

Iowa EMS Patient Registry

Data Dictionary

Prepared by:



IOWA EMS PATIENT REGISTRY

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Iowa EMS Patient Registry Data Dictionary

Each data element is presented using the following template. The Consensus Panel considered it important to provide sufficient detail about each data element to justify its inclusion in the uniform data set, as well as to assist agencies, which seek to implement a data collection system. When a data element requires specific categories, these are listed in the data item specification ("Data Items"). The Panel recognizes that the lists, which are included in this dictionary are imperfect, but definitions of these lists have been debated for many years without resolution.

Definition of the Priority items:

Mandatory: These are elements that are required on all incidents. Failure to provide the mandatory element will flag the record of the incident to NOT be accepted into the registry. Correction of the deficiency is required to properly submit the incident.

Essential: These are elements that are to be completed on incidents where they pertain as identified in the Business Rules section for the particular element. If they are missing, the record will be accepted by the registry, but will be flagged as non-compliant.

Desirable: These are elements that are strongly requested but may not be possible to collect on all incidents.

#

Name of Data Element:	Name
Priority:	Mandatory or Essential or Desirable
Definition:	Short definition of data element
Code:	A coded description of the data element values or attributes
Field Length:	Length of data element
Field Starting and Ending Position:	Specifies position of data element in ASCII fixed length file
Data Items:	Defined data elements - alternative descriptions of the data element values or attributes.

Content: Detailed discussion of definition and content.

Discussion and Justification: Provide further details and justify the data element.

Business Rules: Provide information on the requirements for and to a data element to enforce data integrity and submission compliance.

Technical Comments: Additional information which may be of use to individuals setting up a data collection system.

Iowa EMS Patient Registry Element Dictionary

1.

Name of Data Element:	Lithocode
Priority:	Mandatory
Definition:	Unique number for each incident in a state
Code:	Numeric entry
Field Length:	8
Field Starting and Ending Position:	1 - 8

Content: Unique 8 digit number from series assigned to an approved software product from commercial vendor or in-house from EMS agency.

Discussion and Justification: Unique numbers for a patient care record. This number is unique within the state and region. Provides a specific key to a specific record. This record number will fulfill all the requirements for linkage, which have been described under incident number.

Business Rules: *All records submitted must have a unique lithocode in the series assigned to the software company.* Records with duplicate or missing lithocodes will be rejected and marked as non-compliant by the system.

Technical Comments: This is the central and most important number in the prehospital portion of the EMS information system. Every incident must have a Lithocode number even if there is no patient. An incident will have multiple Lithocodes if there are multiple patients or multiple responders to single patients.

2.

Name of Data Element:	Agency / Unit Number
Priority:	Mandatory
Definition:	Number that identifies the agency and unit responding to an incident.
Code:	Numeric entry.
Field Length:	9
Field Starting and Ending Position:	9 - 17
Data Items: Refer to Appendix A (EMS Agency List) for Agency Number	

Content: This element consists of a State assigned agency number and the unit number. Zero fill, left justified if unit number is small (e.g. If agency number is 1999887 and unit number is 2 then the number submitted should be 1999887002).

Discussion and Justification: Identifies specific agency and unit number. Can be used to construct reports, which are specific to agencies or units. Particularly valuable for local reporting. This number may also be of value in the automatic construction of PCR numbers or incident numbers.

Business Rules: *All records submitted must have an Agency/Unit Number entered.* The Agency number must be from the approved agency list as published by the Iowa Department of Public Health, Bureau of EMS. Records with a missing or an invalid entry will be rejected and marked as non-compliant by the system.

Technical Comments: This is the agency's number assigned by the Iowa Department of Public Health, Bureau of EMS along with the agency's local numbering of the individual unit. The first digit designates whether the service is land or air, the next 2 digits are the agency's county of origin's numerical identifier, followed by the 2 digits of the agency's service number within the county, finally the last 2 digits indicates the presence of a satellite service. The last 2 digits, Unit Number, are defined by the local agency to identify individual vehicles in their fleet. The Unit Number should stay permanently assigned to the vehicle until retirement of that vehicle. This allows the generation of reports for a specific vehicle in a fleet.

3.

Name of Data Element:	Incident Number (PCR\Response\Trip Number)
Priority:	Mandatory
Definition:	Unique number for each incident reported to dispatch.
Code:	Alpha/numeric entry.
Field Length:	9
Field Starting and Ending Position:	18 - 26

Content: This element consists of the unique 9-position number assigned by a local jurisdiction to each EMS related incident. Zero fill, left justified if number is small (e.g. 0000123).

Discussion and Justification: It should be unique within an agency, and then by combining it with a unique agency number, it will be possible to construct another unique identifying number for the incident.

This number is valuable for linking EMS data files with other files related to the incident, such as emergency department and inpatient hospital files, if those medical files also contain this number. Accurate numbering within all available files may be facilitated by technologies such as bar codes.

Probabilistic linkage methodology is of great value when linking files that do not have numeric fields such as incident number in common. However, linkage is greatly facilitated by the presence of such a number in each of the files to be linked.

Business Rules: *All records submitted must have an agency defined Incident Number for local cross-reference.* Records with a missing or an invalid entry will be rejected and marked as non-compliant by the system. Duplicates of this field are ignored.

Technical Comments: In some cases incident number, Lithocode number, or PSAP number may be the same.

4.

Name of Data Element:	Date Incident Reported
Priority:	Mandatory
Definition:	Date the call is first received by a public safety answering point (PSAP) or other designated entity.
Code:	Date format should be coded as MMDDYYYY.
Field Length:	8
Field Starting and Ending Position:	27 - 34

Content: Format permits sorting across multiple years, and is recommended for data export purposes. Century digits are mandatory.

Discussion and Justification: Used in conjunction with "Time Incident Reported" to assess the duration between onset of a medical emergency and receipt of a request for EMS response, as well as to assess the duration of time required mobilizing the response and providing the patient definitive care. The data element is also used to help EMS planners allocate resources by day of week and season of year.

Business Rules: *All records submitted must have a Date Incident Reported entered.* Records with missing or an invalid entry will be rejected and marked as non-compliant by the system.

Technical Comments: Format MMDDYYYY is recommended as part of FIPS standard. For month and day, use leading zeros if necessary to pad the fields to 2 characters each.

5.

Name of Data Element:	PCR Report Date
Priority:	Mandatory
Definition:	Date the PCR was entered.
Code:	Date format should be coded as MMDDYYYY.
Field Length:	8
Field Starting and Ending Position:	35 - 42

Content: Format permits sorting across multiple years, and is recommended for data export purposes. Century digits are mandatory.

Discussion and Justification: Used in conjunction with "Time Incident Reported" to assess the duration between onset of a medical emergency and receipt of the PCR report submission. The data element is also used to help EMS planners allocate resources by day of week and season of year.

Business Rules: *All records submitted must have a PCR Report Date entered.* Records with missing or an invalid entry will be rejected and marked as non-compliant by the system.

Technical Comments: Format MMDDYYYY is recommended as part of FIPS standard. For month and day, use leading zeros if necessary to pad the fields to 2 characters each.

6.

Name of Data Element:	Estimated Date of Injury or Onset of Symptoms
Priority:	Essential
Definition:	Estimated date of injury or onset of medical symptoms either by EMS personnel or reported to EMS personnel by patient or bystander.
Code:	Day format should be coded as MMDDYYYY.
Field Length:	8
Field Starting and Ending Position:	43 - 50

Content: MM ranges from 01 to 12; DD ranges from 01 to 31; YYYY ranges from 1932 - present.

Discussion and Justification: Necessary to measure impact of injury time on treatment provided by EMS staff as well as receiving trauma care facility.

Business Rules: *Records submitted with an Incident Disposition code of 'Treated, Transported...', 'Care Transferred', 'Patient Refused', 'Treated, transported... vehicle', 'Treated and...', 'DOA', 'must have an Estimated Date of Injury or Onset of Symptoms entered. Required records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: Format MMDDYYYY is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for MM and DD.

7.

Name of Data Element:	Estimated Time of Injury or Onset of Symptoms
Priority:	Essential
Definition:	Estimated time of injury or onset of medical symptoms either by EMS personnel or reported to EMS personnel by patient or bystander.
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	51 - 56

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Necessary to measure impact of injury time on treatment provided by EMS staff as well as receiving trauma care facility.

Business Rules: *Records submitted with an Incident Disposition code of 'Treated, Transported...', 'Care Transferred', 'Patient Refused', 'Treated, transported... vehicle', 'Treated and...', 'DOA', 'must have an Estimated Time of Injury or Onset of Symptoms entered.* Required records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM and SS. Midnight is coded as 000000, and begins the new day.

8.

Name of Data Element:	Incident GPS Location
Priority:	Desirable
Definition:	The Incident's GPS coordinates where the patient was found, or, if no patient, address to which unit responded.
Code:	Alpha/numeric entry
Field Length:	20
Field Starting and Ending Position:	57 - 76

Content: Contains the GPS coordinates, Latitude and Longitude, of the incident where the patient was found or location unit responded to.

Discussion and Justification: Provides exact location of incident, which can be used to determine the appropriate level of EMS resources for specific areas.

Business Rules: If the data is not submitted then the field must be left blank and filled with the appropriate spaces.

Technical Comments: The format should be Latitude followed by Longitude. Use only the N (North) and W (West) identifiers with numbers in order of degree, minutes and decimal. Do not submit decimal or minute marks (N512345W0772345).

9.

Name of Data Element:	Incident City/County FIPS
Priority:	Mandatory
Definition:	City or township (if applicable) where patient was found or to which unit responded (or best approximation)
Code:	Numeric entry.
Field Length:	5
Field Starting and Ending Position:	77 - 81
Data Items:	
Please refer to Appendix C (Iowa City/County FIPS List) 99999 – Not Listed	

Content: This five (5)-digit field is coded using the FIPS system, wherein each city is encoded as a five (5)-digit number (i.e. West Des Moines '83910'.) City FIPS codes are only unique within a state.

Business Rules: *All records submitted must have an Incident FIPS entered.* The FIPS entered must be from the approved FIPS list found in Appendix C. Records with a missing or an invalid entry will be rejected and marked as non-compliant by the system.

Discussion and Justification: Provides city location of incident, which can be used to determine the appropriate level of EMS resources for specific areas. In addition, this field may facilitate probabilistic linkage to crash reports from the same city, or to hospitals within the same city. Field may be used for local city reports, permitting local understanding of the impact of EMS.

10.

Name of Data Element:	Incident Type (Service Type)
Priority:	Mandatory
Definition:	Type of service requested.
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	82 - 83
Data Items:	
01	Fire
02	Medical
03	Trauma
04	Mutual Aid
05	EMS Rendezvous/Tier
06	Public Service
07	Standby
08	Scheduled Transfer
09	Unscheduled Transfer

Content: This is a list of the general categories that should match the type of the incident.

Discussion and Justification: Used to categorize the types of service, which are required, and allows planning of EMS resource allocation.

Business Rules: *All records submitted must have an Incident Type entered.* Records with missing or an invalid Incident Type will be rejected and marked as non-compliant by the system.

Only one (1) Incident Type from the above data item list can be submitted. If responders do not arrive on scene they are to approximate the incident type based on dispatch information.

Technical Comments: Incident type is important for epidemiologists as well as EMS planners deciding where to allocate EMS resources.

01 *Fire*

Refers to direct response to the scene of a Fire Incident. This location should be the location indicated in data element 9 in this document.

02 *Medical*

Refers to direct response to the scene of a Medical Incident. This location should be the location indicated in data element 9 in this document. This code should not be used by the second unit that receives the transfer of a patient from another EMS responder prior to arrival at a medical facility or final destination, which is coded as a rendezvous.

03 *Trauma*

Refers to direct response to the scene of a Trauma Incident. This code should not be used by the second unit that receives the transfer of a patient from another EMS responder prior to arrival at a medical facility or final destination, which is coded as a rendezvous.

04 *Mutual Aid*

Refers to situation in which EMS response unit assists another unit at the scene of an Incident.

05 *EMS Rendezvous/Tier*

To be used at any location where the transporting unit rendezvous with another unit, which provides the same or higher level of care and transfers patient to that entity. This may include an Advanced Life Support Unit or Airmedical Service.

06 *Public Service*

Refers to a situation in which EMS response unit is performing a public service.

07 *Standby*

Refers to situation in which EMS response unit is requested to arrive at a scene and be available, such as at a football stadium. If an incident occurs during the *standby*, the service requested becomes *scene*.

08 *Scheduled Transfer*

Refers to transfers of patients from one facility to another facility, as defined above for *Interfacility*. However, this code is chosen when the transfer is scheduled in advance, such as a planned morning transfer of a patient from one hospital to another.

09 *Unscheduled Transfer*

Refers to transfers of patients from one facility to another facility. This code should not be used for planned, scheduled transfers, which are coded separately. This code should not be used by the second unit involved in the transfer of a patient from one EMS responder to another responder during an unscheduled transfer, which is also coded as a rendezvous.

11.

Name of Data Element:	Location Type		
Priority:	Mandatory		
Definition:	Type of location of incident		
Code:	Numeric entry		
Field Length:	2		
Field Starting and Ending Position:	84 - 85		
Data Items			
01	Residence	14	Mine
02	Traffic way 55+mph	15	Office/Business
03	Other Traffic way	16	Acute Care Facility
04	Public Place	17	Clinic /Dr. Office
05	Recreation area	18	Extended Care Facility
06	Waterway	19	Casino
07	Wilderness	20	Non Public Road / Off Road
08	Hotel / Motel	21	Correctional Facility
09	School / College	22	Mental Health Facility
10	Bar / Restaurant	23	Specialty Care Facility
11	Farm	77	Unspecified location
12	Reservation	88	Not Applicable
13	Industrial	99	Unknown

Content: Location type data items are coded in terms of the (ICD-9) E849 place of occurrence codes. This location refers to the location where the injury occurred, not necessarily the origin of the transport.

Discussion and Justification: Location type of the incident is important for epidemiologists as well as EMS planners deciding where to allocate EMS resources.

The categories in this dictionary are from ICD-9 and are E849 place of occurrence codes, with exceptions. These exceptions allow for more defined coding of established E849 codes or for unique locations inherent to Iowa that are not addressed in E849 but important for state planning.

Business Rules: *All records submitted must have an Incident Location Type entered.* Records

with missing or an invalid entry will be rejected and marked as non-compliant by the system. **Only one (1) Incident Location Type** from the above data item list can be submitted. If responders do not arrive on scene they are to approximate the incident location based on dispatch information.

Technical Comments: It is expected that these codes will need to be modified when ICD-10 becomes widely used. Definitions below are from ICD-9, which is currently utilized.

01 *Residence (E Code 849.0)*

Includes apartment, boarding house, farm house, home premises, residential house, non-institutional place of residence, private driveway, private garage, private garden, private home, private walkway, swimming pool within private house or garden, and yard of home. Excludes home under construction but not occupied, or institutional place of residence.

02 *Traffic way 55 + mph*

Includes all public roadways where speed limit is rated as 55 miles per hour or higher.

03 *Other Traffic way*

Includes all public roadways where speed limit is rated lower than 55 miles per hour.

04 *Public Place*

Includes any place used by the general public, including airport, bank, cafe, church, cinema, clubhouse, courthouse, dance hall, parking garage, market, movie theater, music hall, opera house, post office, public hall, broadcasting station, bus or railway station, State and Federal buildings or theater. Excludes home garage or industrial building or workplace. Excludes occurrences in private house, private garden, private swimming pool, and private yard.

05 *Recreation area (E Code 849.4)*

Includes amusement park, baseball field, basketball court, beach resort, cricket ground, football field, golf course, gymnasium, hockey field, holiday camps, ice palace, lake resort, mountain resort, playgrounds including school playground, public parks, racecourses, resorts of all types, riding school, rifle range, seashore resorts, skating rink, sports ground, sports palace, stadium, public swimming pool, tennis court, vacation resort. Excludes occurrences in private house, private garden, private swimming pool, and private yard.

06 *Waterway*

Includes any stream, creek, reservoir, river, pond, natural pond, swamp, lake, sea or oceans. Excludes occurrences in private house, private garden, private swimming pool, and private yard.

07 *Wilderness*

Includes any wilderness area used by the general public that is not publicly owned.

08 *Hotel / Motel*

Includes any building that is considered to be a Hotel or Motel used by the general public.

