num	8	UNEMPLOYMENT RATE - CMA LEVEL 2006 CENSUS
UNEMPLOY_CMA11	Num	8	UNEMPLOYMENT RATE - CMA LEVEL 2011 NHS
UNEMPLOY_CSD6	Num	8	UNEMPLOYMENT RATE - CSD LEVEL 2006 CENSUS
UNEMPLOY_CSD11	Num	8	UNEMPLOYMENT RATE - CSD LEVEL 2011 NHS
LOWEDUC_CMA6	Num	8	LOWER EDUCATION ATTAINMENT - CMA LEVEL 2006 CENSUS
LOWEDUC_CMA11	Num	8	LOWER EDUCATION ATTAINMENT - CMA LEVEL 2011 NHS
LOWEDUC_CSD6	Num	8	LOWER EDUCATION ATTAINMENT - CSD LEVEL 2006 CENSUS
LOWEDUC_CSD11	Num	8	LOWER EDUCATION ATTAINMENT - CSD LEVEL 2011 NHS
CRIMRATE_CMA	Num	8	CRIME RATE - CMA LEVEL
CRIMRATE_CSD	Num	8	CRIME RATE - CSD LEVEL
PROPCRIM_CMA	Num	8	PROPERTY CRIME RATE - CMA LEVEL
PROPCRIM_CSD	Num	8	PROPERTY CRIME RATE - CSD LEVEL
VIOLCRIM_CMA	Num	8	VIOLENT CRIME RATE - CMA LEVEL
VIOLCRIM_CSD	Num	8	VIOLENT CRIME RATE - CSD LEVEL
UCRCSI_CMA	Num	8	CRIME SEVERITY INDEX - CMA LEVEL
UCRCSI_CSD	Num	8	CRIME SEVERITY INDEX - CSD LEVEL
CSD_flag	Num	8	UCR CSD DATA QUALITY FLAG

