

2024 NFIRS FILES

Data Quality Notes

These notes reflect the full, all-incident PDR files.

Basic Incident File

- 1) **STATE**—in addition to all 50 states and the District of Columbia, the file contains records reported by Native American Tribal Authorities (NA).
- 2) **INC_NO**—there are records with negative values (or start with a hyphen). The NFIRS Complete Reference Guide (CRG) states that the INC_NO is numeric only.
- 3) **EXP_NO**—there are several records with non-sequenced exposure numbers (these are not gaps of missing exposure incidents, but rather exposure incidents in which an improper, non-sequential exposure value was entered in the report and upon import to the system, the system allowed it).
- 4) **INC_TYPE**—there are 279 records with INC_TYPE='110' (4.1 conversion code).
- 5) **ALARM**—there is one record with an alarm date of 2020; there is one record with an alarm date of 2021; there are 20 records with an alarm date of 2023; and there is one record with an alarm date of 2025.
- 6) **ARRIVAL**—there are 468 records with an arrival date of 2025 (424 of these records have an arrival date of 1/01/2025 with an incident date of 12/31/2024); there is one record with an arrival date of 2020; there is one record with an arrival date of 2021; there are 20 records with an arrival date of 2023; there is one record with an arrival date of 2026; there is one record with an arrival date of 2027; there is one record with an arrival date of 2028; there is one record with an arrival date of 2320; and there is one record with an arrival date of 3202. In addition, there are 5,252 records with a missing arrival date that do not have INC_TYPE = 611 (dispatched and canceled en route) and require arrival time.
- 7) **INC_CONT**—there are 109 records with an incident-controlled date of 2025 (87 of these records have a controlled date of 1/01/2025); and there are 16 records with an incident-controlled date of 2023.
- 8) **LU_CLEAR**—there are 2,216 records with a last unit cleared date of 2025 (2,027 of these records have a last unit cleared date of 1/01/2025); there is one record with a last unit cleared date of 2020; there is one record with a last unit cleared date of 2021; and there are 20 records with a last unit cleared date of 2023; and there are 34 records that have a last unit cleared date greater than 2025 (e.g., 2026, 2924, 6202).
- 9) **ALARMS**—this field contains many character values (ALARMS is the actual number of alarms transmitted for the incident).
- 10) **ACT_TAK1**—there are 466 records with a value of 'UU' (not a CRG option). There are 12,416 records with a missing value in ACT_TAK1 where AID = '1', '2', '5', 'N' and INC_TYPE ranges from '100' to '911' (these records should have a value in ACT_TAK1).
- 11) **ACT_TAK2**—there is one record with a value of '-'; there is one record with a value of 'NT'; and there are 2,379 records with a value of 'UU' (not CRG options).

- 12) **ACT_TAK3**—there are 46 records with a value of ‘NO’, ‘No’ or ‘no’; there are two records with a value of ‘UU’; and there are two records with a value of ‘ot’ (not CRG options).
- 11) **SUP_APP, EMS_APP, OTH_APP**—for each of these fields, there are records with thousands of apparatus that responded. For **SUP_APP**, there is one record with a value of -20 and there are 531 records with a value of -1. For **EMS_APP**, there are 134 records with a value of -1. For **OTH_APP**, there is one record with a value of -10 and there are 582 records with a value of -1.
- 13) **SUP_PER, EMS_PER, OTH_PER**—for each of these fields, there are records with extremely high values of personnel. For **SUP_PER**, there are 530 records with a value of -1. For **EMS_PER**, there are two records with a value of -20 and there are 134 records with a value of -1. For **OTH_PER**, there are 582 records with a value of -1.
- 12) **PROP_LOSS**—there are 38 records with PROP_LOSS of \$20 million or more.
- 13) **CONT_LOSS**—there are 25 records with CONT_LOSS of \$20 million or more.
- 14) **PROP_VAL**—there are four records with a value of \$999,999,999.
- 15) **CONT_VAL**—there are six records with a value of \$999,999,999.
- 16) **FF_DEATH**—although this is a required field, there are 26,992 records with a missing value (all other records have a value of 0 to 3).
- 17) **FF_INJ**—although this is a required field, there are 26,993 records with a missing value (all other records have a value of 0 to 41; many of the records with high numbers of ff injuries had SEVERITY=1 on the Fire Service Casualty file).
- 18) **DET_ALERT**—there is one record with a value of ‘0’ (not a CRG option); and there are 6,291 confined fire incident records that have a missing value (CRG indicates this is a required field for confined fires).
- 19) **PROP_USE**—there are six records with a value of ‘1 -’ and 181 records with a value of ‘250’ (not CRG options). Although a required field, there are 1,992,928 records with a missing value. Of these records, 804,559 have AID = 3, 4 so property use is not required; and there are 1,188,369 records with missing values that have INC_TYPE = 611 (dispatched and canceled en route) and do not require property use.
- 20) **CENSUS**—there are records with data that do not appear to be census tracts as they contain character values; a census tract number is a six-digit number assigned by the U.S. Census Bureau that identifies a land area within the U.S.