09 *School / College*

Includes state, public and private schools. Excludes playground, gymnasium, and other recreational locations within educational institutions, which should be coded as place for recreation or sport.

10 *Bar /Restaurant*

Includes any building that is considered to be a Bar or Restaurant used by the general public.

11 *Farm*

Includes any buildings or land that are designated as a Farm.

12 *Reservation*

Includes any buildings or land that are designated as a Reservation.

13 *Industrial (E Code 849.3)*

Includes building under construction, dockyard, dry dock, factory building or premises, garage (place of work), industrial yard, loading platform in factory or store, industrial plant, railway yard, shop (place of work), warehouse, and workhouse.

14 *Mine (E Code 849.2)*

Includes gravel pit, sand pit, or tunnel under construction.

15 *Office Business*

Includes locations that are designated as a place of employment.

16 *Acute Care Facility*

Includes locations that are designated by the State Department of Health to be providing acute care for patients.

17 *Clinic / Dr. Office*

Includes locations that are designated as Clinic or private Dr. Offices.

18 *Extended Care Facility*

Includes locations that are designated by the State Department of Health to be providing extended care for patients.

19 *Casino*

Includes any building or area of larger building that is considered to be a Casino used by the general public.

20 *Non Public Road / Off Road*

Includes all Non Public Roadways or any Off Roadways.

21 *Correctional Facility*

Includes any building used to house or hold prisoners.

22 *Mental Health Facility*

Includes any building used for mental health care or treatments.

23 *Specialty Care Center*

Includes all surgi-centers, dialysis or other specialty health care stand-alone facilities.

77 *Unspecified location* (E Code 849.9)

Includes any location not included in the above classification.

88 *Not Applicable*

To be used when there is no patient.

99 *Unknown* (E Code 849.U)

To be used when the location of incident is not known.

12.

Name of Data Element:	Incident / Patient Disposition		
Priority:	Mandatory		
Definition:	End result of EMS response.		
Code:	Numeric entry		
Field Length:	2		
Field Starting and Ending Position:	86 - 87		
Data Items:			
01	Treated, transported by EMS	06	Treated and Released
02	Care transferred	07	No treatment required
03	Cancelled	08	Dead at scene
04	Patient refused care, AMA	09	No Patient Found
05	Treated, transported by private vehicle		

Content: This two (2)-digit data element reflects the final disposition of EMS responses.

Discussion and Justification: Allows reports to be generated according to the final disposition of EMS responses. This will provide information about the reasons for which EMS is notified, correlated with the ultimate incident disposition. For instance, it will be of value to know that in certain regions, EMS is frequently activated to see patients who require no treatment or transport. Reports generated from this data element may be of use in coordinating the dispatch and responder functions as well.

Business Rules: *All records submitted must have an Incident/Patient Disposition entered.* Records with missing or an invalid entry will be rejected and marked as non-compliant by the system. **Only one (1) Incident/Patient Disposition** from the above data item list can be submitted. This field is important in that it dictates further required fields based on the selections. For example a 'Treated, Transported ...' disposition will require more completed fields submitted than a disposition of 'Cancelled'.

Technical Comments:

01 *Treated and transported by EMS*

This code means that the EMS responder providing the data record treated and transported the patient. Transport may be to any valid destination, as defined for the destination data element. If the EMS responder transports a patient to a rendezvous point with another EMS responder (for instance, a ground crew rendezvous with a helicopter based agency), this is the correct code for this data element.

02 *Care transferred*

This code means that the EMS responder provided treatment at the scene but the patient was transferred into the care of another service. The EMS responder did not provide transport in this instance. For example, if a BLS provider is at a scene and treats a patient, but a separate ALS responder arrives and takes over, the BLS record would indicate this code. If an EMS responder treats a patient who is then transported by a separate police or fire vehicle, this is the correct code for the EMS responder record.

03 *Cancelled*

This code means that the EMS response was cancelled enroute or on scene.

04 *Patient refused care, Against Medical Advice (AMA)*

Patient was at scene and refused care, whether injured or not. If the EMS responder knows that there is an injury, but the patient refuses care and is transported by friends or acquaintances, this is still the correct code for this data element.

05 *Treated, transported by private vehicle*

This code means that the EMS responder provided treatment, but the patient was transported to his or her destination by a private vehicle. This includes instances in which the patient transports himself via private automobile, if the EMS responder understands that the patient is going to seek further medical care, such as at a private doctor's office or the local emergency department.

06 *Treated and released*

This code means that the EMS responder provided treatment, and the patient required no further emergency care. This is distinct from the instance in which the patient is known to be in need of further care, but is transported by him self or others to the facility providing further care.

07 *No treatment required*

This code means that the EMS responder evaluated the patient, and no treatment was required. If the patient refused evaluation, or if the EMS responder did not evaluate a specific patient, this is not the correct code for this data element.

08 *Dead at scene*

This code means that the patient was pronounced dead at the scene, whether or not treatment was undertaken. If a patient is given CPR at the scene and transported to the hospital while undergoing CPR, then this is not the correct code. If a patient is given CPR and is then pronounced dead at the scene, this is the correct code.

09 *No patient found*

This code is used if a unit arrives on scene, but the responder can find no patient or there is no patient contact.

13.

Name of Data Element:	Primary Crewmember Certification Type		
Priority:	Mandatory		
Definition:	Personnel certification / license level of crew member		
Code:	Numeric entry.		
Field Length:	2		
Field Starting and Ending Position:	88 - 89		
Data Items:			
01	First Responder	06	Nurse
02	EMT Basic	07	Physician
03	EMT Intermediate	08	Physician Assistant
04	EMT Paramedic	09	Specialty Care Provider
05	Paramedic Specialist	77	Other

Discussion and Justification: This data element permits assessing the highest level of care, which was available on the EMS responder team and the person responsible for completing the patient care report. By combining this information with vehicle type, there is maximum flexibility in describing the type of service, which was provided. For instance, any level of crewmember certification may be present with any type of vehicle. Reports of value may include descriptions of therapies according to level of provider, adherence to protocols which are written differently for various levels of provider, etc.

Business Rules: *All records submitted must have a Primary Crewmember Certification Type position entered.* Failure to supply the Primary Crewmember Certification position will flag the record as non-compliant. **Only the highest held Crewmember Certification Type** from the above data item list can be submitted. If the selected Crewmember Certification Type is not listed as 'Other' or 'Specialty Care Provider', then a Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency (RN/Physician) certification number is required for the corresponding Certification Number data element (refer to that data element's business rule section).

Technical Comments: This element captures the highest certification of the responder as recognized by the Iowa Department of Public Health, Bureau of EMS and the person responsible for completion of the patient care report. Certifications held but not listed must be marked as 'Other'.

09 *Specialty Care Provider*

Any allied health care provider or specially trained health care provider such as a Respiratory Therapist, specially trained nurse.

14.

Name of Data Element:	Primary Crewmember Certification Number
Priority:	Essential
Definition:	Personnel certification / license number for first crewmember.
Code:	Numeric or alpha/numeric entry.
Field Length:	7
Field Starting and Ending Position:	90 – 96

Discussion and Justification: Necessary to identify specific crewmembers participating in an EMS response. Useful for constructing experience reports, monitoring care rendered by specific providers, planning educational programs.

Business Rules: If the corresponding Crewmember Certification Type is not listed as ‘Other’ or ‘Specialty Care Provider’, then an Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency (RN/Physician) certification number is required for the corresponding Certification Number data element. Failure to supply a certification number when required will flag the record as non-compliant. If the crewmember position and associated crewmember certification type is not entered then the field must be left blank and filled with the appropriate number of spaces.

Technical Comments: This element is the unique certification number associated with the highest certification of the responder as assigned by the Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency.

Nursing License: 6 numeric characters.

Physician License: 5 numeric characters for MD, 4 or 5 numeric characters for DO.

Physician Assistant: 6 numeric characters.

Specialist Physician: The letter S plus 3 or 4 numeric characters. Foreign nationals who come to the state for brief assignments primarily use this.

Temporary Physician: the letter T followed by 3 or 4 numeric characters.

15.

Name of Data Element:	Crewmember Two Certification Type		
Priority:	Essential		
Definition:	Personnel certification / license level of crewmember		
Code:	Numeric entry.		
Field Length:	2		
Field Starting and Ending Position:	97 - 98		
Data Items:			
01	First Responder	06	Nurse
02	EMT Basic	07	Physician
03	EMT Intermediate	08	Physician Assistant
04	EMT Paramedic	09	Specialty Care Provider
05	Paramedic Specialist	77	Other

Discussion and Justification: This data element permits assessing the highest level of care, which was available on the EMS responder team. By combining this information with vehicle type, there is maximum flexibility in describing the type of service, which was provided. For instance, any level of crewmember certification may be present with any type of vehicle.

Reports of value may include descriptions of therapies according to level of provider, adherence to protocols which are written differently for various levels of provider, etc.

Business Rules: Only the highest held Crewmember Certification Type from the above data item list can be submitted. If the selected Crewmember Certification Type is not listed as 'Other' or 'Specialty Care Provider', then an Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency (RN/Physician) certification number is required for the corresponding Certification Number data element (refer to that data element's business rule section). If the crewmember position on the incident is not filled then the field must be left blank and filled with the appropriate number of spaces.

Technical Comments: This element captures the highest certification of the responder as recognized by the Iowa Department of Public Health, Bureau of EMS. Certifications held but not listed must be marked as 'Other'.

09 *Specialty Care Provider*

Any allied health care provider or specially trained health care provider such as a Respiratory Therapist, specially trained nurse.

16.

Name of Data Element:	Crewmember Two Certification Number
Priority:	Essential
Definition:	Personnel certification / license number for second crewmember.
Code:	Numeric or alpha/numeric entry.
Field Length:	7
Field Starting and Ending Position:	99 - 105

Discussion and Justification: Necessary to identify specific crewmembers participating in an EMS response. Useful for constructing experience reports, monitoring care rendered by specific providers, planning educational programs.

Business Rules: If the corresponding Crewmember Certification Type is not listed as ‘Other’ or ‘Specialty Care Provider’, then an Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency (RN/Physician) certification number is required for the corresponding Certification Number data element. Failure to supply a certification number when required will flag the record as non-compliant. If the crewmember position and associated crewmember certification type is not entered then the field must be left blank and filled with the appropriate number of spaces.

Technical Comments: This element is the unique certification number associated with the highest certification of the responder as assigned by Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency.

Nursing License: 6 numeric characters.

Physician License: 5 numeric characters for MD, 4 or 5 numeric characters for DO.

Physician Assistant: 6 numeric characters.

Specialist Physician: The letter S plus 3 or 4 numeric characters. Foreign nationals who come to the state for brief assignments primarily use this.

Temporary Physician: the letter T followed by 3 or 4 numeric characters.

17.

Name of Data Element:	Crewmember Three Certification Type		
Priority:	Desirable		
Definition:	Personnel certification / license level of crewmember		
Code:	Numeric entry		
Field Length:	2		
Field Starting and Ending Position:	106 - 107		
Data Items:			
01	First Responder	06	Nurse
02	EMT Basic	07	Physician
03	EMT Intermediate	08	Physician Assistant
04	EMT Paramedic	09	Specialty Care Provider
05	Paramedic Specialist		

Discussion and Justification: This data element permits assessing the highest level of care, which was available on the EMS responder team. By combining this information with vehicle type, there is maximum flexibility in describing the type of service, which was provided. For instance, any level of crewmember certification may be present with any type of vehicle.

Reports of value may include descriptions of therapies according to level of provider, adherence to protocols which are written differently for various levels of provider, etc.

Business Rules: Only the highest held Crewmember Certification Type from the above data item list can be submitted. If the selected Crewmember Certification Type is not listed as 'Other' or 'Specialty Care Provider', then an Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency (RN/Physician) certification number is required for the corresponding Certification Number data element (refer to that data element's business rule section). If the crewmember position on the incident is not filled then the field must be left blank and filled with the appropriate number of spaces.

Technical Comments: This element captures the highest certification of the responder as recognized by the Iowa Department of Public Health, Bureau of EMS. Certifications held but not listed must be marked as 'Other'.

09 *Specialty Care Provider*

Any allied health care provider or specially trained health care provider such as a Respiratory Therapist, specially trained nurse.

18.

Name of Data Element:	Crewmember Three Certification Number
Priority:	Desirable
Definition:	Personnel certification / license number for third crewmember.
Code:	Numeric or alpha/numeric entry.
Field Length:	7
Field Starting and Ending Position:	108 - 114

Discussion and Justification: Necessary to identify specific crewmembers participating in an EMS response. Useful for constructing experience reports, monitoring care rendered by specific providers, planning educational programs.

Business Rules: If the corresponding Crewmember Certification Type is not listed as ‘Other’ or ‘Specialty Care Provider’, then an Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency (RN/Physician) certification number is required for the corresponding Certification Number data element. Failure to supply a certification number when required will flag the record as non-compliant. If the crewmember position and associated crewmember certification type is not entered then the field must be left blank and filled with the appropriate number of spaces.

Technical Comments: This element is the unique certification number associated with the highest certification of the responder as assigned by Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency.

Nursing License: 6 numeric characters.

Physician License: 5 numeric characters for MD, 4 or 5 numeric characters for DO.

Physician Assistant: 6 numeric characters.

Specialist Physician: The letter S plus 3 or 4 numeric characters. Foreign nationals who come to the state for brief assignments primarily use this.

Temporary Physician: the letter T followed by 3 or 4 numeric characters.

19.

Name of Data Element:	Crewmember Four Certification Type		
Priority:	Desirable		
Definition:	Personnel certification / license level of crewmember		
Code:	Numeric entry		
Field Length:	2		
Field Starting and Ending Position:	115 - 116		
Data Items:			
01	First Responder	06	Nurse
02	EMT Basic	07	Physician
03	EMT Intermediate	08	Physician Assistant
04	EMT Paramedic	09	Specialty Care Provider
05	Paramedic Specialist	77	Other

Discussion and Justification: This data element permits assessing the highest level of care, which was available on the EMS responder team. By combining this information with vehicle type, there is maximum flexibility in describing the type of service, which was provided. For instance, any level of crewmember certification may be present with any type of vehicle.

Reports of value may include descriptions of therapies according to level of provider, adherence to protocols which are written differently for various levels of provider, etc.

Business Rules: Only the highest held Crewmember Certification Type from the above data item list can be submitted. If the selected Crewmember Certification Type is not listed as 'Other' or 'Specialty Care Provider', then an Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency (RN/Physician) certification number is required for the corresponding Certification Number data element (refer to that data element's business rule section). If the crewmember position on the incident is not filled then the field must be left blank and filled with the appropriate number of spaces.

Technical Comments: This element captures the highest certification of the responder as recognized by the Iowa Department of Public Health, Bureau of EMS. Certifications held but not listed must be marked as 'Other'.

09 *Specialty Care Provider*

Any allied health care provider or specially trained health care provider such as a Respiratory Therapist, specially trained nurse.

20.

Name of Data Element:	Crewmember Four Certification Number
Priority:	Desirable
Definition:	Personnel certification / license number for fourth crewmember.
Code:	Numeric or alpha/numeric entry.
Field Length:	7
Field Starting and Ending Position:	117 - 123

Discussion and Justification: Necessary to identify specific crewmembers participating in an EMS response. Useful for constructing experience reports, monitoring care rendered by specific providers, planning educational programs.

Business Rules: If the corresponding Crewmember Certification Type is not listed as ‘Other’ or ‘Specialty Care Provider’, then an Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency (RN/Physician) certification number is required for the corresponding Certification Number data element. Failure to supply a certification number when required will flag the record as non-compliant. If the crewmember position and associated crewmember certification type is not entered then the field must be left blank and filled with the appropriate number of spaces.

Technical Comments: This element is the unique certification number associated with the highest certification of the responder as assigned by Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency.

Nursing License: 6 numeric characters.

Physician License: 5 numeric characters for MD, 4 or 5 numeric characters for DO.

Physician Assistant: 6 numeric characters.

Specialist Physician: The letter S plus 3 or 4 numeric characters. Foreign nationals who come to the state for brief assignments primarily use this.

Temporary Physician: the letter T followed by 3 or 4 numeric characters.

21.

Name of Data Element:	PSAP Time of Call (Time Incident Reported)
Priority:	Essential
Definition:	Time call is first received by Public Safety Answering Point (PSAP) or other designated entity.
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	124 - 129

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59. When available, the time should be the connect time to the PSAP.