National Fire Information Database (NFID) User Guide

Appendix D: Record Layout - Incident File, Alphabetical Order

Variable name	Type	Length	Description
ACTION	Char	1	ACTION TAKEN
ACTOMGRP	Char	4	ACT OR OMISSION GROUP
ACTOROM	Char	3	ACT OR OMISSION
AUTODET	Char	2	AUTOMATIC FIRE DETECTION SYSTEM
AVNUMPER_CMA11	Num	8	AVERAGE NUMBER OF PERSONS IN PRIVATE HOUSEHOLDS - CMA LEVEL 2011 NHS
AVNUMPER_CMA6	Num	8	AVERAGE NUMBER OF PERSONS IN PRIVATE HOUSEHOLDS - CMA LEVEL 2006 CENSUS
AVNUMPER_CSD11	Num	8	AVERAGE NUMBER OF PERSONS IN PRIVATE HOUSEHOLDS - CSD LEVEL 2011 NHS
AVNUMPER_CSD6	Num	8	AVERAGE NUMBER OF PERSONS IN PRIVATE HOUSEHOLDS - CSD LEVEL 2006 CENSUS
CMA_NAME	Char	100	CENSUS METROPOLITAN AREA NAME
CMACA	Char	3	CENSUS METROPOLITAN AREA/CENSUS AGGLOMERATION
CONTMETH	Char	2	METHOD OF FIRE CONTROL AND EXTINGUISHMENT
CREWSIZE	Num	8	CREW SIZE (INITIAL)
CRIMRATE_CMA	Num	8	CRIME RATE - CMA LEVEL
CRIMRATE_CSD	Num	8	CRIME RATE - CSD LEVEL
CSD	Char	7	CENSUS SUBDIVISION
CSD_flag	Num	8	UCR CSD DATA QUALITY FLAG
CSD_NAME	Char	70	CENSUS SUBDIVISION NAME
DAMEXT	Char	1	EXTENT OF DAMAGE
DATE	Num	8	DATE OF MONTH
DAY	Char	9	DAY OF WEEK
DETECT	Char	2	INITIAL DETECTION
DISTANCE	Num	8	DISTANCE FROM FIRE DEPARTMENT TO EMERGENCY
DOLLOSSA	Num	8	DOLLAR LOSS - BUILDING/VEHICLE
DOLLOSSB	Num	8	DOLLAR LOSS - CONTENTS
DOLLOSSC	Num	8	DOLLAR LOSS - TOTAL PROPERTY AND CONTENTS
ELDERPOP_CMA	Num	8	PERCENTAGE OF POPULATION AGED 65 YEARS AND OLDER - CMA LEVEL
ELDERPOP_CSD	Num	8	PERCENTAGE OF POPULATION AGED 65 YEARS AND OLDER - CSD LEVEL
EMPLOY_CMA11	Num	8	EMPLOYMENT RATE - CMA LEVEL 2011 NHS
EMPLOY_CMA6	Num	8	EMPLOYMENT RATE - CMA LEVEL 2006 CENSUS
EMPLOY_CSD11	Num	8	EMPLOYMENT RATE - CSD LEVEL 2011 NHS
EMPLOY_CSD6	Num	8	EMPLOYMENT RATE - CSD LEVEL 2006 CENSUS
ENERGY	Char	2	ENERGY CAUSING IGNITION (FORM OF HEAT)
FIREDET	Char	2	FIRE DETECTION DEVICES
FIREEXT	Char	2	EXTENT OF FIRE
FIXEDSYS	Char	1	FIXED SYSTEM OTHER THAN SPRINKLERS
FLAMEHOR	Char	1	FLAME SPREAD - HORIZONTAL OPENINGS
FLAMEINT	Char	1	FLAME SPREAD - INTERIOR FINISH
FLAMEVER	Char	1	FLAME SPREAD - VERTICAL OPENINGS
FLRAREA	Char	1	GROUND FLOOR AREA
FUELERGY	Char	2	FUEL OR ENERGY ASSOCIATED WITH IGNITING OBJECT
GENCONST	Char	1	GENERAL CONSTRUCTION (as related to Property Classification)
HEIGHT	Num	8	BUILDING HEIGHT
IGNIOBJ	Char	3	IGNITING OBJECT
IGNOBGRP	Char	4	IGNITING OBJECT GROUP