Basic Incident Address File

- 1) **LOC_TYPE**—there are 522 records with missing values (required field).
- 2) **NUM_MILE**—there are records with street names, street types, and apartment numbers in this field.
- 3) **STREETNAME**—there are records with entire street addresses including house numbers, street types, and city names.
- 4) **STREETTYPE**—there are 36,552 records with values of ‘ACR,’ ‘AV,’ ‘BEND,’ ‘CENT,’ ‘COVE,’ ‘FRWY,’ ‘LANE,’ ‘ROAD,’ ‘TERR,’ and ‘WY’; of these, 26,940 had a value of ‘AV’ (not Postal Service Standard Suffix Abbreviation codes).
- 5) **APT_NO**—includes street names, city names, etc.
- 6) **CITY**—there are numbers, zip codes, street addresses, county names, etc. in this field.

- 7) **STATE_ID**—there are five records with a value of ‘TR’ (not a CRG option).
- 8) **ZIP5** includes invalid zip codes (e.g., less than 5 digits).
- 9) **ZIP4** includes invalid zip codes (e.g., less than 4 digits).

Basic Incident Aid Given or Received File

- 1) **FDIDRECAID**—there are thousands of records with invalid FDIDs.
- 2) **FDIDSTREC**—there is one record with a value of ‘TR’ (not a CRG option).
- 3) **INC_NOFDID**—there are 101,453 records with incident numbers of zero or all zeroes; there are records that have invalid incident numbers (e.g., unk, unknown, none). This field should contain numeric values only.

Fire Incident File

- 1) **NUM_UNIT**—there are 1,898 records with a value of -1; there are 245,681 records with a value of 0; and there are 16 records with a value of 2,000 or greater.
- 2) **BLDG_INVOL**—there are three records that have a value of -1; and there are ten records with a value of 300 or greater.
- 3) **ACRES_BURN**—there are three records with a value of -1.
- 4) **ON_SITE_M1**—there are 19 records with a value of ‘800’ (not a CRG option).
- 5) **ON_SITE_M3**—there is one record with a value of ‘800’ (not a CRG option).
- 6) **AREA_ORIG**—there are 73 records with a value of ‘57’ (not a CRG option).
- 7) **HEAT_SOURC**—there is one record with a missing value—this record, however, has INC_TYPE=138 and AID=2 for which HEAT_SOURC is required (HEAT_SOURC is not required for records with INC_TYPE=110, 113-118, 150-155, 200-911 or AID=3 or 4).
- 8) **FIRST_IGN**—there are 79 records with a value of ‘80’; there are 39 records with a value of ‘90’ (not CRG options); there is one record with a missing value—this record, however, has INC_TYPE=138 and AID=2 for which FIRST_IGN is required (FIRST_IGN is not required for records with INC_TYPE=110, 113-118, 150-155, 200-911 or AID=3 or 4).
- 9) **TYPE_MAT**—there are 318,163 records with a missing value. Of these, there are 318,162 records where the FIRST_IGN is not equal to 00-68 (TYPE_MAT is required only if FIRST_IGN=00-68). Therefore, there is one record with a missing value in TYPE_MAT, however, FIRST_IGN for this record also contains a missing value.
- 10) **CAUSE_IGN**— there is one record with a missing value. This record, however, has INC_TYPE=111 and AID=4 for which CAUSE_IGN is not required (CAUSE_IGN is not required for records with INC_TYPE=110, 113-118, 150-155, 200-911 or AID=3 or 4).
- 11) **FACT_IGN_1**— there are 4,292 records with a missing value. Of these, 1,804 have INC_TYPE=110, 113-118, 150-155, 200-911 or AID=3 or 4 or CAUSE_IGN=0 for which FACT_IGN_1 is not required. Therefore, there are 2,488 records with a missing value where it is a required field.