Discussion and Justification: Provides the start point of the EMS response, and allows managers to assess the adequacy of EMS response, identify delays, and plan resources in a manner to provide expeditious EMS response.

Business Rules: If PSAP contact time is not reported, this field must be submitted or be filled with the same time as Dispatched.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM, and SS. Midnight is coded as 000000, and begins the new day.

22.

Name of Data Element:	Dispatched (Time Unit Notified)
Priority:	Mandatory
Definition:	Time response unit is notified by EMS dispatch
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	130 - 135

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Permits measurement of the actual responder response or delays. Assists planning of communication resources for individual responders, and allows identification of system delays following the dispatch component of the EMS system.

Business Rules: *All records submitted must have a Dispatched time entered.* Records with missing or an invalid entry will be rejected and marked as non-compliant by the system.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM, and SS. Midnight is coded as 000000, and begins the new day.

23.

Name of Data Element:	Responding (Time Unit Responding)
Priority:	Essential
Definition:	Time that the response unit begins physical motion.
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	136 - 141

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Permits measurement of delay between notification of EMS responder and the actual mobilization of the response unit. This data element refers to physical motion of the responding EMS vehicle, and does not refer to individual EMTs who may respond directly to the scene when notified by individual radio or telephone. For example, if an EMS incident is reported, one EMT may be at home or at work and be responsible to go to the station, which holds the ambulance. Another EMT may be notified and may drive in a private vehicle directly to the scene. The data element entered should be the time that the ambulance actually leaves the station, not the time at which the other EMT drives to the scene in the private vehicle.

Business Rules: *Records submitted with any Incident Disposition code except 'Cancelled' must have a Responding time entered.* Records with a missing or an invalid entry will be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM, and SS. Midnight is coded as 000000, and begins the new day.

24.

Name of Data Element:	Arrive Scene (Time arrival at scene)
Priority:	Essential
Definition:	Time EMS unit stops physical motion at scene (last place that the unit or vehicle stops prior to assessing the patient).
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	142 - 147

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Permits measurement of the time required for the response vehicle to go from the station to the scene. This data element refers to the physical motion of the responding EMS vehicle. If an individual EMT arrives at the scene by private vehicle that is NOT the value to be entered in this field. Otherwise, system delays in having an equipped vehicle at the scene will fail to be identified.

Business Rules: *Records submitted with an Incident Disposition code of 'Treated, Transported...', 'Care Transferred', 'Patient Refused', 'Treated, transported...vehicle', 'Treated and...', 'DOA', 'must have an Arrive Scene time entered. Required records with a missing or an invalid entry will be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM, and SS. Midnight is coded as 000000, and begins the new day.

25.

Name of Data Element:	Arrive Patient (Time of arrival at patient)
Priority:	Desirable
Definition:	Time response personnel establish direct contact with patient.
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	148 - 153

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Desirable in certain situations in which there may be a significant delay between the time at which a response unit arrives at the scene and the time at which the personnel can access the patient. For example, if the EMTs are prevented because of fire or adverse conditions from approaching the patient, this time will be useful. Search and rescue operations will also note delays between arrival at the overall scene and the actual patient contact.

Business Rules: If Patient Contact time is not reported, this field must be submitted with the appropriate number of spaces or be filled with the same time as Arrive Scene (data element #24).

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM, and SS. Midnight is coded as 000000, and begins the new day.

26.

Name of Data Element:	Depart Scene (Time Unit Left Scene)
Priority:	Essential
Definition:	Time when the response unit begins physical motion from scene.
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	154 - 159

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Permits calculation of scene time by subtracting the time of arrival at scene from the time unit left scene.

Business Rules: *Records submitted with an Incident Disposition code of 'Treated, Transported...' must have a Depart Scene time entered.* Required records with a missing or an invalid entry will be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM, and SS. Midnight is coded as 000000, and begins the new day.

27.

Name of Data Element:	Arrive Destination (Time Arrival at Facility/Destination)
Priority:	Essential
Definition:	Time when patient arrives at destination or transfer point.
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	160 - 165

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Permits calculation of the time required to go from the scene to the destination of the response unit. If the patient is transferred from one EMS responder vehicle to another, then the time of arrival at destination for the first responder is the time of arrival or patient contact (or both) for the second agency.

Business Rules: *Records submitted with an Incident Disposition code of 'Treated, Transported...' must have an Arrive Destination time entered.* Required records with a missing or an invalid entry will be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM and SS. Midnight is coded as 000000, and begins the new day.

28.

Name of Data Element:	Available (Time back in service)
Priority:	Mandatory
Definition:	Time response unit back in service and available for response.
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	166 - 171

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Allows planning of EMS resources. Permits assessment of the delay between arrival at destination and availability of the response unit.

Business Rules: *All records submitted must have an Available time entered.* Records with missing or an invalid entry will be rejected and marked as non-compliant by the system.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM and SS. Midnight is coded as 000000, and begins the new day.

29.

Name of Data Element:	Patient's First Name
Priority:	Desirable
Definition:	Patient's First Name.
Code:	Alpha/numeric entry
Field Length:	15
Field Starting and Ending Position:	172 - 186

Content: The appropriate number of spaces is used when there is no patient, such as when the responding team cannot find the patient, or when the responding team is on standby.

Discussion and Justification: Desirable because of its value in probabilistic linkage, both as a linking variable as well as a confirmatory variable to determine appropriate linkage. It is recognized that this data element requires careful protection from misuse, but it is more appropriate to regulate appropriate use of this field rather than to prevent its collection.

Business Rules: If Patient's First Name is not reported, this field must be submitted with the appropriate number of spaces.

Technical Comments: If middle initial is collected then submit with one space between the first name and initial. Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

30.

Name of Data Element:	Patient's Last Name
Priority:	Desirable
Definition:	Patient's Last Name.
Code:	Alpha/numeric entry
Field Length:	15
Field Starting and Ending Position:	187 - 201

Content: The appropriate number of spaces is used when there is no patient, such as when the responding team cannot find the patient, or when the responding team is on standby.

Discussion and Justification: Essential because of its value in probabilistic linkage, both as a linking variable as well as a confirmatory variable to determine appropriate linkage. It is recognized that this data element requires careful protection from misuse, but it is more appropriate to regulate appropriate use of this field rather than to prevent its collection.

Business Rules: If Patient's Last Name is not reported, this field must be submitted with the appropriate number of spaces.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

31.

Name of Data Element:	Patient Street Address
Priority:	Desirable
Definition:	Patient's street address.
Code:	Alpha/numeric entry
Field Length:	30
Field Starting and Ending Position:	202 - 231

Content: The appropriate number of spaces is used when there is no patient, such as when the responding team cannot find the patient, or when the responding team is on standby.

Discussion and Justification: Essential because of its value in probabilistic linkage, both as a linking variable as well as a confirmatory variable to determine appropriate linkage. It is recognized that this data element requires careful protection from misuse, but it is more appropriate to regulate appropriate use of this field rather than to prevent its collection.

Business Rules: If Patient's Street Address is not reported, this field must be submitted with the appropriate number of spaces.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

32.

Name of Data Element:	City of Residence
Priority:	Desirable
Definition:	Patient' residence postal city (if applicable)
Code:	Alpha/numeric entry
Field Length:	30
Field Starting and Ending Position:	232 - 261

Content: The appropriate number of spaces is used when there is no patient, such as when the responding team cannot find the patient, or when the responding team is on standby.

Discussion and Justification: Essential because of its value in probabilistic linkage, both as a linking variable as well as a confirmatory variable to determine appropriate linkage. It is recognized that this data element requires careful protection from misuse, but it is more appropriate to regulate appropriate use of this field rather than to prevent its collection.

Business Rules: If Patient's City of Residence is not reported, this field must be submitted with the appropriate number of spaces.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

33.

Name of Data Element:	State of Residence
Priority:	Desirable
Definition:	State of patient's residence (if applicable)
Code:	Alphabetical entry
Field Length:	2
Field Starting and Ending Position:	262 - 263
Data Items:	U.S. Post Office State Abbreviation

Content: Code as two (2) -character fields using the U.S. Postal Service state abbreviation.

Discussion and Justification: Useful for determining the political entity responsible for potential public health interventions, payment for services, etc.

Business Rules: If Patient's State of Residence is not reported, this field must be submitted with the appropriate number of spaces.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

34.

Name of Data Element:	Zip Code of Residence
Priority:	Essential
Definition:	Zip Code of patient's residence
Code:	Numeric entry
Field Length:	5
Field Starting and Ending Position:	264 – 268
Data Items:	
U.S. Postal Service Zip Code listing. 99999 Unknown	

Content: Code as five (5) digit field using the approved U.S. Postal Service Zip Code listing.

Discussion and Justification: Useful for determining the political entity responsible for potential public health interventions, payment for services, etc. From Zip Code, county could be derived in software.

Business Rules: If Patient's Zip Code is not reported, this field must be submitted with the appropriate number of spaces.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

99999 Unknown

This code should only be used if submitting data elements #29-33 and the patient's zip code is unknown. Do not send this code if no patient encountered or not submitting above listed data elements. In such cases submit the appropriate number of spaces.

35.

Name of Data Element:	Social Security Number
Priority:	Desirable
Definition:	Patient Social Security number
Code:	Numeric entry.
Field Length:	9
Field Starting and Ending Position:	269 - 277
Data Items:	
{9 digit SSN}	
888888888 Not Applicable	
999999999 Unknown	

Content: Code as 9-digit field.

Discussion and Justification: Will provide valuable linkage data element. However, this field is very difficult for field responders to obtain.

Business Rules: If Patient's Social Security Number is not reported, this field must be submitted with the appropriate number of spaces.

Technical Comments: May be particularly valuable in jurisdictions where driver licenses or other forms of identification have bar coded Social Security numbers. Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

999999999 *Unknown*

This code should only be used is submitting data elements #29-34 and the patient's social security number is unknown. Do not send this code if no patient encountered or not submitting above listed data elements. In such cases submit the appropriate number of spaces.

36.

Name of Data Element:	Date of Birth
Priority:	Essential
Definition:	Patient's date of birth.
Code:	Date format should be coded as MMDDYYYY
Field Length:	8
Field Starting and Ending Position:	278 - 285

Content: Format permits sorting across multiple years, and is recommended for data export purposes. Century digits are mandatory.

Discussion and Justification: Extremely valuable for probabilistic linkage and calculation of accurate age information. Provides much more discriminatory power in probabilistic linkage than the numeric age.

Business Rules: If Patient's DOB is not reported, this field must be submitted with the appropriate number of spaces.

Technical Comments: Format MMDDYYYY is recommended as part of FIPS standard. For month and day, use leading zeros if necessary to pad the fields to 2 characters each. Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

37.

Name of Data Element:	Age
Priority:	Essential
Definition:	Patient's age or best approximation
Code:	Alpha/numeric entry.
Field Length:	4
Field Starting and Ending Position:	286 - 289
<p>Data Items:</p> <p>{3 digits for age in years}</p> <p>999 Unknown</p> <p>PLUS one of the following identifiers:</p> <p>Y = Years</p> <p>M = Months</p> <p>D = Days</p>	

Content: Use leading zeros if necessary to pad the field to 4 positions. For patients over **1** year, specify **Y** (e.g. 6years = 006Y). For patients less than 1 year, specify **M** (e.g. 6 months = 006M). For patients less than 1 month, specify **D** (e.g. 6 days = 006D). For patients less than 1 day (24 hours), specify 001D. When the age is unknown, specify 999U.

Technical Comments: Age information permits linkage to other files and is useful for epidemiologists interested in patterns of emergency medical problem in different age groups.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported...", "Care Transferred", "Treated, transported...", "Treated and ...", "Patient refused care..." must have a Patient's Age entered.* Records with missing or an invalid entry will be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Discussion and Justification: Valuable in the absence of a date of birth. Age information permits linkage to other files, and is useful for epidemiologists interested in patterns of emergency medical problems in different age groups.

38.

Name of Data Element:	Gender
Priority:	Essential
Definition:	Gender of patient.
Code:	Numeric entry.
Field Length:	2
Field Starting and Ending Position:	290 - 291
Data Items:	
01	Male
02	Female
99	Unknown

Discussion and Justification: Valuable for linkage to other files, and permits reporting of epidemiological information by gender.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." , 'Care Transferred', 'Treated, transported... vehicle', 'Treated and ...', 'Patient refused care...' must have a Patient's Gender entered.* Records with missing or an invalid entry will be rejected and marked as non-compliant by the system. **Only one (1)** item from the above data item list can be submitted. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments:

99 *Unknown*

This code should be used only when the sex of the patient cannot be accurately determined after patient contact. If no patient was encountered then the appropriate number of spaces should be submitted.

39.

Name of Data Element:	Race / Ethnicity		
Priority:	Desirable		
Definition:	Patient's ethnic origin.		
Code:	Numeric entry.		
Field Length:	2		
Field Starting and Ending Position:	292 - 293		
Data Items:			
01	Caucasian	06	Asian
02	Black or African American	07	Hispanic or Latino – White
03	American Indian	08	Hispanic or Latino – Black
04	Alaska Native	77	Other Race
05	Pacific Islander	99	Unknown

Discussion and Justification: Useful for epidemiological studies, and of importance to data systems in order to access certain types of Federal or state funds which are directed to specific ethnic groups.

Business Rules: Only one (1) Race / Ethnicity from the above data item list can be submitted. If the data element is not reported or no patient contact was made then this field must be submitted with the appropriate number of spaces.

Technical Comments:

77 Other

This code should be used when race can be determined but is not one of the races specified in the list.

99 Unknown

This code should be used when patient's race cannot be accurately determined due to decomposition, burns, etc. It is not to be used if no patient contact was made.

40.

Name of Data Element:	Vehicle Type
Priority:	Mandatory
Definition:	Type of vehicle, which responded to incident.
Code:	Numeric entry.
Field Length:	2
Field Starting and Ending Position:	294 - 295
Data Items:	
01	Ground
02	Rotor craft
03	Fixed wing
04	Agency Vehicle
77	Other

Discussion and Justification: Allows EMS managers and planners to break out EMS responses by the major categories of responding vehicles. While there are clearly numerous other possible vehicles, such as watercraft, skis, sleds, etc., the categories provided here are the major vehicle types, which will be of interest at regional and state levels.

For individual data systems in which there is more specific interest in other vehicles, additional categories may certainly be added. For purposes of exporting data to the IOWA EMS PATIENT REGISTRY dataset, these additional categories should be collapsed into the category *Other*.

Business Rules: *All records submitted **must** have a Vehicle Type entered.* Records with missing or an invalid Vehicle Type will be rejected and marked as non-compliant by the system.

41.

Name of Data Element:	Response Mode (Lights or Sirens to Scene)
Priority:	Essential
Definition:	The use of lights or sirens enroute to scene.
Code:	Numeric entry.
Field Length:	2
Field Starting and Ending Position	296 - 297
Data Items:	
01	No lights or sirens
02	Used lights or sirens

Discussion and Justification: To allow system administrators to know the frequency with which responder vehicles are using lights and sirens. Such usage carries explicit risks and EMS managers are responsible to assure that lights and sirens are used appropriately.

Business Rules: *Records submitted or requiring a Responding Time (data element #23) must have a Lights and Sirens to Scene code entered.* Required records with a missing or an invalid entry will be marked as non-compliant by the system. **Only one (1)** item from the above data item list can be submitted. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

42.

Name of Data Element:	Transport Mode (Lights or sirens used from scene)
Priority:	Essential
Definition:	Use of lights and/or sirens from the scene.
Code:	Numeric entry.
Field Length:	2
Field Starting and Ending Position:	298 - 299
Data Items:	
01	No lights or sirens
02	Used lights or sirens

Discussion and Justification: Allows system administrators to know the frequency with which responder vehicles are using lights and sirens. Such usage carries explicit risks and EMS managers are responsible to assure that lights and sirens are used appropriately.

Business Rules: *Records submitted or requiring an Arrive Destination (data element #27) must have a Lights and Sirens from the Scene code entered.* Required records with a missing or an invalid entry will be marked as non-compliant by the system. **Only one (1)** item from the above data item list can be submitted. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

43.