Appendix D: Record Layout - Incident File, Alphabetical Order, continued

Variable name	Type	Length	Description
ILLUSE	Char	1	ILLEGAL USE OF BUILDING
IMPACT	Char	2	IMPACT OF SMOKE ALARM ACTIVATION ON OCCUPANT RESPONSE/ EVACUATION
INCDNTID	Char	15	INCIDENT ID
INCIDLOC	Char	50	INCIDENT LOCATION
JURIS	Char	2	REPORTING JURISDICTION
LEVELOR	Char	2	LEVEL OF ORIGIN
LONEPAR_CMA11	Num	8	PERCENTAGE OF LONE PARENT FAMILY HOUSEHOLDS - CMA LEVEL 2011 NHS
LONEPAR_CMA6	Num	8	PERCENTAGE OF LONE PARENT FAMILY HOUSEHOLDS - CMA LEVEL 2006 CENSUS
LONEPAR_CSD11	Num	8	PERCENTAGE OF LONE PARENT FAMILY HOUSEHOLDS - CSD LEVEL 2011 NHS
LONEPAR_CSD6	Num	8	PERCENTAGE OF LONE PARENT FAMILY HOUSEHOLDS - CSD LEVEL 2006 CENSUS
LOWEDUC_CMA11	Num	8	LOWER EDUCATION ATTAINMENT - CMA LEVEL 2011 NHS
LOWEDUC_CMA6	Num	8	LOWER EDUCATION ATTAINMENT - CMA LEVEL 2006 CENSUS
LOWEDUC_CSD11	Num	8	LOWER EDUCATION ATTAINMENT - CSD LEVEL 2011 NHS
LOWEDUC_CSD6	Num	8	LOWER EDUCATION ATTAINMENT - CSD LEVEL 2006 CENSUS
MAJOCC	Char	2	MAJOR OCCUPANCY
MAJOCGRP	Char	3	MAJOR OCCUPANCY GROUP
MANPROT	Char	1	MANUAL FIRE PROTECTION FACILITIES
MATERGRP	Char	4	MATERIAL FIRST IGNITED GROUP
MATERIAL	Char	3	MATERIAL FIRST IGNITED
MEDINC_CMA11	Num	8	MEDIAN AFTER-TAX INCOME, ALL CENSUS FAMILIES - CMA LEVEL 2011 NHS
MEDINC_CMA6	Num	8	MEDIAN AFTER-TAX INCOME, ALL CENSUS FAMILIES - CMA LEVEL 2006 CENSUS
MEDINC_CSD11	Char	6	MEDIAN AFTER-TAX INCOME, ALL CENSUS FAMILIES - CSD LEVEL 2011 NHS
MEDINC_CSD6	Num	8	MEDIAN AFTER-TAX INCOME, ALL CENSUS FAMILIES - CSD LEVEL 2006 CENSUS
METHCONS	Char	2	METHOD OF CONSTRUCTION
METHDGRP	Char	3	METHOD OF FIRE CONTROL AND EXTINGUISHMENT GROUP
MONTH	Num	8	MONTH OF INCIDENT
MOVERS1_CMA11	Num	8	PERCENTAGE OF MOVERS - OVER 1 YEAR - CMA LEVEL 2011 NHS
MOVERS1_CMA6	Num	8	PERCENTAGE OF MOVERS - OVER 1 YEAR - CMA LEVEL 2006 CENSUS
MOVERS5_CMA11	Num	8	PERCENTAGE OF MOVERS - OVER 5 YEARS - CMA LEVEL 2011 NHS
MOVERS5_CMA6	Num	8	PERCENTAGE OF MOVERS - OVER 5 YEARS - CMA LEVEL 2006 CENSUS
MUTLAID	Char	1	MUTUAL AID
NUMBAER	Num	8	NUMBER OF AERIALS
NUMBCAS	Num	8	NUMBER OF CASUALTIES
NUMBCFR	Num	8	NUMBER OF CFR VEHICLES
NUMBENG	Num	8	NUMBER OF ENGINES
NUMBINJ	Num	8	NUMBER OF INJURIES
NUMBOCC	Char	2	NUMBER OF OCCUPANTS
NUMBRES	Num	8	NUMBER OF PERSONS RESCUED
NUMBTANK	Num	8	NUMBER OF TANKERS
NUMDEATH	Num	8	NUMDEATH
OCCPNTSA	Num	8	OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - SENIOR CITIZENS
OCCPNTSB	Num	8	OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - ADULTS
OCCPNTSC	Num	8	OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - YOUTH
OCCPNTSD	Num	8	OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - CHILDREN
ORIGGRP	Char	4	AREA OF ORIGIN GROUP