- 12) **HUM_FAC_8**—this field contains all missing values.
- 13) **HUM_FAC_1...HUM_FAC_8**—there are 13,109 records where the human factor fields have no values. Of these, 8,362 have INC_TYPE=110, 113-118, 150-155, 200-911 or AID=3 or 4 or CAUSE_IGN=0 for which the human factor fields are not required. Therefore, there are 4,747 records that should have values in the human factor fields.
- 14) **AGE**—there are two records with a value of 123.
- 15) **SUP_FAC_1**—there are 1,087 records with a value of ‘UUU’ (not a CRG option).
- 16) **MOB_TYPE**—there are 362 records with a value of ‘UU’ (not a CRG option).
- 17) **MOB_MAKE**—there are 11 records with a value of ‘HE’ (not a CRG option).
- 18) **MOB_MODEL**—there are 68 records with values of zero(s); there are records with ‘unknown’ responses.
- 19) **MOB_YEAR**—there are nine records with a value of 1896 or earlier.
- 20) **EQ_BRAND**—there are some records with numeric values instead of brand names.
- 21) **EQ_MODEL**—there are 53 records with values of zero(s); there are records with ‘unknown’ responses.
- 22) **EQ_SER_NO**—there are 60 records with values of zero(s); there are records with ‘unknown’ responses as well as information other than serial numbers.
- 23) **EQ_YEAR**—there is one record with a value of zero; there are four records with a value of 1800; there are three records with a value of 1801; there is one record with a value of 1807; and there is one record with a value of 9999.
- 24) **FIRE_SPRD**—there are 419,274 records with a missing value; all these records, however, have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 or STRUC_TYPE=0, 3-8 or missing for which FIRE_SPRD is not required.
- 25) **STRUC_TYPE**—there are 413,893 records with a missing value. Of these, 413,892 have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 for which STRUC_TYPE is not required. Therefore, there is one record with a missing value where it is a required field (this record has INC_TYPE=111 and AID=N and should have a value in this field).
- 26) **STRUC_STAT**—there are 419,780 records with a missing value; all these records have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 or STRUC_TYPE=0, 3-8 or missing for which STRUC_STAT is not required.
- 27) **BLDG_ABOVE**—there are 18 records with stories at or above 200. There are 419,481 records with a missing value; all these records have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 or STRUC_TYPE=0, 3-8 or missing for which BLDG_ABOVE is not required.
- 28) **BLDG_BELOW**—there are four records with a value of -1; there are 25 records with stories below grade of 30 or more. There are 419,664 records with a missing value; all these records have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 or STRUC_TYPE=0, 3-8 or missing for which BLDG_BELOW is not required.
- 29) **BLDG_LGTH**—there are 896 records with a value of 0. There are 537,295 records with a missing value; of these records, 430,459 have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 or STRUC_TYPE=0, 3-8 or missing for which BLDG_LGTH is not required. The remaining 106,836 records with a missing value in BLDG_LGTH have a value in TOT_SQ_FT.
- 30) **BLDG_WIDTH**—there are 907 records with a value of 0. There are 537,295 records with a missing value; of these records, 430,459 have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 or STRUC_TYPE=0, 3-8 or missing for which BLDG_WIDTH

is not required. The remaining 106,836 records with a missing value in BLDG_WIDTH have a value in TOT_SQ_FT.

- 31) **TOT_SQ_FT**—there are 1,511 records with a value of 0. There are 469,708 records with a missing value; of these, 425,233 records have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 or STRUC_TYPE=0, 3-8 or missing for which TOT_SQ_FT is not required. The remaining 44,475 records with a missing value in TOT_SQ_FT have values in BLDG_LGTH and BLDG_WIDTH.
- 32) **FIRE_ORIG**—there are 122 records with values greater than 100. There are 419,567 records with a missing value; all these records have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 or STRUC_TYPE=0, 3-8 or missing for which FIRE_ORIG is not required.
- 33) **ST_DAM_MIN**—there is one record with a negative value.
- 34) **ST_DAM_HVY**—there is one record with a negative value.
- 35) **ST_DAM_XTR**—there are two records with a negative value.
- 36) **ITEM_SPRD**—there are nine records with a value of '80'; there are five records with a value of '90'; and there are 347 records with a value of '99' (not a CRG option).
- 37) **MAT_SPRD**—there are five records with a value of '28'; and there are 876 records with a value of '99' (not CRG options).
- 38) **DETECTOR**—there are 420,323 records with a missing value; all these records have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 or STRUC_TYPE=0, 3-8 or missing for which DETECTOR is not required.
- 39) **AES_PRES**—there are 418,714 records with a missing value; all these records have INC_TYPE=100, 110, 113-118, 130-911 or AID=3 or 4 or STRUC_TYPE=0, 3-8 or missing for which AES_PRES is not required.
- 40) **NO_SPR_OP**—there are three records with values greater than or equal to 500.