Name of Data Element:	Mechanism of Injury		
Priority:	Essential		
Definition:	External cause of injury.		
Code:	Numeric entry.		
Field Length:	10		
Field Starting and Ending Position:	300 - 309		
Data Items:			
01	Aircraft related accident	18	Machinery accident
02	Alcohol poisoning	19	Mechanical suffocation
03	Assault	20	MCC – Motorcycle Collision
04	Bicycle accident	21	MVC – Motor Vehicle Collision
05	Bite	22	Off Road Vehicle Collision
06	Burns/thermal/chemical	23	Pedestrian traffic accident
07	Chemical poisoning	24	Radiation exposure
08	Drowning	25	Railway related accident
09	Drug poisoning	26	Self Inflicted
10	Electrocution	27	Smoke inhalation
11	Excessive cold	28	Sports injury
12	Excessive heat	29	Stabbing / Cutting
13	Falls	30	Suicide
14	Falls > 20 Feet	31	Venomous stings (plants, animals)
15	Firearm injury	32	Water transport accidents
16	Hanging	88	Not applicable
17	Lightning		

Discussion and Justification: It is necessary to have a broad taxonomy for defining the external causes of injury, and this data element is coded according to the E codes in ICD-9. However, it is recognized that the entire E code list is too cumbersome for field use, and the element may be collapsed into the categories, which have been listed above. When possible, the E code should be defined in as much detail as is present in the E code definitions. Such codes will always be collapsible to the categories defined here, but the added detail will provide additional value to injury prevention researchers. It has been traditional to attempt to assign a single E code to individual incidents. Multiple entries, however, aids in gathering better detail about injuries, and to eliminate confusion when the EMS provider must choose between two reasonable E codes.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...” or ‘Care Transferred’ AND have an Incident Type marked as “Trauma” must have a Mechanism of Injury entered.* Records with missing or an invalid entry will be rejected and marked as non-compliant by the system. Other Incident Dispositions that involve patient contact may also submit this data element. **Up to five (5)** items from the above data item list can be submitted. Left justify with submission(s) and back fill with appropriate spaces to meet field length. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: This data element is based on E codes, but the coding structure is intended to be more flexible. Additional categories for not applicable and unknown have been added, so that this data element can always be filled in on the database. The item list is shown below, and the actual code number is indicated. When the code number includes lowercase x's, this means that the item list includes all E codes which have the initial part of the code. For example, motor vehicle traffic accident is coded as E81x.x, and would include any E code from E810.0 through E819.9.

01 *Aircraft related accident (E code E84x.x)*

Includes spacecraft.

02 *Alcohol Poisoning (E Code E860.x)*

Includes accidental poisoning by alcoholic beverages.

03 *Assault (E Code E967.x)*

Includes all forms of non-accidental injury or suspected intentional injury caused by others.

04 *Bicycle accident (E Code E826.x)*

Includes any pedal cycle accident. Pedal cycle is defined to include bicycles, tricycles, and excludes any motorized cycles.

05 *Bites (E Code E906.x)*

Includes all animal bites, including those from non-venomous snakes and lizards and those bites from animals of unknown venomous nature.

06 *Burns/thermal/chemical (E Code E89x.x)*

Includes burning by fire, asphyxia or poisoning from conflagration (fire, wildfire) or ignition, and fires secondary to explosions.

07 *Chemical poisoning (E Code E86x.x)*

Includes accidental poisoning by solid or liquid substances, gases, and vapors, which are not included under accidental drug poisoning.

08 *Drowning (E Code E910.x)*

Accidental drowning not related to watercraft use. Includes swimming accidents, bathtubs, etc.

09 *Drug poisoning (E Code E85x.x)*

Includes accidental poisoning by drugs, medicinal substances, or biological products. Extensive codes are available if an agency wishes to collect specific information.

10 *Electrocution (non-lightning) (E Code E925.x)*

Includes accidents related to electric current from exposed wire, faulty appliance, high voltage cable, live rail, or open electric socket. Excludes lightning, which is coded as 14 Lightning.

11 *Excessive cold (E Code E901.x)*

Includes cold injury due to weather exposure, or cold produced by man, such as in a freezer.

12 *Excessive heat (E code E900.x)*

Includes thermal injuries related to weather or heat produced by man, such as in a boiler room or factory. Excludes heat injury from conflagration.

13 *Falls (E Code E88x.x)*

Excludes falls, which occur in the context of other external causes of injury, such as fires, falling off boats, or falling in accidents involving machinery.

14 *Fall > 20 feet*

Same as Item 12 (Falls), but from a height greater than 20 feet.

15 *Firearm injury (E Code E985.x)*

These codes refer to firearm injuries involving handguns, shotguns, hunting rifles, etc.

16 *Hanging*

Includes all injuries that are associated with hanging.

17 *Lightning (E Code E907.x)*

Excludes falling of an object secondary to lightning, and also excludes injuries from fire secondary to lightning.

18 *Machinery accidents (E Code E919.x)*

Includes all machinery accidents except when machinery is not in operation. Excludes electrocution.

19 *Mechanical suffocation (E Code E913.x)*

Includes suffocation in bed or cradle (crib death), closed space suffocation, plastic bag asphyxia, etc.

20 *MCC – Motorcycle Collision*

This includes any motorcycle collision occurring on a public roadway or highway.

21 *MVC – Motor Vehicle Collision*

This includes any motor vehicle collision occurring on a public roadway or highway.

22 *Off Road Vehicle Collision*

This includes any vehicle collision occurring entirely off public roadways or highways. For instance, a collision involving an all terrain vehicle (ATV) in an off-road location would be a non-traffic crash.

23 *Pedestrian traffic crash (E Code E814.x)*

Motor vehicle crashes in which the patient was a pedestrian struck by a motor vehicle of any type. Includes individuals on skates, in baby carriages, in wheelchairs, on skateboards, etc.

25 *Radiation exposure (E Code E926.x)*

Excludes complications of radiation therapy.

26 *Railway related accidents*

Includes any accidents that are related to the railway.

27 *Self Inflicted*

Includes any injuries that are self-inflicted.

28 *Smoke inhalation (E Code E89x.2)*

Includes smoke and fume inhalation from conflagration.

29 *Sports injury (E Code E917.x)*

Includes all sports related injuries caused by team member or sports equipment.

30 *Stabbing / Cutting (E Code E966.x)*

Includes cuts, punctures, or stabs of any part of the body.

31 *Suicide*

Includes any incidents involving a suicide.

32 *Venomous stings (plants, animals) (E Code E905.x)*

Includes only those bites and stings from snakes, lizards, spiders, scorpion, insects, marine life, or plants known to be venomous.

33 *Water transport accident (E Code E83x.x)*

Includes all accidents related to watercraft. Excludes drowning and submersion accidents unless they are related to watercraft use. Thus, if a person falls out of a boat and drowns, it should be coded within this category. If a person drowns in a swimming pool or bathtub, it should be coded as 07 Drowning.

88 *Not Applicable*

This code should be used where an external injury code does not apply, such as when a patient suffers from chest pain or fever. In nearly all instances where an injury has occurred, this data element should be filled in with a valid code, other than the Not Applicable designation.

44.

Name of Data Element:	Pertinent Pre-Existing Conditions		
Priority:	Essential		
Definition:	Pre-existing medical conditions known to the provider.		
Code:	Numeric entry		
Field Length:	10		
Field Starting and Ending Position:	310 - 319		
Data Items:			
01	Asthma	09	Seizure disorder
02	Cancer	10	Chronic respiratory failure
03	Diabetes	11	Transient Cerebral Ischemia
04	Dementia	12	Heart Disease
05	Hypertension	13	Chronic renal failure
06	CVA/Stroke	77	Other
07	Psychiatric problems	88	None stated
08	COPD	99	Not Obtainable

Discussion and Justification: Pertinent pre-existing conditions may affect the protocols followed by EMS responders. The data element is intended to capture information as understood by EMS providers at the scene, not as defined later in the medical record of the hospital. Thus, if the EMS responder finds out that a patient has several pre-existing conditions after he or she arrives at the hospital, those conditions should not be coded in this data element. It is clear that the list provided here may not include other important conditions. Other conditions should be added as desired, but it is hoped that the above conditions will be included in all data sets. Up to 5 Pre-existing Conditions can be selected.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...”, “Care Transferred”, “Treat, transported...vehicle”, “Treated and ...”, “Patient refused...” must have a Pre-Existing Condition entered.* Records with a missing or an invalid entry will be marked as non-compliant by the system. **Up to five (5)** items from the above data item list can be submitted. Left justify with submission(s) and back fill with appropriate spaces to meet field length. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments:

88 *None stated*

This is to be coded if a conscious patient or family member when asked responded in a manner interpreted to mean that the patient had no pre-existing conditions. This is not to be coded if no patient contact was made.

99 *Not Obtainable*

This is to be coded if the patient was not asked or the patient was unable to respond to the question. This is not to be coded if no patient contact was made.

45.

Name of Data Element:	Signs and Symptoms Present																																
Priority:	Essential																																
Definition:	Signs and symptoms reported to or observed by provider.																																
Code:	Numeric entry.																																
Field Length:	10																																
Field Starting and Ending Position:	320 - 329																																
<p>Data Items:</p> <table> <tr> <td>01 Abdominal pain</td> <td>17 Hypothermia</td> </tr> <tr> <td>02 Back pain</td> <td>18 Nausea / Vomiting</td> </tr> <tr> <td>03 Bloody stools</td> <td>19 Neck pain</td> </tr> <tr> <td>04 Breathing difficulty</td> <td>20 Pain – Non specific</td> </tr> <tr> <td>05 Cardioresp. Arrest</td> <td>21 Paralysis</td> </tr> <tr> <td>06 Chest pain / Discomfort</td> <td>22 Palpitations</td> </tr> <tr> <td>07 Choking</td> <td>23 Petechaie, non-traumatic ecchymosis</td> </tr> <tr> <td>08 Coma</td> <td>24 Pregnancy/childbirth/miscarriage</td> </tr> <tr> <td>09 Cough, pneumonia, URI</td> <td>25 Seizures/convulsions</td> </tr> <tr> <td>10 Diarrhea</td> <td>26 Sepsis</td> </tr> <tr> <td>11 Dizziness</td> <td>27 Skin rash / Blister with unknown origin</td> </tr> <tr> <td>12 Ear pain</td> <td>28 Syncope</td> </tr> <tr> <td>13 Eye pain</td> <td>29 Unresponsive/unconscious</td> </tr> <tr> <td>14 Fever/Hyperthermia</td> <td>30 Vaginal bleeding</td> </tr> <tr> <td>15 Headache</td> <td>31 Weakness (malaise)</td> </tr> <tr> <td>16 Hypertension</td> <td>77 Other</td> </tr> </table>		01 Abdominal pain	17 Hypothermia	02 Back pain	18 Nausea / Vomiting	03 Bloody stools	19 Neck pain	04 Breathing difficulty	20 Pain – Non specific	05 Cardioresp. Arrest	21 Paralysis	06 Chest pain / Discomfort	22 Palpitations	07 Choking	23 Petechaie, non-traumatic ecchymosis	08 Coma	24 Pregnancy/childbirth/miscarriage	09 Cough, pneumonia, URI	25 Seizures/convulsions	10 Diarrhea	26 Sepsis	11 Dizziness	27 Skin rash / Blister with unknown origin	12 Ear pain	28 Syncope	13 Eye pain	29 Unresponsive/unconscious	14 Fever/Hyperthermia	30 Vaginal bleeding	15 Headache	31 Weakness (malaise)	16 Hypertension	77 Other
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Discussion and Justification: This data element is intended to capture the information provided to or obtained by the EMS responder in order to assess the patient. It is intended that these signs and symptoms be correlated with the clinical impression of the responder. This would help EMS managers plan educational programs for the responders.

Business Rules: *Records submitted with an Incident Disposition of ‘Treated, transported...’, ‘Care Transferred’, ‘Treat, transported...vehicle’, ‘Treated and ...’, ‘Patient refused...’ must have a Sign and Symptom Present entered.* Records with a missing or an invalid entry will be marked as non-compliant by the system. **Up to five (5)** items from the above data item list can be submitted. Left justify with submission(s) and back fill with appropriate spaces to meet field length. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments:

77 Other

This is to be coded in situations where there are signs and symptoms but they are not on the list.

46.

Name of Data Element:	Provider Impression
Priority:	Essential
Definition:	Provider's clinical impression, which led to the management given to the patient (treatments, medications, procedures).
Code:	Numeric entry.
Field Length:	2
Field Starting and Ending Position:	330 - 331
Data Items:	
01 Abdominal pain w/ other symptoms	26 Pain, acute and severe
02 Abnormal Cardiac Rhythm	27 Back pain - non-traumatic suspect
03 Abnormal skin signs	28 Poisons ingested, injected
04 Allergic Reaction - Life Threatening	29 Alcohol Intoxication, drug overdose
05 Animal bites/sting	30 Post Op procedure complications
06 Animal bites/sting/envenomation	31 Pregnancy – complications/birth
07 Sexual assault w/ injuries	32 Psychiatric/Behavioral - abnormal
08 Blood Glucose - abnormal	33 Unconscious, fainting, syncope
09 Respiratory Arrest	34 Near syncope, weakness or dizziness
10 Difficulty breathing	35 Medical/legal
11 Cardiac arrest - resuscitation	36 Major Trauma
12 Chest pain (non-traumatic)	37 Other Trauma - Monitor/Maintain Airway
13 Choking episode	38 Other Trauma - Major Bleeding
14 Cold exposure - life or limb threatening	39 Burns
15 Altered level of consciousness	40 Lightning
16 Convulsions/seizures	41 Electrocutation
17 Eye symptoms (non-traumatic)	42 Near Drowning
18 Non-traumatic headache - w/ neuro	43 Eye injuries
19 Cardiac Symptoms - Not chest pain	44 Bed Confined
20 Heat exposure - life threatening	45 ALS, monitoring required
21 Hemorrhage - Severe	46 Specialty care monitoring
22 Hemorrhage - Life Threatening	47 Medical conditions
23 Infectious diseases – Isolation/Health risk	48 Service not available at originating

24 Medical Device Failure

77 Other - Not listed

25 Neurologic Distress

Discussion and Justification: This data element contains the single clinical assessment, which primarily drove the actions of the EMS responder. It should be possible to determine whether the treatments or medications provided match protocols, which relate to the clinical impression. When more than one choice is applicable to a patient, the responder should indicate the single most important clinical assessment that drove most of the plan of therapy and management.

It should be noted that this coding system differs from current systems. For instance, many EMS data sets include the entity, Animal Bite. In the uniform data set, such an entry should be coded in this field as a Traumatic Injury. The site of injury should be indicated in the injury field described later in this dictionary, showing the type (laceration or puncture) and site of the bite itself. In addition, the Cause of Injury should be coded as E906.x as discussed under the data element, Cause of Injury. For another example, Sexual Assault is coded in this data element in the same manner as a Traumatic Injury, but the Cause of Injury would be coded as E960.1, and Injury Intent would be coded as intentional. The reason for using this approach is to avoid overlapping, duplicative codes, which are not attached to a general taxonomy such as ICD9. Such codes would become agency specific and would not be flexible enough to permit combining data from different agencies. This list is comprised of the Federal Register Condition Codes.

Business Rules: *Records submitted with an Incident Disposition of ‘Treated, transported...’, ‘Care Transferred’, ‘Treat, transported... vehicle’, ‘Treated and ...’, ‘Patient refused...’ must have a Provider Impression entered.* Records with a missing or an invalid entry will be marked as non-compliant by the system. **Only one (1)** item from the above data item list can be submitted. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: The field width should always be 2 digits in length. Therefore, data items should be zero padded on the left to assure interpretability. The list provided here is not all-inclusive, but the definitions are described in more detail below.

77 Other

This code should be used when none of the codes listed can be applied; however, there is enough information for a clinical impression to be made by the EMS provider.

47.

Name of Data Element:	Scene Factors Affecting EMS Delivery of Care		
Priority:	Mandatory		
Definition:	Special circumstances affecting the EMS response or delivery of care.		
Code:	Numeric entry.		
Field Length:	6		
Field Starting and Ending Position:	332 - 337		
Data Items:			
01	Adverse weather	07	Language barrier
02	Adverse road conditions	08	Prolonged extrication (>20 min)
03	Vehicle problems	09	Hazardous material
04	Unsafe scene	10	Crowd Control
05	Uncooperative patient	88	Not applicable
06	Biological Hazards		

Discussion and Justification: For systems planners who are evaluating response times, this data element provides explanations for delays encountered in the system. For instance, the time to scene would be expected to be prolonged if there was a blizzard, or if gunfire prevented EMS responders from patient access. If there were no problem with EMS delivery, this data element would be coded as not applicable.