Appendix D: Record Layout - Incident File, Alphabetical Order, continued

Variable name	Type	Length	Description
ORIGIN	Char	3	AREA OF ORIGIN
OUTPROT	Char	1	OUTSIDE FIRE PROTECTION
PERFORM	Char	1	PERFORMANCE OF AUTOMATIC EXTINGUISHING EQUIPMENT
PROPCLAS	Char	4	PROPERTY CLASSIFICATION
PROPCRIM_CMA	Num	8	PROPERTY CRIME RATE - CMA LEVEL
PROPCRIM_CSD	Num	8	PROPERTY CRIME RATE - CSD LEVEL
PROPGRP	Char	4	PROPERTY CLASSIFICATION GROUP
PROPOWN	Char	2	PROPERTY OWNERSHIP
PROPSUBG	Char	4	PROPERTY CLASSIFICATION SUBGROUP
PSDDWELL_CMA11	Num	8	PRIVATE SINGLE DETACHED DWELLINGS - CMA LEVEL 2011 NHS
PSDDWELL_CMA6	Num	8	PRIVATE SINGLE DETACHED DWELLINGS - CMA LEVEL 2006 CENSUS
PSDDWELL_CSD11	Num	8	PRIVATE SINGLE DETACHED DWELLINGS - CSD LEVEL 2011 NHS
PSDDWELL_CSD6	Num	8	PRIVATE SINGLE DETACHED DWELLINGS - CSD LEVEL 2006 CENSUS
RESPONSE	Num	8	RESPONSE TIME OF FIRST VEHICLE
RESPSUB	Num	8	RESPONSE TIME OF SUBSEQUENT VEHICLES
RISKVALA	Num	8	VALUE AT RISK - BUILDING/VEHICLE VALUE
RISKVALB	Num	8	VALUE AT RISK - CONTENTS VALUE
RISKVALC	Num	8	VALUE AT RISK - TOTAL VALUE AT RISK
SADPERF	Char	2	PERFORMANCE OF SMOKE ALARM DEVICE
SERVICE	Char	2	FIRE SERVICE
SMOKSPRD	Char	1	SMOKE SPREAD AVENUES
SPRINPRO	Char	1	SPRINKLER PROTECTION
STATARR	Char	1	STATUS ON ARRIVAL
SUBSSIZE	Num	8	SUBSEQUENT CREW SIZE
TIME	Num	8	TIME
TRANSALM	Char	2	TRANSMISSION OF ALARM TO FIRE DEPARTMENT
UCRCSI_CMA	Num	8	CRIME SEVERITY INDEX - CMA LEVEL
UCRCSI_CSD	Num	8	CRIME SEVERITY INDEX - CSD LEVEL
UNEMPLOY_CMA11	Num	8	UNEMPLOYMENT RATE - CMA LEVEL 2011 NHS
UNEMPLOY_CMA6	Num	8	UNEMPLOYMENT RATE - CMA LEVEL 2006 CENSUS
UNEMPLOY_CSD11	Num	8	UNEMPLOYMENT RATE - CSD LEVEL 2011 NHS
UNEMPLOY_CSD6	Num	8	UNEMPLOYMENT RATE - CSD LEVEL 2006 CENSUS
VIOLCRIM_CMA	Num	8	VIOLENT CRIME RATE - CMA LEVEL
VIOLCRIM_CSD	Num	8	VIOLENT CRIME RATE - CSD LEVEL
WATER	Char	2	WATER SITUATION
YEAR	Num	8	YEAR OF INCIDENT
YEARCONS	Num	8	YEAR OF CONSTRUCTION
YOUNGPOP_CMA	Num	8	PERCENTAGE OF POPULATION AGED 5 YEARS AND YOUNGER - CMA LEVEL
YOUNGPOP_CSD	Num	8	PERCENTAGE OF POPULATION AGED 5 YEARS AND YOUNGER - CSD LEVEL