Civilian Fire Casualty File

- 1) **AFFILIAT**—there are four records with a value of 'U' (not a CRG option).
- 2) **AGE**—there are 23 records where age is greater than 100 (this includes one record with an age of 243); there are 81 records where age is 0; and there are four records with a missing value (required field).
- 3) **CAUSE_INJ**—there are four records with a value of 'N' (not a CRG option).
- 4) **INJ_DT_TIM**—there are 11 records with an injury date (year) other than 2024.
- 5) **SEV**—there are two records with missing values (required field).
- 6) **FACT_INJ1**—there are 72 records with a value of 'UU' (not a CRG option).
- 7) **STORY_INC**—there are two records with a value of -21.
- 8) **STORY_INJ**—there are two records with a value of -32.
- 9) **PRIM_SYMP**—there are 84 records with a value of 'NN' (not a CRG option).
- 10) **BODY_PART**—there are seven records with a value of '0'; and there are 60 records with a value of 'U' (not CRG options).
- 11) **CC_DISPOS**—there are 134 records with a value of 'N'; the rest of the records where CC_DISPOS was reported have a value of '1'.

Fire Service Casualty File

- 1) **AGE**—there are 114 records with a value of 0; there are 44 records with an age ranging from 1 to 8; there are 22 records with an age over 85 (including one with a value of 936).
- 2) **RESPONSES**—there are nine records with a value greater than 20.
- 3) **ASSIGNMENT** there are eight records with a value of ‘U’ (not a CRG option).
- 4) **SEVERITY**—there are 89 records with a value of ‘U’ (not a CRG option).
- 5) **TAKEN_TO**—there are seven records with a value of ‘U’ (not a CRG option).
- 6) **SYMPTOM**—there are 889 records with a value of ‘NN’ (not a CRG option).
- 7) **PABI**—there are two records with a value of ‘30’; there are four records with a value of ‘60’; and there are two records with a value of ‘70’ (not CRG options).
- 8) **STORY**—there are two records with a value of -32; there is one record with a value of -16; there is one record with a value of 222; and there is one record with a value of 321.
- 9) **LOCATION**—there are 83 records with a value of ‘NN’ (not a CRG option).
- 10) **VEHICLE**—there is one record with a value of ‘U’ (not a CRG option).

Fire Service Equipment Failure File

- 1) **EQUIP_ITEM**—there are 16 records with a missing value; there is one record with a value of ‘NN’ (not a CRG option).
- 2) **EQP_PROB**—there is one record with a value of ‘NN’ (not a CRG option).

Wildland Fire File

- 1) **LATITUDE**—there are 348 records with a value of 0.00 and there are five records with negative values (in the U.S., values of latitude are positive).
- 2) **LONGITUDE**—there are 345 records with a value of 0.00 and there are an additional 4,358 records with positive values (in the U.S., values of longitude are negative).
- 3) **TOWNSHIP**—there are 89 records with a value of 0; and there are 127 records with a value greater than 36.
- 4) **SECTION**—there is one record with a value of 0.
- 5) **AREA_TYPE**—there are 86 records with missing values (required field).
- 6) **FIRE_CAUSE**—there are 86 records with missing values (required field).
- 7) **HUM_FACT8**—this field contains all missing values.
- 8) **HUM_FACT1...HUM_FACT8**—there are 8,987 records where the human factor fields have no values (required field).
- 9) **FACT_IGN1**—there are 8,150 records with missing values (required field).
- 10) **FACT_IGN fields**—there are four records where **FACT_IGN1** equals **FACT_IGN2**.
- 11) **SUPP_FACT1**—there are 249 records with a value of ‘UUU’ (not a CRG option).
- 12) **HEAT_SOURC**—there are 86 records with missing values (required field).
- 13) **MOB_PROP**—there are 65 records with a value of ‘UU’ (not a CRG option).
- 14) **NFDRS_ID**—there are records that have invalid values as they contain less than six characters in the id number. CRG specifies a six-character ID.