Business Rules: *All Records submitted must have a Scene Factor Affecting EMS Delivery of Care entered.* Records with missing or an invalid entry will be marked as non-compliant by the system. **Up to three (3)** items from the above data item list can be submitted. Left justify with submission(s) and back fill with appropriate spaces to meet field length.

Technical Comments: Unsafe scene includes presence of gunfire, instances in which police prevented access because of safety concerns, etc. A vehicle problem includes problems with the EMS responder vehicle itself, not with other vehicles that might have obstructed traffic. Extrication has been moved into this data element because extrication is not a patient treatment and relates less to the medical care of the patient than to the environment in which EMS responders must work.

88 *Not Applicable*

This is to be coded when there were no factors affecting the delivery of EMS for the incident. This may also be used if no patient contact was made.

48.

Name of Data Element:	Injury Description
Priority:	Essential
Definition:	Clinical description of injury type and body site.
Code:	Alphabetic and numeric entry.
Field Length:	6
Field Starting and Ending Position:	338 - 343
Data Items:	
<u>Body Sites</u>	<u>Injury Types</u>
A Head only (<i>excluding neck, cervical spine and ear</i>)	1. Soft Tissue - Closed
B Face (<i>including ear</i>)	2 Blunt injury
C Neck	3 Soft Tissue - Open
D Thorax (<i>excluding thoracic spine</i>)	4 Dislocation/fracture
E Abdomen (<i>excluding lumbar spine</i>)	5 Puncture/stab
F Spine	6 Gunshot
G Upper extremities	7 Amputation
H Lower extremities	8 Crush
I Body region unspecified	9 Burn
J Pelvic	
88 None Reported	

Content: Intended to permit the detailed listing of all injuries sustained by a patient, coded according to injury type and body site of the injury. Multiple entries will be possible. Each injury should be designated by body site and injury type. The most severe 3 injuries should be recorded.

The body sites included, as Data Items are consistent with body areas used to calculate the Injury Severity Score (ISS). This list is slightly expanded from the usual ISS, but is easily collapsed if necessary.

Business Rules: *Records submitted with an Incident Disposition of 'Treated, transported...' or 'Care Transferred' AND ONLY have an Incident Type marked as 'Trauma' or 'Fire' must have an Injury Description entered.* Records with missing or an invalid entry will be marked as non-compliant by the system. Other Incident Dispositions that involve patient contact may also submit this data element. **Up to three (3)** items from the above data item list can be submitted. Left justify with submission(s) and back fill with appropriate spaces to meet field length. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Discussion and Justification: This is a crucial data element, which will enable EMS planners to know what types of injuries are incurred by patients using the EMS system. The data element will also be of value in assessing the correspondence between injury assessment in the field and actual injuries as evaluated in medical facilities. A major reason for using ISS related body sites is the ability to compare the hospital inpatient ISS areas with those indicated by the prehospital provider.

It is understood that various levels of providers will be permitted to make injury assessments at different levels of sophistication. For example, the diagnosis of fracture is considered out of scope for many prehospital responders. In this case, a term might be added for swelling, or some other marker by which an EMS responder is supposed to suspect a fracture or dislocation. It is stressed that this data element is supposed to reflect the clinical impression of injury by the EMS responder, not necessarily the final, correct medical diagnosis.

Technical Comments:

88 *None Reported*

This is to be coded if there are no injuries noted or reported by the patient.

49.

Name of Data Element:	Safety Devices		
Priority:	Essential		
Definition:	Safety equipment in use by patient at time of injury.		
Code:	Numeric entry.		
Field Length:	10		
Field Starting and Ending Position:	344 - 353		
Data Items:			
01	None used	08	Harness
02	Lap belt only	09	Helmet
03	Shoulder belt only	10	Eye protection
04	Shoulder and lap belt	11	Protective clothing
05	Child safety seat	12	Respiratory protection
06	Airbag deployed	13	Personal flotation device
07	Airbag – Not deployed	88	Not applicable

Discussion and Justification: Provides important information about safety device use in motor vehicle accidents, boating accidents, and industrial accidents with eye injuries. Data will be of use for corroboration of police reports concerning crashes.

Business Rules: *Records submitted with an Incident Disposition of 'Treated, transported...' or 'Care Transferred' AND ONLY have an Incident Type marked as 'Trauma' or 'Fire' must have a Safety Device entered.* Records with missing or an invalid entry will be marked as non-compliant by the system. Other Incident Dispositions that involve patient contact may also submit this data element as appropriate. **Up to five (5)** items from the above data item list can be submitted. Left justify with submission(s) and back fill with appropriate spaces to meet field length. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: If the EMS responder knows that no safety device was employed, then the data element should be coded as none. If none of the indicated devices was used, the element should also be coded as none.

88 *Not Applicable*

This is to be coded when no safety devices were indicated based on the nature of the call. This is not to be used if no patient contact was made.

50.

Name of Data Element:	Motor Vehicle Impact		
Priority:	Essential		
Definition:	Motor Vehicle Impact site during collision.		
Code:	Numeric entry.		
Field Length:	6		
Field Starting and Ending Position:	354 - 359		
Data Items:			
01	Head-on	06	Rollover
02	Lateral	07	Rotation
03	Ejection	77	Not listed
04	Rear	88	Not applicable
05	Intrusion		

Content: This data element is coded as a two (2)-position field that provides information about the site of collision during a Motor Vehicle Impact, which can be used to predict injury patterns. Data will be used for corroboration of police reports concerning crashes. Up to three (3) Motor Vehicle Impact sites can be selected.

Business Rules: *Records submitted with an Incident Disposition of 'Treated, transported...' or 'Care Transferred' AND ONLY have an Incident Type marked as 'Trauma' and a 'Mechanism of Injury' involving a motor vehicle must have a Motor Vehicle Impact entered.* Records with missing or an invalid entry will be marked as non-compliant by the system. Other appropriate incidents that involve patient contact may also submit this data element as appropriate. **Up to three (3)** items from the above data item list can be submitted. Left justify with submission(s) and back fill with appropriate spaces to meet field length. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments:

77 *Not Listed*

This code should be used when the data element "Mechanism of Injury" is related to a Motor Vehicle but the Motor Vehicle Impact site not listed.

88 *Not Applicable*

This code should be used when the data element "Mechanism of Injury" is related to a Motor Vehicle but no impact was found. This is not to be used if the field is not appropriate for the incident.

51.

Name of Data Element:	Witnessed Cardiac Arrest
Priority:	Essential
Definition:	If the cardiac arrest was witnessed by anyone.
Code:	Numeric entry.
Field Length:	2
Field Starting and Ending Position:	360 - 361
Data Items:	
01	Yes
02	No
03	Unknown
88	Not Applicable

Content: This data element is coded as a 2-position field that provides information concerning the incidence of witnessed cardiac arrests.

Business Rules: *Records submitted that require and have a Time of Cardiac Arrest marked and a Procedure OR Treatment of 'CPR' OR Time of First CPR marked **must** have Witnessed Cardiac Arrest entered.* Records with a missing or an invalid entry will be marked as non-compliant by the system. **Only one (1)** item from the above data item list can be submitted. If the incident is appropriate to not report this data element, then this field must be submitted with the Non applicable code.

Technical Comments:

77 *Unknown*

Unknown should only be used if the incident involved a cardiac arrest and the provider is unaware of the correct answer.

88 *Not Applicable*

This is to be used if the field is not appropriate for the incident.

52.

Name of Data Element:	Time of Cardiac Arrest
Priority:	Desirable
Definition:	Time of estimated cardiac arrest.
Code:	Time format should be coded as HHMM.
Field Length:	6
Field Starting and Ending Position:	362 - 367

Content: Time format should be coded as HHMMSS. HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Allows assessment of actual total arrest time in patients with cardiac arrest. This information is valuable for researchers and educators concerned with CPR training.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported...", "Care Transferred", "Treated and ...", AND have a Procedure or Treatment of CPR or a Sign and Symptoms Present marked of "Cardioresp. Arrest" OR a Provider Impression marked as "Cardiac Arrest" must have a Time of Cardiac Arrest entered.* Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM and SS. Midnight is coded as 000000, and begins the new day.

This data element is undefined if CPR was never administered. Thus, in writing computerized reports, a program should first examine the "Provider of First CPR" field, or a treatment field, to determine that CPR occurred on the run. If CPR was never rendered, the software should never examine this field.

53.

Name of Data Element:	Provider of First CPR
Priority:	Desirable
Definition:	Person who performed first CPR on patient.
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	368 - 369
Data Items:	
01	Bystander
02	EMS responder
03	Family
04	Fire responder
05	Law Enforcement responder
06	None

Discussion and Justification: Useful for assessing the quality of CPR rendered by initial responders to a cardio respiratory arrest, for planning public educational efforts, etc.

Business Rules: *Records submitted that require and have a Time of Cardiac Arrest marked and a Procedure OR Treatment of 'CPR' OR Time of First CPR marked **must** have a Provider of First CPR entered.* Records with missing or an invalid entry will be marked as non-compliant by the system. **Only one (1)** item from the above data item list can be submitted. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Not applicable should be used when there is no need for CPR given the condition of the patient. Unknown should only be used when data is being entered long after the actual incident and the information cannot be correctly reconstructed from the hardcopy record. For instance, unknown should never be the code if there was no CPR rendered; this should be coded as not applicable.

54.

Name of Data Element:	Time of First CPR
Priority:	Desirable
Definition:	Best <u>estimate</u> of time of first CPR.
Code:	Time format should be coded as HHMM.
Field Length:	6
Field Starting and Ending Position:	370 - 375

Content: Time format should be coded as HHMMSS. HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Permits assessment of the duration of cardiopulmonary resuscitation prior to arrival of EMS responder. Useful for research purposes and for planning public education concerning CPR.

Business Rules: *Records submitted that require and have a Time of Cardiac Arrest marked AND a Procedure OR Treatment of 'CPR' OR Provider of First CPR marked **must** have a Time of First CPR entered.* Records with missing or invalid Time of First CPR entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two (2) character field width for HH, MM and SS. Midnight is coded as 000000, and begins the new day.

This data element is undefined if CPR was never administered. Thus, in writing computerized reports, a program should first examine the "Provider of First CPR" field, or a treatment field, to determine that CPR occurred on the run. If CPR was never rendered, the software should never examine this field.

55.

Name of Data Element:	Provider of First Defibrillation
Priority:	Desirable
Definition:	Person who performed first defibrillation on patient.
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	376 - 377
Data Items:	
01	PAD
02	First responder /Law Enforce./Fire AED
03	Ambulance AED
04	Ambulance Manual
88	Not Applicable

Discussion and Justification: Provides information concerning the incidence of defibrillation of cardiac arrest patient. (For planning public and EMS Training efforts.)

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...”, ‘Care Transferred’, ‘Treated and ...’, AND a Sign and Symptoms Present marked of ‘Cardioresp. Arrest’ OR a Provider Impression marked as ‘Cardiac Arrest’ OR a Time of First Defibrillatory Shock marked **must** have a Provider of First Defibrillatory Shock entered.* Records with missing or invalid Provider of First Defibrillatory Shock entry will be marked as non-compliant by the system. **Only one (1)** item from the above data item list can be submitted. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Not applicable should be used when there was no cardiac arrest or witness of a cardiac arrest. Unknown should only be used when data is being entered long after the actual incident and the information cannot be correctly reconstructed from the hardcopy record. For instance, unknown should never be the code if there was no cardiac arrest or witness; this should be coded as not applicable.

88 *Not Applicable*

This is to be coded if the incident met the requirements for a defibrillatory shock, but none were administered. This is not to be used when there was no cardiac arrest or no patient contact.

56.

Name of Data Element:	Time of First Defibrillatory Shock
Priority:	Desirable
Definition:	<u>Estimated</u> time of first Defibrillatory shock.
Code:	Numeric entry
Field Length:	6
Field Starting and Ending Position:	378 - 383

Content: Time format should be coded as HHMMSS. HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Allows assessment of the time required between onset of cardiac arrest and provision of defibrillation in instances of ventricular fibrillation. Provides information about the rapidity with which the EMS responder correctly diagnoses the rhythm and takes action.

Business Rules: *Records submitted that meet the requirement for defibrillation and have a Provider of First Defibrillatory Shock marked other than 'Not Applicable' must have a Time of First Defibrillatory Shock entered.* Records with missing or invalid Time of First Defibrillatory Shock entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM and SS. Midnight is coded as 000000, and begins the new day.

57.

Name of Data Element:	Number of Defibrillatory Shock(s)
Priority:	Desirable
Definition:	Numeric entry of the number of defibrillatory shocks given to the patient.
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	384 - 385
Data Items:	
00 – 11	Exact numeric entry of number of shocks
12	If shocks > 11+

Content: Numeric entry of numbers between 0-11 and 12 (represents any number greater than 11).

Discussion and Justification: Allows assessment of the number of defibrillation shocks delivered to a patient. Provides information about the number of defibrillatory shocks and the field outcome of a patient.

Business Rules: *Records submitted that meet the requirement for defibrillation and have a Provider of First Defibrillatory Shock marked other than 'Not Applicable' must have a Number of Defibrillatory Shock(s) entered.* Records with missing or invalid Number of Defibrillatory Shock(s) entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments:

58.

Name of Data Element:	Time CPR Discontinued
Priority:	Desirable
Definition:	Time at which medical control or responding EMS unit terminated resuscitation efforts (chest compressions and CPR) in the field.
Code:	Time format should be coded as HHMM.
Field Length:	6
Field Starting and Ending Position:	386 - 391

Content: Time format should be coded as HHMMSS. HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Provides information concerning the duration of CPR in the field in cases in which the patient was pronounced dead in the field.

Business Rules: *Records submitted that require and have a Time of First CPR marked and a Procedure OR Treatment of 'CPR' OR Provider of First CPR marked **must** have a Time CPR Discontinued entered.* Records with missing or invalid entries will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two (2) character field width for HH, MM and SS. Midnight is coded as 000000, and begins the new day.

This data element is undefined if CPR was never administered. (see Technical Comments for "Time of First CPR")

If CPR continued into hospital than this time should match the arrival time at facility.

59.

Name of Data Element:	Time Spontaneous Circulation Returned
Priority:	Desirable
Definition:	Estimated time of restored palpable pulse following resuscitation in the field.
Code:	Numeric entry
Field Length:	6
Field Starting and Ending Position:	392 - 397

Content: Time format should be coded as HHMMSS. HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: If there was a return of spontaneous circulation while in the care of the providers then the providers should enter an appropriate time in this field.

Business Rules: A time should only be entered if return of circulation occurs and Time of Cardiac Arrest is marked. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two (2) character field width for HH, MM and SS. Midnight is coded as 000000, and begins the new.

60.

Name of Data Element:	Alcohol / Drug Use
Priority:	Essential
Definition:	Suspected alcohol or drug use by patient.
Code:	Numeric entry.
Field Length:	2
Field Starting and Ending Position:	398 - 399
Data Items:	
	01 Alcohol
	02 Drugs
	03 Alcohol/Drugs
	04 No

Discussion and Justification: Important data element for injury research, permitting reports of value to public health researchers and policy makers.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." , 'Care Transferred', 'Treat, transported... vehicle', 'Treated and ...', 'Patient refused...' must have an Alcohol / Drug use entered.* Records with missing or invalid Alcohol / Drug Use entry will be marked as non-compliant by the system. **Only one (1)** item from the above data item list can be submitted. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Should be coded as yes whenever the EMS responder suspect's alcohol or drug use by the patient may have contributed to the incident. The uses of drugs or alcohol in isolation have been coded individually for epidemiological purposes and specific use should be coded appropriately when possible. Not applicable should be used when there is no patient, such as in a standby response. If alcohol or drugs are totally unrelated to the incident, this field should be coded as no.

61.

Name of Data Element:	Initial Vital Signs Time
Priority:	Essential
Definition:	Time that initial vital signs were obtained
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	400 - 405

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Desirable in certain situations in which there may be a significant delay between the time at which a response unit arrives at the scene and the time at which the personnel can access the patient. For example, if the EMTs are prevented because of fire or adverse conditions from approaching the patient, this time will be useful. Search and rescue operations will also note delays between arrival at the overall scene and the actual patient contact.