Appendix E: Record Layout - Victim File, by Order of Variables in File

Variable name	Type	Length	Description
LINK_ID	Num	8	LINKING ID
JURIS	Char	2	JURISDICTION
YEAR	Num	8	YEAR OF INCIDENT
INCDNTID	Char	15	INCIDENT ID
VICAGE	Num	8	AGE OF VICTIM
VICSEX	Char	1	SEX OF VICTIM
VICSTAT	Char	1	STATUS OF VICTIM
FFSTATUS	Char	1	FIREFIGHTER STATUS
FFYEARS	Num	8	FIRE FIGHTING YEARS OF EXPERIENCE
FFHEIGHT	Num	8	HEIGHT OF FIREFIGHTER
FFWEIGHT	Num	8	WEIGHT OF FIREFIGHTER
FFHELMET	Char	1	FIREFIGHTER- HELMET WORN AT TIME OF INJURY
FFHLINE	Char	1	FIREFIGHTER- HELMET LINE USED AT TIME OF INJURY
FFSHIELD	Char	1	FIREFIGHTER - FACE SHIELD USED AT TIME OF INJURY
FFOTHEYE	Char	1	FIREFIGHTER - OTHER EYE PROTECTION USED AT TIME OF INJURY
FFCOAT	Char	1	FIREFIGHTER - COAT (TURNOUT) WORN AT TIME OF INJURY
FFGLOVES	Char	1	FIREFIGHTER - GLOVES WORN AT TIME OF INJURY
FFHKBELT	Char	1	FIREFIGHTER - HOSE KEY BELT WORN AT TIME OF INJURY
FFBOOTS	Char	1	FIREFIGHTER - BOOTS WORN AT TIME OF INJURY
FFBRAPP	Char	1	FIREFIGHTER - BREATHING APPARATUS USED AT TIME OF INJURY
FFBUNKER	Char	1	FIREFIGHTER - BUNKER SUIT WORN AT TIME OF INJURY
FFPRHOOD	Char	1	FIREFIGHTER - PROTECTIVE HOOD WORN AT TIME OF INJURY
NATCAS	Char	1	NATURE OF CASUALTIES
CAUSE	Char	1	PROBABLE/POSSIBLE CAUSE
INJURTYP	Char	2	TYPE OF INJURY
CLASSVIC	Char	1	CLASS OF VICTIM
CONDCAS	Char	2	CONDITION OF CASUALTY
ACTCAS	Char	2	ACTION OF CASUALTY
CAUSFAIL	Char	2	CAUSE OF FAILURE TO ESCAPE
IGNITVIC	Char	2	IGNITION OF CLOTHING OR OTHER FABRICS
MATTYPE	Char	2	TYPE OF FABRIC OR MATERIAL IGNITED

Appendix F: Record Layout - Victim File, Alphabetical Order

Variable name	Type	Length	Description
ACTCAS	Char	2	ACTION OF CASUALTY
CAUSE	Char	1	PROBABLE/POSSIBLE CAUSE
CAUSFAIL	Char	2	CAUSE OF FAILURE TO ESCAPE
CLASSVIC	Char	1	CLASS OF VICTIM
CONDCAS	Char	2	CONDITION OF CASUALTY
FFBOOTS	Char	1	FIREFIGHTER - BOOTS WORN AT TIME OF INJURY
FFBRAPP	Char	1	FIREFIGHTER - BREATHING APPARATUS USED AT TIME OF INJURY
FFBUNKER	Char	1	FIREFIGHTER - BUNKER SUIT WORN AT TIME OF INJURY
FFCOAT	Char	1	FIREFIGHTER - COAT (TURNOUT) WORN AT TIME OF INJURY
FFGLOVES	Char	1	FIREFIGHTER - GLOVES WORN AT TIME OF INJURY
FFHEIGHT	Num	8	HEIGHT OF FIREFIGHTER
FFHELMET	Char	1	FIREFIGHTER- HELMET WORN AT TIME OF INJURY
FFHKBELT	Char	1	FIREFIGHTER - HOSE KEY BELT WORN AT TIME OF INJURY
FFHLINE	Char	1	FIREFIGHTER- HELMET LINE USED AT TIME OF INJURY
FFOTHEYE	Char	1	FIREFIGHTER - OTHER EYE PROTECTION USED AT TIME OF INJURY
FFPRHOOD	Char	1	FIREFIGHTER - PROTECTIVE HOOD WORN AT TIME OF INJURY
FFSHIELD	Char	1	FIREFIGHTER - FACE SHIELD USED AT TIME OF INJURY
FFSTATUS	Char	1	FIREFIGHTER STATUS
FFWEIGHT	Num	8	WEIGHT OF FIREFIGHTER
FFYEARS	Num	8	FIRE FIGHTING YEARS OF EXPERIENCE
IGNITVIC	Char	2	IGNITION OF CLOTHING OR OTHER FABRICS
INCDNTID	Char	15	INCIDENT ID
INJURTYP	Char	2	TYPE OF INJURY
JURIS	Char	2	JURISDICTION
MATTYPE	Char	2	TYPE OF FABRIC OR MATERIAL IGNITED
NATCAS	Char	1	NATURE OF CASUALTIES
VICAGE	Num	8	AGE OF VICTIM
VICSEX	Char	1	SEX OF VICTIM
VICSTAT	Char	1	STATUS OF VICTIM
YEAR	Num	8	YEAR OF INCIDENT