- 15) **WIND_SPEED**—there are ten records with a value greater than 100 mph.
- 16) **AIR_TEMP**—there is one record with a temperature greater than 120 degrees F (i.e., 348).
- 17) **REL_HUMID**—there are nine records with a relative humidity of over 100%.
- 18) **FUEL_MOIST**—there are 106 records with values ranging from 26 to 99 (fuel moisture generally ranges from 0% to 25%).
- 19) **FED_CODE**—there are records with federal agency codes that do not match ones that are options in the CRG (e.g., some with numeric values and others with less than five-character values, etc.).
- 20) **ACRES_BURN**—there are 86 records with missing values (required field); there are two records with values of 99,999,999.
- 21) **CROP_BURN1, CROP_BURN2, CROP_BURN3**—there are records with numerical values in these fields as opposed to listing the type(s) of crops; there are 41 records where CROP_BURN1=CROP_BURN2; 39 records where CROP_BURN1=CROP_BURN3; 42 records where CROP_BURN2=CROP_BURN3; and 39 records where CROP_BURN1=CROP_BURN2=CROP_BURN3.
- 22) **TAX_BURN**—there is one record with a value of 500 (values should range between 0% and 100%).
- 23) **ST_BURN**—there is one record with a value of 235 (values should range between 0% and 100%).
- 24) **AGE**—there are 5,060 records with an age of 0; there are seven records with age values of 120 to 124; and one record with an age value of 999.
- 25) **ELEVATION**—there are 986 records with a value of 0 feet; and there is one record with a value greater than 20,000 feet.
- 26) **FLAME_LGTH**—there are 1,073 records with a value of 0.
- 27) **SPREAD_RAT**—there are 652 records with a value of 0.

EMS File

- 1) **ARRIVAL**—there are 48 records where the date has a year other than 2024; six of these records have a date of 1899 and 18 records have a date of 2025 (eight of these records have a date of 01/01/2022). The remaining records have dates ranging from 2000 to 3024.
- 2) **TRANSPORT**—there are 34 records where the date has a year other than 2024; 28 of these records have a date of 2025 (14 of these records have a date of 01/01/2025). There are six records that contain the following dates: 2027, 2034, 2224, 2400, and 2924.
- 3) **AGE**—there are 5,725 records where AGE is 0; there are 118 records where AGE is greater than 110 (73 of these records have an AGE greater than or equal to 120).
- 4) **SITE_INJ1**—there are 567 records with a value of ‘N’ (not a CRG option).
- 5) **PROC_USE20**—this field contains all missing values.
- 6) **SAFE_EQP7** and **SAFE_EQP8**—these fields contain all missing values. Additionally, there are no values of ‘N’ in the first field **SAFE_EQP1**, and there are no values of ‘U’ or ‘0’.
- 7) **ARR_DES1**—includes values ‘1’ and ‘2’ for both descriptors.
- 8) **ARR_DES2**—this field contains all missing values.
- 9) **IL_CARE**—there are 449,502 records with missing values (required field).
- 10) **HIGH_CARE**—there is one record with a value of ‘U’ (not a CRG option).

Hazardous Material File

- 1) **REL_FROM**—there are four records with a value of ‘3’ (not a CRG option).
- 2) **REL_STORY**—of 3,645 records that reported ‘outside of structure’ (value of ‘2’) in the REL_FROM field, 412 records have a numeric value in the REL_STORY field (although 176 of these have a value of 0).
- 3) **AFFEC_MEAS**—there are 12 records with a value of 9999.
- 4) **AFFEC_UNIT**—there are 4,451 records with a numeric value in the AFFEC_MEAS field. Of these, only 4,428 records contained a value in the AFFEC_UNIT field that defines the unit of measurement.
- 5) **EVAC_MEAS**—there are ten records with a value of 9999.
- 6) **EVAC_UNIT**—there are 1,942 records with a numeric value in EVAC_MEAS field. Of these, only 1,151 records contained a value in the EVAC_UNIT that defines the unit of measurement.
- 7) **CAUSE_REL**—there are 2,668 records with a missing value (required field).
- 8) **HAZ_DISPO**—there are 12 records with a missing value (required field).