Business Rules: If *Records submitted with an Incident Disposition of "Treated, transported..."*, *'Care Transferred'*, *'Treat, transported...'*, *'Treated and ...'*, *'Patient refused...'* **must have an Initial Vital Signs Time.** Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two (2) character field width for HH, MM and SS. Midnight is coded as 0000, and begins the new day.

62.

Name of Data Element:	Initial Pulse Rate
Priority:	Essential
Definition:	Patient's palpated or auscultated pulse rate expressed in number per minute.
Code:	Numeric entry
Field Length:	3
Field Starting and Ending Position:	406 - 408
Data Items:	
{Pulse rate} – Max entry 300	
888 Not Obtained	

Content: Code as three (3) -digit field.

Discussion and Justification: The pulse rate is a component of various triage-scoring systems, and permits a rough assessment of the severity of illness of the patient. This data element is based on the physical examination of the patient, and the pulse must be palpated or auscultated. An electrical rhythm is not sufficient, as the patient could have pulse less electrical activity (PEA). In this instance, the correct value of this data element is '000'.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...”, “Care Transferred”, “Treat, transported...”, “Treated and ...”, “Patient refused...” must have an Initial Pulse entered.* An entered pulse rate should not be entered greater than 300. Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Pulse rates should be left justified filled with zeros (i.e. 60 = 060). It is recognized that patient’s encountered may have an initial pulse rate greater than 300, however, planning and epidemiological studies do not need to differentiate individual numbers greater than the maximum setting. This should limit the submission of, as well as flag erroneous data.

888 *Not Obtained*

This is to be coded if a patient was encountered and no pulse was assessed. It is not to be used if no patient was encountered or the incident does not require a pulse rate.

63.

Name of Data Element:	Initial Respiratory Rate
Priority:	Essential
Definition:	Unassisted patient respiratory rate expressed as number per minute.
Code:	Numeric entry
Field Length:	3
Field Starting and Ending Position:	409 - 411
Data Items:	
{Respiratory rate} - Limit 100	
888 Not Obtained	

Content: Coded as three (3)-digit field.

Discussion and Justification: Component of several triage scoring systems and provides some assessment of severity of illness or injury. If a patient is not breathing and requires artificial ventilation, this data element should be coded as '000'.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." , 'Care Transferred', 'Treat, transported... vehicle', 'Treated and ...', 'Patient refused...' must have an Initial Respiratory Rate entered. An entered respiratory rate should not be entered greater than 100. Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: Respiratory rates should be left justified filled with zeros (i.e. 20 = 020). It is recognized that patient's encountered may have an initial respiratory rate greater than 100, however, planning and epidemiological studies do not need to differentiate individual numbers greater than the maximum setting. This should limit the submission of, as well as flag erroneous data.

888 *Not Obtained*

This is to be coded if a patient was encountered and no respiratory rate was assessed. It is not to be used if no patient was encountered or the incident does not require a respiratory rate.

64.

Name of Data Element:	Initial Systolic Blood Pressure
Priority:	Essential
Definition:	Patient's systolic blood pressure
Code:	Numeric entry
Field Length:	3
Field Starting and Ending Position:	412 - 414
Data Items:	
{Systolic blood pressure} – Limit 400	
888 Not Obtained	

Content: Coded as three (3)-digit field.

Discussion and Justification: Important component of several scoring systems for triage, and permits some assessment of acuity of patient.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...”, ‘Care Transferred’, ‘Treat, transported... vehicle’, ‘Treated and ...’, ‘Patient refused...’ must have an Initial Systolic Blood Pressure entered.* An entered systolic blood pressure should not be greater than 400. Records with missing or invalid systolic blood pressure entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Systolic blood pressures should be left justified filled with zeros (i.e. 60 = 060). The coding of ‘000’ should only be used if a blood pressure is attempted but not able to be determined due to poor perfusion. It is recognized that patient’s encountered may have an initial systolic blood pressures greater than 400, however, planning and epidemiological studies do not need to differentiate individual number greater than the maximum setting. This should limit the submission of, as well as flag erroneous data.

888 *Not Obtained*

This is to be coded if a patient was encountered and no systolic blood pressure was assessed. It is not to be used if no patient was encountered or the incident does not require a systolic blood pressure.

65.

Name of Data Element:	Initial Diastolic Blood Pressure
Priority:	Essential
Definition:	Patient's diastolic blood pressure
Code:	Numeric entry
Field Length:	3
Field Starting and Ending Position:	415 - 417
Data Items:	
{Diastolic blood pressure} – Limit 400	
888 Not Obtained	

Content: Coded as three (3)-digit field.

Discussion and Justification: Important component of several scoring systems for triage, and permits some assessment of acuity of patient.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...”, ‘Care Transferred’, ‘Treat, transported... vehicle’, ‘Treated and ...’, ‘Patient refused...’ must have an Initial Diastolic Blood Pressure entered. An entered diastolic blood pressure should not be entered greater than 400. Records with missing or invalid diastolic blood pressure entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: Diastolic blood pressures should be left justified filled with zeros (i.e. 60 = 060). The coding of ‘000’ should only be used if a blood pressure is attempted but not able to be determined due to poor perfusion. It is recognized that patient’s encountered may have an initial diastolic blood pressures greater than 400, however, planning and epidemiological studies do not need to differentiate individual number greater than the maximum setting. This should limit submission of, as well as flag erroneous data.

888 *Not Obtained*

This is to be coded if a patient was encountered and no diastolic blood pressure was assessed. It is not to be used if no patient was encountered or the incident does not require a diastolic blood pressure.

66.

Name of Data Element:	Initial Palpated Diastolic Blood Pressure
Priority:	Essential
Definition:	Patient's palpated diastolic blood pressure
Code:	Numeric entry
Field Length:	1
Field Starting and Ending Position:	418 - 418
Data Items:	
	0 Auscultated
	1 Palpated

Content: Coded as a one (1)-digit field.

Discussion and Justification: Important component of several scoring systems for triage, and permits some assessment of acuity of patient.

Business Rules: *Records submitted that require a Diastolic Blood Pressure and have a value other than '888' must have an Initial Palpated Diastolic Blood Pressure entered.* Records with missing or invalid palpated diastolic blood pressure entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

0 *Auscultated*

This is coded when a diastolic blood pressure field is completed and the value was obtained via auscultation or electronic means.

1 *Palpate*

This is coded when a systolic blood pressure field was obtained via palpation, thus preventing the interpretation of a diastolic blood pressure.

67.

Name of Data Element:	Initial Skin Perfusion						
Priority:	Essential						
Definition:	Patient skin perfusion expressed as normal or decreased.						
Code:	Numeric entry						
Field Length:	2						
Field Starting and Ending Position:	419 - 420						
Data Items:	<table> <tr> <td>01</td> <td>Normal</td> </tr> <tr> <td>02</td> <td>Decreased</td> </tr> <tr> <td>88</td> <td>Not Obtained</td> </tr> </table>	01	Normal	02	Decreased	88	Not Obtained
01	Normal						
02	Decreased						
88	Not Obtained						

Content: This data element is coded as a two (2)-position field. Normal is defined as warm, pink and with capillary refill time of two (2) or less seconds. Decreased is defined as cool, pale, mottled, dusky and with capillary refill time of greater than two (2) seconds.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." , 'Care Transferred', 'Treat, transported... vehicle', 'Treated and ...', 'Patient refused...' must have an Initial Skin Perfusion entered. Only one (1) item from the above data item list can be submitted. Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments:

88 *Not Obtained*

This is to be coded if a patient was encountered and no skin perfusion was assessed. It is not to be used if no patient was encountered or the incident does not require a skin perfusion assessment.

68.

Name of Data Element:	Initial Glasgow Eye Opening Component
Priority:	Essential
Definition:	Patient's eye opening component of the Glasgow coma scale.
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	421 - 422
Data Items:	
01	None
02	Opens eyes in response to painful stimulation
03	Opens eyes in response to verbal stimulation
04	Opens eyes spontaneously
88	Not obtained

Discussion and Justification: One of three components of the Glasgow Coma Scale (GCS), which is widely used to assess neurological status. The score and its components are also parts of a variety of triage scoring systems. The component by itself does not offer a true assessment of neurological status; therefore a complete GCS examination assessing all three components must be submitted for neurological evaluation purposes.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." , 'Care Transferred', 'Treat, transported... vehicle', 'Treated and ...', 'Patient refused...' must have a complete GCS examination entered. Only one (1) item from the above data item list can be submitted. Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: A judgment that the data element is not applicable should not be made at the responder level. Instead, this can be made by generating data reports for specific conditions in which the data element is considered relevant, and examining the field for valid values.

88 *Not Obtained*

This is to be coded if a patient was encountered and GCS was not assessed. It is not to be used if no patient was encountered or the incident does not require a skin perfusion assessment.

69.

Name of Data Element:	Initial Glasgow Verbal Component
Priority:	Essential
Definition:	Patient's verbal component of the Glasgow coma scale
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	423 - 424
Data Items:	
<p>For patients >5years:</p> <p>01 None</p> <p>02 Non-specific sounds</p> <p>03 Inappropriate words</p> <p>04 Confused conversation or speech</p> <p>05 Oriented and appropriate speech</p> <p>For patients 2-5 years:</p> <p>01 None</p> <p>02 Grunts</p> <p>03 Cries and/or screams</p> <p>04 Inappropriate words</p> <p>05 Appropriate words</p> <p>For patients 0-23 months:</p> <p>01 None</p> <p>02 Persistent cry, grunting</p> <p>03 Inappropriate cry</p> <p>04 Cries, inconsolable</p> <p>05 Smiles, coos, cries appropriately</p> <p>88 Not Obtained</p>	

Discussion and Justification: One of three components of the Glasgow Coma Scale, which is widely used to assess neurological status. The score and its components are also parts of a variety of triage scoring systems. The component by itself does not offer a true assessment of neurological status; therefore a complete GCS examination assessing all three components must be submitted for neurological evaluation purposes.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...”, “Care Transferred”, “Treat, transported... vehicle”, “Treated and ...”, “Patient refused...” must have a complete GCS examination entered. Only one (1) item from the above data item list can be submitted. Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: If the patient is intubated and deeply comatose, then this data element is coded as 1 for none, since there was no verbal response at the time of Intubation. However, if the patient is intubated but not deeply comatose, and there is a possibility of verbal response, it is difficult to apply the Glasgow coma scale. The EMS responder can ask questions and if the patient can nod his head or blink eyes, etc. appropriately, then this element is coded as 5. A judgment that the data element is not applicable should not be made at the responder level. Instead, this can be made by generating data reports for specific conditions in which the data element is considered relevant, and examining the field for valid values.

88 *Not Obtained*

This is to be coded if a patient was encountered and GCS was not assessed. It is not to be used if no patient was encountered or the incident does not require a skin perfusion assessment.

70.

Name of Data Element:	Initial Glasgow Motor Component
Priority:	Essential
Definition:	Patient's motor component of the Glasgow coma scale.
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	425 - 426
<p>Data Items:</p> <p>For patients >5 years:</p> <ul style="list-style-type: none"> 01 None 02 Extensor posturing in response to painful stimulation 03 Flexor posturing in response to painful stimulation 04 General withdrawal in response to painful stimulation 05 Localization of painful stimulation 06 Obeys commands with appropriate motor response <p>For patients up to 5 years:</p> <ul style="list-style-type: none"> 01 None 02 Extensor posturing in response to painful stimulation 03 Flexor posturing in response to painful stimulation 04 General withdrawal in response to painful stimulation 05 Localization of painful stimulation 06 Spontaneous 88 Not Obtained 	

Discussion and Justification: One of three components of the Glasgow Coma Scale, which is widely used to assess neurological status. The score and its components are also parts of a variety of triage scoring systems. The component by itself does not offer a true assessment of neurological status; therefore a complete GCS examination assessing all three components must be submitted for neurological evaluation purposes.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported...", "Care Transferred", "Treat, transported... vehicle", "Treated and ...", "Patient refused..." must have a complete GCS examination entered. Only one (1) item from the above data item list can be submitted. Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: This component cannot be assessed if the patient has received a muscle relaxant. However, information on patient's response prior to the muscle relaxant may be reported for this initial assessment. A judgment that the data element is not applicable should not be made at the responder level. Instead, this can be made by generating data reports for specific conditions in which the data element is considered relevant, and examining the field for valid values.

88 *Not Obtained*

This is to be coded if a patient was encountered and GCS was not assessed. It is not to be used if no patient was encountered or the incident does not require a skin perfusion assessment.

71.

Name of Data Element:	Initial Revised Trauma Score
Priority:	Desirable
Definition:	Patient's revised trauma score.
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	427 - 428

Content: Coded as two (2)-digit field.

Discussion and Justification: One example of a triage scoring system, which may be used to categorize injured patients in an EMS system. This data element is considered desirable, but the intention is that local agencies use scoring systems, which are applicable to their own purposes. Most of these scoring systems should be calculable from other data elements, which are included as core elements of the uniform data set.

Other scoring systems that are used in EMS information systems include the CRAMS, the Trauma Index, the Trauma Score (Champion), the Glasgow Coma Scale, APACHE, PRISM, Hanover Intensive Score (HIS), AIS and ISS. It is recommended that experience be gained with these scoring systems, emphasizing scoring systems, which can be automatically calculated from components, which are designated as core data elements.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." , 'Care Transferred' AND have an Incident Type marked as 'Trauma' must have an Initial Revised Trauma Score entered.* Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: The revised trauma score may be calculated from other data elements. It is the sum of a respiratory rate component, systolic blood pressure component, and a neurologic component.

Respiratory Rate Component

4	10 - 29 per minute
3	>29 per minute
2	6 - 9 per minute
1	1 - 5 per minute
0	None spontaneous

Systolic Blood Pressure Component

4	>89 mm Hg
3	76 - 89 mm Hg
2	50 - 75 mm Hg
1	1 - 49 mm Hg
0	No pulse

Neurologic Component

4	Glasgow coma score 13 - 15
3	Glasgow coma score 9 - 12
2	Glasgow coma score 6 - 8
1	Glasgow coma score 4 - 5
0	Glasgow coma score 3

Calculate the total score by adding the 3 fields together. If the score cannot be calculated because of an absent component data or is unknown, then the score should be coded as '88'.

88 *Not Obtained*

This is to be coded if a patient was encountered and not all components were presented to properly formulate a score. It is not to be used if no patient was encountered or the incident does not require revised trauma score.

72.

Name of Data Element:	Initial Cardiac Rhythm Time
Priority:	Essential
Definition:	Time that initial cardiac rhythm was obtained
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	429 - 434

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Desirable in certain situations in which there may be a significant delay between the time at which a response unit arrives at the scene and the time at which the personnel can access the patient. For example, if the EMTs are prevented because of fire or adverse conditions from approaching the patient, this time will be useful. Search and rescue operations will also note delays between arrival at the overall scene and the actual patient contact.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." and an Initial Cardiac Rhythm must have an Initial Cardiac Rhythm Time entered.* If the incident or level of care is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two-(2) character field width for HH, MM and SS. Midnight is coded as 0000, and begins the new day.

73.

Name of Data Element:	Initial Cardiac Rhythm		
Priority:	Essential		
Definition:	Initial monitored cardiac rhythm as interpreted by EMS personnel.		
Code:	Numeric entry		
Field Length:	2		
Field Starting and Ending Position:	435 - 436		
Data Items:			
01	Normal Sinus	10	Paced
02	Sinus Tach.	11	PVC's
03	Sinus Brady	12	SV. Tach.
04	Asystole	13	Vent. Tach
05	AV Block	14	Vent. Fib.
06	Atrial Fib.	15	AED Shockable
07	Atrial Flutter	16	AED Non-Shockable
08	PEA / EMD	77	Other
09	Junctional	88	Not Applicable

Discussion and Justification: Provides the initial monitored rhythm, permitting reports generated according to initial rhythm. Such reports would be of use in assessing the survival rate after certain rhythms.

It is understood that some agencies collect data about cardiac rhythms with more detail than this list. For instance, many agencies expect EMS personnel to distinguish first, second, and third degree heart block. There is no intention to restrict the manner in which any agencies decide to code cardiac rhythms, but there is a necessity to be able to collapse those rhythms to a common definition, which can then be combined. For the examples of heart block mentioned, those would all collapse into AV Block.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." , 'Care Transferred', 'Treat, transported... vehicle', 'Treated and ...', 'Patient refused...' and has a Nature of Incident marked as 'ALS' or 'Critical Care' must have an Initial Cardiac Rhythm.*

Only one (1) item from the above data item list can be submitted. Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: This field should be coded with the appropriate number of spaces when the EMS responder is not an appropriate level provider to assess electrical rhythm, or if electrical monitoring is unavailable to the provider.