Hazardous Material Chemical File

- 1) **UN_NUMBER**—there is one record with a value of ‘0000’; there are several records with less than four digits (UN_NUMBER is a four-digit number); there is one record with a value of ‘NA’; there is one record with a value of ‘na’; there are two records with a value of ‘none’; and there are two records with a value of ‘un 1’.
- 2) **DOT_CLASS**— there are two records with a value of ‘10’; there is one record with a value of ‘20’; there is one record with a value of ‘50’; there is one record with a value of ‘60’; and there are six records with a value of ‘90’ (not CRG options).
- 3) **CAS_REGIS**—there are three records with non-numeric values.
- 4) **CHEM_NAME**—there are 3,821 records with missing values (required field); there are also many records with a numeric value.
- 5) **CONT_CAP**—there are five records with a value of ‘999999999’.
- 6) **CAP_UNIT**—of the 2,863 records with a value in the CONT_CAP field, there are 271 records with a missing value in the CAP_UNIT field.
- 7) **AMOUNT_REL**—there are four records with a negative value; there are three records with a value of ‘999999999’; and there are 5,770 records with missing values (required field).
- 8) **UNITS_REL**—of the 5,273 records with values in the AMOUNT_REL field, there are 251 records with a missing value in the UNITS_REL field.
- 9) **REL_INT**—there is one record with a value of ‘U’ (not a CRG option).

Hazardous Material Mobile Property Type File

- 1.) **MP_YEAR**—there are four records with a value of -1; there are nine records with a value of 0; and there are five records with a value between 11 and 23.
- 2.) **MP_LICENSE**—there is one record with a value of 0; and there is one record with a value of ‘00000000’.

Hazardous Material Equipment Involved File

EQ_YEAR—there are four records with a value of -1; and there are six records with a value of 0.

Arson File

- 1.) **MOT_FACTS** fields—there is one record where **MOT_FACTS1 = MOT_FACTS2 = MOT_FACTS3**.
- 2.) **GRP_INVOL2**—this field contains all missing values.
- 3.) **GRP_INVOL3**—this field contains all missing values.

Arson Juvenile Subject File

- 1) **AGE**—there are 81 records where **AGE**=0; there are 48 records where **AGE** values are greater than 17. **AGE** should only be completed on the Juvenile Firesetter Module if the person involved in ignition was under age 18.
- 2) **RISK_FACT1**—there are 59 records with value of 'Z' (not a CRG option).

Arson Agency Referral File

- 1) **AGENCY_NAM**—there are some records with invalid agency names (e.g., 'duty officer').
- 2) **AG_ST_NUM**—there are a few records with suite numbers in this field.
- 3) **AG_STREET**—there are records that only include the street number in the street name field as well as the full street address with street type (e.g., 100 Government Dr; 1006 S Old Robinson RD).
- 4) **AG_APT_NO**—there are records with PO Box numbers.
- 5) **AG_CITY**—there are a few records with zip codes.
- 6) **AG_ZIP5**—there is one record with a zip code of '00000' and 49 records with a zip code of '0' (not valid zip codes).
- 7) **AG_ZIP4**—there are eight records where zip4 is '0000'.
- 8) **AG_PHONE**—there are several records with incomplete phone numbers.
- 9) **AG_CASE_NO**—there are 230 records where the case numbers contain all zero values; there are records with responses containing information other than case numbers.
- 10) **AG_ORI**—there are some records that contain character values (names) in this field.
- 11) **AG_FID**—there are some records with state abbreviation codes in this field.
- 12) **AG_FDID**—there are two records with zero values in this field; there are records with invalid FDID numbers (e.g., 'UNK', 'na').

Fire Department Header File

- 1) **FD_NAME**—this field contains some records that are values or FDID numbers.
- 2) **FD_STR_NO**—there are some records that contain ‘PO BOX’ in the street number field and other invalid street numbers and names.
- 3) **FD_STREET**—there are records that include the street number in the street name field as well as the full street address; and there are also records that include ‘PO BOX’ in this field.
- 4) **FD_STR_TYP**—there is one record with a value of ‘30’; there is one record with a value of ‘AVEN’ (not a CRG option); and there are other records with invalid street type codes (e.g., ‘Roas’).
- 5) **FD_CITY**—there are a few records with numeric values or street addresses.
- 6) **FD_ZIP**—there are 46 records with zip code values of zero/zeroes; there are 130 records with four leading zeroes (not valid zip codes).
- 7) **FD_PHONE**—there are records with invalid phone numbers; others are incomplete or include character values.
- 8) **FD_FAX**—similar issues as seen with FD_PHONE field.
- 9) **FD_EMAIL**—email addresses appear to be invalid (contain no @ symbols or periods).
- 10) **FD_FIP_CTY**—there are records with invalid values for the FIPS County Code; some of the codes are less than three digits and include character values. FIPS County Codes consist of numbers.
- 11) **NO_PD_FF**—there is one record with a value of 9,999.
- 12) **NO_VOL_FF**—there are six records with a value of 1,000 or more.
- 13) **NO_VOL_PDC**—there are two records with a value of 2,000 or more.