74.

Name of Data Element:	Final Cardiac Rhythm Time
Priority:	Essential
Definition:	Time that the final cardiac rhythm was obtained
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	437 - 442

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Desirable in certain situations in which there may be a significant delay between the time at which a response unit arrives at the scene and the time at which the personnel can access the patient. For example, if the EMTs are prevented because of fire or adverse conditions from approaching the patient, this time will be useful. Search and rescue operations will also note delays between arrival at the overall scene and the actual patient contact.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." and a Final Cardiac Rhythm must have a Final Cardiac Rhythm Time entered.* If the incident or level of care is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two (2) character field width for HH, MM and SS. Midnight is coded as 0000, and begins the new day.

75.

Name of Data Element:	Final Cardiac Rhythm (at Destination)		
Priority:	Desirable		
Definition:	Monitored cardiac rhythm upon arrival at destination.		
Code:	Numeric entry		
Field Length:	2		
Field Starting and Ending Position:	443 - 444		
Data Items:			
01	Normal Sinus	10	Paced
02	Sinus Tach.	11	PVC's
03	Sinus Brady	12	SV. Tach.
04	Asystole	13	Vent. Tach
05	AV Block	14	Vent. Fib.
06	Atrial Fib.	15	AED Shockable
07	Atrial Flutter	16	AED Non-Shockable
08	PEA / EMD	77	Other
09	Junctional	88	Not Applicable

Discussion and Justification: Captures the electrical rhythm at the time of arrival at a destination, as previously defined. Reports could examine whether this rhythm differs from the initial rhythm of the patient when encountered in the field, whether there was improvement or deterioration, etc. If an EMS responder is not equipped with electrical monitoring capability or is not of an appropriate level to assess rhythm, this field should be coded as not applicable.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." and has a Nature of Incident marked as 'ALS' or 'Critical Care' must have a Final Cardiac Rhythm. Only one (1) item from the above data item list can be submitted. Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

76.

Name of Data Element:	Final Vital Signs Time
Priority:	Essential
Definition:	Time that final vital signs were obtained
Code:	Time format should be coded as HHMMSS.
Field Length:	6
Field Starting and Ending Position:	445 - 450

Content: HH ranges from 00 to 23; MM ranges from 00 to 59; SS ranges from 00 to 59.

Discussion and Justification: Desirable in certain situations in which there may be a significant delay between the time at which a response unit arrives at the scene and the time at which the personnel can access the patient. For example, if the EMTs are prevented because of fire or adverse conditions from approaching the patient, this time will be useful. Search and rescue operations will also note delays between arrival at the overall scene and the actual patient contact.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." and any of the Final Vital Signs data elements **should** have a Final Vital Signs Time entered.* If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Format HHMMSS is recommended as part of FIPS standard. There should be no colon in the field when used for export purposes. Use leading zeros to assure two (2) character field width for HH, MM and SS. Midnight is coded as 0000, and begins the new day.

77.

Name of Data Element:	Final Pulse Rate
Priority:	Essential
Definition:	Patient's palpated or auscultated pulse rate expressed in number per minute.
Code:	Numeric entry
Field Length:	3
Field Starting and Ending Position:	451 - 453
Data Items:	
{Pulse rate} – Max entry 300	
888 Not Obtained	

Content: Code as three (3)-digit field.

Discussion and Justification: The pulse rate is a component of various triage-scoring systems, and permits a rough assessment of the severity of illness of the patient. This data element is based on the physical examination of the patient, and the pulse must be palpated or auscultated. An electrical rhythm is not sufficient, as the patient could have pulse less electrical activity (PEA). In this instance, the correct value of this data element is '000'.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." , should have a Final Pulse entered.* An entered pulse rate should not be entered greater than 300. Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Pulse rates should be left justified filled with zeros (i.e. 60 = 060). It is recognized that patient's encountered may have an initial pulse rate greater than 300, however, planning and epidemiological studies do not need to differentiate individual numbers greater than the maximum setting. This should limit the submission of, as well as flag erroneous data.

888 *Not Obtained*

This is to be coded if a patient was encountered and no pulse was assessed. It is not to be used if no patient was encountered or the incident does not require a pulse rate.

78.

Name of Data Element:	Final Respiratory Rate
Priority:	Essential
Definition:	Unassisted patient respiratory rate expressed as number per minute.
Code:	Numeric entry
Field Length:	3
Field Starting and Ending Position:	454 - 456
Data Items:	
{Respiratory rate} - Limit 100	
888 Not Obtained	

Content: Coded as three (3)-digit field.

Discussion and Justification: Component of several triage scoring systems and provides some assessment of severity of illness or injury. If a patient is not breathing and requires artificial ventilation, this data element should be coded as '000'.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." should have a Final Respiratory Rate entered.* An entered respiratory rate should not be entered greater than 100. Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: Respiratory rates should be left justified filled with zeros (i.e. 20 = 020). It is recognized that patient's encountered may have an initial respiratory rate greater than 100, however, planning and epidemiological studies do not need to differentiate individual numbers greater than the maximum setting. This should limit the submission of, as well as flag erroneous data.

888 *Not Obtained*

This is to be coded if a patient was encountered and no respiratory rate was assessed. It is not to be used if no patient was encountered or the incident does not require a respiratory rate.

79.

Name of Data Element:	Final Systolic Blood Pressure
Priority:	Essential
Definition:	Patient's systolic blood pressure
Code:	Numeric entry
Field Length:	3
Field Starting and Ending Position:	457 - 459
Data Items:	
{Systolic blood pressure} – Limit 400	
888 Not Obtained	

Content: Coded as three (3)-digit field.

Discussion and Justification: Important component of several scoring systems for triage, and permits some assessment of acuity of patient.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...” should have a Final Systolic Blood Pressure entered. An entered systolic blood pressure should not be greater than 400. Records with missing or invalid systolic blood pressure entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: Systolic blood pressures should be left justified filled with zeros (i.e. 60 = 060). The coding of ‘000’ should only be used if a blood pressure is attempted but not able to be determined due to poor perfusion. It is recognized that patient’s encountered may have an initial systolic blood pressures greater than 400, however, planning and epidemiological studies do not need to differentiate individual number greater than the maximum setting. This should limit the submission of, as well as flag erroneous data.

888 *Not Obtained*

This is to be coded if a patient was encountered and no systolic blood pressure was assessed. It is not to be used if no patient was encountered or the incident does not require a systolic blood pressure.

80.

Name of Data Element:	Final Diastolic Blood Pressure
Priority:	Essential
Definition:	Patient's diastolic blood pressure
Code:	Numeric entry
Field Length:	3
Field Starting and Ending Position:	460 - 462
Data Items:	
{Diastolic blood pressure} – Limit 400	
888 Not Obtained	

Content: Coded as three (3)-digit field.

Discussion and Justification: Important component of several scoring systems for triage, and permits some assessment of acuity of patient.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...” should have a Final Diastolic Blood Pressure entered. An entered diastolic blood pressure should not be entered greater than 400. Records with missing or invalid diastolic blood pressure entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: Diastolic blood pressures should be left justified filled with zeros (i.e. 60 = 060). The coding of ‘000’ should only be used if a blood pressure is attempted but not able to be determined due to poor perfusion. It is recognized that patient’s encountered may have an initial diastolic blood pressures greater than 400, however, planning and epidemiological studies do not need to differentiate individual number greater then the maximum setting. This should limit submission of, as well as flag erroneous data.

888 *Not Obtained*

This is to be coded if a patient was encountered and no diastolic blood pressure was assessed. It is not to be used if no patient was encountered or the incident does not require a diastolic blood pressure.

81.

Name of Data Element:	Final Palpated Diastolic Blood Pressure
Priority:	Essential
Definition:	Patient's palpated diastolic blood pressure
Code:	Numeric entry
Field Length:	1
Field Starting and Ending Position:	463 - 463
Data Items:	
0	Auscultated
1	Palpate

Content: Coded as a one (1)-digit field.

Discussion and Justification: Important component of several scoring systems for triage, and permits some assessment of acuity of patient.

Business Rules: *Records submitted that require a Diastolic Blood Pressure and have a value other than '888' must have a Final Palpated Diastolic Blood Pressure entered.* Records with missing or invalid diastolic blood pressure entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

0 *Auscultated*

This is coded when a diastolic blood pressure field is completed and the value was obtained via auscultation or electronic means.

1 *Palpate*

This is coded when a systolic blood pressure field was obtained via palpation, thus preventing the interpretation of a diastolic blood pressure.

82.

Name of Data Element:	Final Skin Perfusion
Priority:	Essential
Definition:	Patient skin perfusion expressed as normal or decreased.
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	464 - 465
Data Items:	
01	Normal
02	Decreased
88	Not Obtained

Content: This data element is coded as a two (2)-position field. Normal is defined as warm, pink and with capillary refill time of two (2) or less seconds. Decreased is defined as cool, pale, mottled, dusky and with capillary refill time of greater than two (2) seconds.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." should have a Final Skin Perfusion entered. Only one (1) item from the above data item list can be submitted.*

Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments:

88 *Not Obtained*

This is to be coded if a patient was encountered and no skin perfusion was assessed. It is not to be used if no patient was encountered or the incident does not require a skin perfusion assessment.

83.

Name of Data Element:	Final Glasgow Eye Opening Component
Priority:	Essential
Definition:	Patient's eye opening component of the Glasgow coma scale.
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	466 - 467
Data Items:	
01	None
02	Opens eyes in response to painful stimulation
03	Opens eyes in response to verbal stimulation
04	Opens eyes spontaneously
88	Not obtained

Discussion and Justification: One of three components of the Glasgow Coma Scale (GCS), which is widely used to assess neurological status. The score and its components are also parts of a variety of triage scoring systems. The component by itself does not offer a true assessment of neurological status; therefore a complete GCS examination assessing all three components must be submitted for neurological evaluation purposes.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." should have a complete Final GCS examination entered. Only one (1) item from the above data item list can be submitted. Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: A judgment that the data element is not applicable should not be made at the responder level. Instead, this can be made by generating data reports for specific conditions in which the data element is considered relevant, and examining the field for valid values.

88 *Not Obtained*

This is to be coded if a patient was encountered and GCS was not assessed. It is not to be used if no patient was encountered or the incident does not require a skin perfusion assessment.

84.

Name of Data Element:	Final Glasgow Verbal Component
Priority:	Essential
Definition:	Patient's verbal component of the Glasgow coma scale
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	468 - 469
Data Items:	
<p>For patients >5 years:</p> <p>01 None</p> <p>02 Non-specific sounds</p> <p>03 Inappropriate words</p> <p>04 Confused conversation or speech</p> <p>05 Oriented and appropriate speech</p> <p>For patients 2-5 years:</p> <p>01 None</p> <p>02 Grunts</p> <p>03 Cries and/or screams</p> <p>04 Inappropriate words</p> <p>05 Appropriate words</p> <p>For patients 0-23 months:</p> <p>01 None</p> <p>02 Persistent cry, grunting</p> <p>03 Inappropriate cry</p> <p>04 Cries, inconsolable</p> <p>05 Smiles, coos, cries appropriately</p> <p>88 Not Obtained</p>	

Discussion and Justification: One of three components of the Glasgow Coma Scale, which is widely used to assess neurological status. The score and its components are also parts of a variety of triage scoring systems. The component by itself does not offer a true assessment of neurological status; therefore a complete GCS examination assessing all three components must be submitted for neurological evaluation purposes.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...” should have a complete Final GCS examination entered. Only one (1) item from the above data item list can be submitted. Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: If the patient is intubated and deeply comatose, then this data element is coded as 1 for none, since there was no verbal response at the time of Intubation. However, if the patient is intubated but not deeply comatose, and there is a possibility of verbal response, it is difficult to apply the Glasgow coma scale. The EMS responder can ask questions and if the patient can nod his head or blink eyes, etc. appropriately, then this element is coded as 5. A judgment that the data element is not applicable should not be made at the responder level. Instead, this can be made by generating data reports for specific conditions in which the data element is considered relevant, and examining the field for valid values.

88 *Not Obtained*

This is to be coded if a patient was encountered and GCS was not assessed. It is not to be used if no patient was encountered or the incident does not require a skin perfusion assessment.

85.

Name of Data Element:	Final Glasgow Motor Component																										
Priority:	Essential																										
Definition:	Patient's motor component of the Glasgow coma scale.																										
Code:	Numeric entry																										
Field Length:	2																										
Field Starting and Ending Position:	470 - 471																										
<p>Data Items:</p> <p>For patients >5 years:</p> <table> <tr><td>01</td><td>None</td></tr> <tr><td>02</td><td>Extensor posturing in response to painful stimulation</td></tr> <tr><td>03</td><td>Flexor posturing in response to painful stimulation</td></tr> <tr><td>04</td><td>General withdrawal in response to painful stimulation</td></tr> <tr><td>05</td><td>Localization of painful stimulation</td></tr> <tr><td>06</td><td>Obeys commands with appropriate motor response</td></tr> </table> <p>For patients up to 5 years:</p> <table> <tr><td>01</td><td>None</td></tr> <tr><td>02</td><td>Extensor posturing in response to painful stimulation</td></tr> <tr><td>03</td><td>Flexor posturing in response to painful stimulation</td></tr> <tr><td>04</td><td>General withdrawal in response to painful stimulation</td></tr> <tr><td>05</td><td>Localization of painful stimulation</td></tr> <tr><td>06</td><td>Spontaneous</td></tr> <tr><td>88</td><td>Not Obtained</td></tr> </table>		01	None	02	Extensor posturing in response to painful stimulation	03	Flexor posturing in response to painful stimulation	04	General withdrawal in response to painful stimulation	05	Localization of painful stimulation	06	Obeys commands with appropriate motor response	01	None	02	Extensor posturing in response to painful stimulation	03	Flexor posturing in response to painful stimulation	04	General withdrawal in response to painful stimulation	05	Localization of painful stimulation	06	Spontaneous	88	Not Obtained
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06	Spontaneous																										
88	Not Obtained																										

Discussion and Justification: One of three components of the Glasgow Coma Scale, which is widely used to assess neurological status. The score and its components are also parts of a variety of triage scoring systems. The component by itself does not offer a true assessment of neurological status; therefore a complete GCS examination assessing all three components must be submitted for neurological evaluation purposes.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." should have a complete Final GCS examination entered. Only one (1) item from the above data item list can be submitted.*

Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: This component cannot be assessed if the patient has received a muscle relaxant. However, information on patient's response prior to the muscle relaxant may be reported for this initial assessment. A judgment that the data element is not applicable should not be made at the responder level. Instead, this can be made by generating data reports for specific conditions in which the data element is considered relevant, and examining the field for valid values.

88 *Not Obtained*

This is to be coded if a patient was encountered and GCS was not assessed. It is not to be used if no patient was encountered or the incident does not require a skin perfusion assessment.

86.

Name of Data Element:	Final Revised Trauma Score
Priority:	Desirable
Definition:	Patient's revised trauma score.
Code:	Numeric entry
Field Length:	2
Field Starting and Ending Position:	472 - 473

Content: Coded as two (2)-digit field.

Discussion and Justification: One example of a triage scoring system, which may be used to categorize injured patients in an EMS system. This data element is considered desirable, but the intention is that local agencies use scoring systems, which are applicable to their own purposes. Most of these scoring systems should be calculable from other data elements, which are included as core elements of the uniform data set.

Other scoring systems that are used in EMS information systems include the CRAMS, the Trauma Index, the Trauma Score (Champion), the Glasgow Coma Scale, APACHE, PRISM, Hanover Intensive Score (HIS), AIS and ISS. It is recommended that experience be gained with these scoring systems, emphasizing scoring systems, which can be automatically calculated from components, which are designated as core data elements.

Business Rules: *Records submitted with an Incident Disposition of "Treated, transported..." should have a Final Revised Trauma Score entered.* Records with a missing or an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: The revised trauma score may be calculated from other data elements. It is the sum of a respiratory rate component, systolic blood pressure component, and a neurologic component.

Respiratory Rate Component

4	10 - 29 per minute
3	>29 per minute
2	6 - 9 per minute
1	1 - 5 per minute
0	None spontaneous

Systolic Blood Pressure Component

4	>89 mm Hg
3	76 - 89 mm Hg
2	50 - 75 mm Hg
1	1 - 49 mm Hg
0	No pulse

Neurologic Component

4	Glasgow coma score 13 - 15
3	Glasgow coma score 9 - 12
2	Glasgow coma score 6 - 8
1	Glasgow coma score 4 - 5
1	Glasgow coma score 3

Calculate the total score by adding the 3 fields together. If the score cannot be calculated because of an absent component data or is unknown, then the score should be coded as '88'.

88 *Not Obtained*

This is to be coded if a patient was encountered and not all components were presented to properly formulate a score. It is not to be used if no patient was encountered or the incident does not require revised trauma score.

87.

Name of Data Element:	Procedure or Treatment Name		
Priority:	Essential		
Definition:	Identification of crewmember position and the procedure they attempted or performed on patient.		
Code:	Numeric entry		
Field Length:	60		
Field Starting and Ending Position:	474 - 533		
Data Items:			
01	Assisted ventilation	13	Immobilization – extremity
02	Bleeding controlled	14	Intraosseous catheter
03	Blood Glucose Level (BGL) check	15	Intravenous catheter
04	Cardiopulmonary resuscitation	16	MAST / PASG (Applied)
05	Central Vein IV	17	Nasotracheal Intubation
06	Cervical Collar	18	Oxygen administration
07	Chest decompression	19	Pacing
08	Cricothyrotomy	20	Spinal Immobilization
09	ECG monitoring	21	Suction
10	EGTA/EOA/PTL/CombiTube	22	Surgical Airway
11	Endotracheal Intubation	77	Other
12	External defibrillation (includes auto)	88	Not Applicable

Discussion and Justification: Intended to provide planners and educators with information about which procedures are conducted in the field, by whom, and for what indications. Procedures are defined here as anything done by way of assessment or treatment of the patient. Thus, application of a cervical collar is a treatment, use of a cardiac monitor is a tool of assessment, and drawing blood tubes is neither a specific treatment nor a means of field assessment. All of these would be considered procedures for purposes of this data element.

The Iowa State Office of EMS derived this list to track recognized procedures and treatments occurring in the field. Agencies should identify other procedures not listed as ‘Other’.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...”, “Care Transferred”, “Treat, transported... vehicle”, “Treated and ...” may have a Procedure or Treatment Name entered. Up to twenty (20) items from the above data item list with the crewmember position code may be submitted. Left justify with submission(s) and back fill with appropriate spaces to meet field length. Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: This field is coded with the position of the crewmember, as identified in data elements 14 – 20, performing the procedure followed by the above data item code. For example the coding for crewmember 2 performing ‘Assisted ventilation’ and crewmember 1 performing ‘Cardiopulmonary resuscitation’ would be “201104”.

77 *Other*

This is to be coded when a crewmember does a procedure not listed in the data item list.

888 *Not Applicable*

This is to be coded if a patient was encountered and did not receive any procedures or treatment. This is not to be used if no patient was encountered or the incident does not require entry of a procedure or treatment. When used this should be the only code submitted in the field. Note that it is three (3) digits and does not require a crewmember position in front of the code.

88.

Name of Data Element:	Level of Care Provided (Nature of Incident)
Priority:	Mandatory
Definition:	Type of care available/rendered by personnel regardless of level
Code:	Numeric entry.
Field Length:	2
Field Starting and Ending Position:	534 - 535
Data Items	
01 BLS	
02 ALS	
03 Critical Care	

Content: This data element is coded as a two (2)-position field that provides important information about level of care rendered.

Business Rules: *All records submitted must have a Level of Care Provided entered.* Records with a missing or an invalid entry will be rejected and marked as non-compliant by the system.

Technical Comments:

01 *BLS*

Is a level of care that provides treatment and transport requiring only minimal intervention. It includes the administration of oxygen and patient assisted medications as noted in the Department of Transportation Basic Curriculum.

02 *ALS*

Is a level of care that is able to provide advanced monitoring of patient (ECG, 12 Lead, etc.), invasive procedures that include IV therapy, IO therapy, advanced airway management, ACLS, and pharmacology intervention. This level encompasses ILS care.

03 *Critical Care*

Is a level of specialty care patient transportation when medically necessary, for a critically ill or injured patient needing critical care paramedic [CCP] skills, between medical care facilities.

89.

Name of Data Element:	Medication Name
Priority:	Desirable
Definition:	Medication name.
Code:	Numeric entry.
Field Length:	56
Field Starting and Ending Position:	536 - 591
Data Items:	
Please refer to Appendix D for Medications List	

Discussion and Justification: Intended to provide planners and educators with information about which drugs are administered in the field, by whom, and for what indications. It is likely that each responder agency will have its own list of drugs, which are carried by the response vehicles, and this list should be used for the data collection efforts of that agency. The Iowa Department of Public Health, Bureau of EMS derived this list to track recognized the current state approved list of medications being used in the field. It is not expected that every agency will permit its providers to use or carry all these drugs. Agencies that administer medications not listed should mark those as ‘Other’.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...”, “Care Transferred”, “Treat, transported... vehicle”, “Treated and ...” may have a Medication Name entered. Up to fifteen (7) items from the above data item list with the crewmember position code and time administered may be submitted. Left justify with submission(s) and back fill with appropriate spaces to meet field length. Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: This field is coded with the position of the crewmember, as identified in data elements #13 – 20, performing the procedure followed by the above data item code, followed by the time administered in HH:MM format with the colon. Refer to elements #21 – 28 for coding information on times and acceptable ranges.

For example the coding for crewmember 3 administering ‘Atropine’ at 23:02 and crewmember 1 administering ‘Epinephrine’ at 23:05 would be “31023:0212123:05”.

77 *Other*

This is to be coded for the medication when a crewmember administers a medication not listed in the data item list. Follow the same format listed above.

888 *Not Applicable*

This is to be coded if a patient was encountered and received no medications. This is not to be used if no patient was encountered or the incident does not require entry of a procedure or treatment. When used this should be the only code submitted in the field. Note that it is three (3) digits and does not require a crewmember position in front of the code.

90.

Name of Data Element:	Destination Determination		
Priority:	Essential		
Definition:	Reason a transport destination was selected.		
Code:	Numeric entry.		
Field Length:	2		
Field Starting and Ending Position:	592 – 593		
Data Items:			
01	Closest Facility	06	Protocol
02	Patient/Family Choice	07	Specialty Resource Center
03	Patient Physician Choice	08	On-line Medical Direction
04	Managed Care	09	Diversion
05	Law Enforcement Choice	10	EMS Provider Choice

Discussion and Justification: Helps EMS managers to determine whether the choice of destination is appropriate. Items, which are defined as patient, physician, or family choice, are of interest to determine whether a trauma or referral system is functioning well, or is frequently overridden by non-medical issues.

Business Rules: *Records submitted with an Incident Disposition of ‘Treated, transported...’ or ‘Care Transferred’ must have a Destination Determination entered.* Records with a missing or an invalid entry will be marked as non-compliant by the system. **Only one (1)** item from the above data item list can be submitted. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

91.

Name of Data Element:	Prior Aid		
Priority:	Essential		
Definition:	The type of individual who performed any care prior to the arrival of this unit.		
Code:	Numeric entry		
Field Length:	2		
Field Starting and Ending Position:	594 - 595		
Data Items:			
01	None	13	First Responder
02	Bystander	14	Other Medical Professional
03	Family	15	Physician
04	Other Citizen	16	RN/LPN
05	Patient	17	Doctor's Office/Clinic
06	Ambulance Service	18	Hospital
07	First Responder Service	19	Nursing Home
08	Fixed Wing Service	20	Other Medical Facility
09	Helicopter Service	21	Law Enforcement
10	Fire Dept.	77	Other
11	Rescue Service	88	Not Applicable
12	EMT	98	Unknown

Discussion and Justification: Beneficial to planners and researchers in evaluating the skills and abilities of those first to arrive on the scene or witness emerging situations where medical or injuries are paramount.

Business Rules: *Records submitted with any Incident Disposition **must** have a Prior Aid entry. **Only one (1)** item from the above data item list can be submitted. Records with an invalid entry will be marked as non-compliant by the system.*

Technical Comments:

77 *Other*

This is to be coded when an individual not listed in the data item list provided the prior aid.

88 *Not Applicable*

This is to be coded if the incident would not receive any prior assistance or aid, such as a standby.

98 *Unknown*

This is to be coded if prior aid was rendered but the report writer is unsure what affiliation the aid came from.

92.

Name of Data Element:	Receiving Agency
Priority:	Essential
Definition:	Specific Health Care Facility or Prehospital Agency that received patient from EMS provider providing this record.
Code:	Numeric entry.
Field Length:	7
Field Starting and Ending Position:	596 - 602
Data Items	
<p>{7 digit Health Facility Number} Refer to Appendix B {7 digit EMS Agency Number} Refer to Appendix A</p> <p>9999999 Unknown</p>	

Content: This element consists of the unique 7-digit number as assigned by the Iowa Department of Public Health, Bureau of EMS for approved health care facilities and EMS agencies.

Business Rules: *Records submitted with an Incident Disposition of “Treated, transported...”, ‘Care Transferred’ must have a Receiving Agency entered.* Records with a missing or invalid entry will be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this field must be submitted with the appropriate number of spaces.

Technical Comments: This data element is used in conjunction with data elements “Destination/Transferred To” to indicate the specific receiving facility.

9999999 *Unknown*

This code should be used when the specific facility number or EMS agency number is not known.

93.

Name of Data Element:	Research 1
Priority:	Desirable
Definition:	This is an additional field that is not defined by the State and allows local or regional authorities to collect random data not defined in this data set.
Code:	Alpha/numeric entry.
Field Length:	4
Field Starting and Ending Position:	603 - 606

Content: This element consists of a four (4)-character field to allow collection of short-term data points at a local or regional level. The centralization of data leads to the chance of duplication of coding for different data items. Therefore the Iowa Department of Public Health, Bureau of EMS must assign the data item codes in an effort to prevent duplication. Agencies wishing to utilize this field must contact the EMS office to only receive the code numbers for their items they wish to track.

Business Rules: *Codes submitted in this field that were not assigned by the Iowa Department of Public Health, Bureau of EMS will not be entered into the central database and marked as non-compliant by the system. This field will not effect the overall submission of a record. If the incident is appropriate to not report this data element or this field is not used by the agency, then this field must be submitted with the appropriate number of spaces.*

Technical Comments: It is recommend that this field be left justified with entries.

94.

Name of Data Element:	Research 2
Priority:	Desirable
Definition:	This is an additional field that is not defined by the State and allows local or regional authorities to collect random data not defined in this data set.
Code:	Alpha/numeric entry.
Field Length:	4
Field Starting and Ending Position:	607 - 610

Content: This element consists of a four (4)-character field to allow collection of short-term data points at a local or regional level. The centralization of data leads to the chance of duplication of coding for different data items. Therefore the Iowa Department of Public Health, Bureau of EMS must assign the data iteming codes in an effort to prevent duplication. Agencies wishing to utilize this field must contact the EMS office to only receive the code numbers for their items they wish to track.

Business Rules: Codes submitted in this field that were not assigned by the Iowa Department of Public Health, Bureau of EMS will not be entered into the central database and marked as non-compliant by the system. This field will not effect the overall submission of a record. If the incident is appropriate to not report this data element or this field is not used by the agency, then this field must be submitted with the appropriate number of spaces.

Technical Comments: It is recommend that this field be left justified with entries.

95.

Name of Data Element:	Research 3
Priority:	Desirable
Definition:	This is an additional field that is not defined by the State and allows local or regional authorities to collect random data not defined in this data set.
Code:	Alpha/numeric entry.
Field Length:	4
Field Starting and Ending Position:	611 - 614

Content: This element consists of a four (4)-character field to allow collection of short-term data points at a local or regional level. The centralization of data leads to the chance of duplication of coding for different data items. Therefore the Iowa Department of Public Health, Bureau of EMS must assign the data iteming codes in an effort to prevent duplication. Agencies wishing to utilize this field must contact the EMS office to only receive the code numbers for their items they wish to track.

Business Rules: Codes submitted in this field that were not assigned by the Iowa Department of Public Health, Bureau of EMS will not be entered into the central database and marked as non-compliant by the system. This field will not effect the overall submission of a record. If the incident is appropriate to not report this data element or this field is not used by the agency, then this field must be submitted with the appropriate number of spaces.

Technical Comments: It is recommend that this field be left justified with entries.

96.

Name of Data Element:	Research 4
Priority:	Desirable
Definition:	This is an additional field that is not defined by the State and allows local or regional authorities to collect random data not defined in this data set.
Code:	Alpha/numeric entry.
Field Length:	4
Field Starting and Ending Position:	615 - 618

Content: This element consists of a four (4)-character field to allow collection of short-term data points at a local or regional level. The centralization of data leads to the chance of duplication of coding for different data items. Therefore the Iowa Department of Public Health, Bureau of EMS must assign the data iteming codes in an effort to prevent duplication. Agencies wishing to utilize this field must contact the EMS office to only receive the code numbers for their items they wish to track.

Business Rules: Codes submitted in this field that were not assigned by the Iowa Department of Public Health, Bureau of EMS will not be entered into the central database and marked as non-compliant by the system. This field will not effect the overall submission of a record. If the incident is appropriate to not report this data element or this field is not used by the agency, then this field must be submitted with the appropriate number of spaces.

Technical Comments: It is recommend that this field be left justified with entries.

97.

Name of Data Element:	Dataset Version
Priority:	Mandatory
Definition:	Reports the version of the dataset format being used.
Code:	Numeric entry.
Field Length:	2
Field Starting and Ending Position:	619 - 620

Content: This element consists of a two (2)-character field used to track the version of the dataset the reported record's format is. Allows for tracking of changes in dataset and submission of old ASCII files. This will allow for backwards processing of old submission records.

Business Rules: *All Records submitted must have a Dataset Version entered.* Records with missing or an invalid entry will be rejected and marked as non-compliant by the system.

Technical Comments: The value for this field for this dataset is '01'.

Agency No.	Agency Name	Agency No.	Agency Name
	Calhoun County		Clarke County
2130800	Farnhamville EMS	2200100	Clarke Co Ambulance Service
2130300	Lake City Ambulance Department		
2130400	Lohrville Ambulance Service		Clay County
2130500	Manson Ambulance Service	2210400	Everly Fire and Rescue
2130600	Pomeroy Fire and Ambulance	2210200	Peterson CRU
2130700	Rockwell City Ambulance	2210100	Spencer Hospital Ambulance
	Carroll County		Clayton County
2140100	Carroll Co Ambulance Service	2220100	Central Ambulance Service
2140400	Carroll Co. Ambulance	2220200	Guttenberg Ambulance Service
2140500	Templeton First Response Unit	2220300	MarMac Emergency Squad
	Cass County	2221000	MFL Ambulance Service Inc
2150100	Anita Volunteer Fire & Rescue	2220500	Strawberry Point Ambulance
2150700	Atlantic Medivac Amb Serv		
2150200	Cumberland Vol Fire Dept	2230100	Clinton County
2150300	Griswold Fire & Rescue	2230200	Andover Ambulance Service
2150400	Massena Fire & Rescue	2230300	Camanche Fire Department
	Cedar County	2236300	Clinton Fire Dept - Ambulance
2160500	Bennett Ambulance Service	2230400	Delmar Volunteer Fire Dept
2160700	Clarence Ambulance Service	2230500	DeWitt Ambulance Service
2160600	Durant Volunteer Amb Inc.	2230900	MEDIC EMS - Clinton
2160100	Mechanicsville Ambulance		Wheatland EMS Ambulance
2160200	Stanwood Ambulance Service	2240200	
2160300	Tipton Ambulance Service	2240100	Crawford County
	Cerro Gordo County	2240300	Crawford County Ambulance
2170300	Mercy Care Ambulance Service		Dow City Arion Fire & Rescue
2170100	Snells Ambulance Service	2250200	Manilla Ambulance
	Cherokee County	2250500	
2180600	Marcus Fire Dept Ambulance	2258300	Dallas County
2180500	Sioux Valley Prehospital Care		Dallas Co EMS
	Chickasaw County	2260200	Granger Community Ambulance
2190400	Chickasaw Ambulance AV		Waukee Fire Rescue
2190500	Chickasaw Ambulance NH		Davis County
2190200	Chickasaw Ambulance Fburg		Davis County Hospital - EMS
2190300	Chickasaw Ambulance Nashua		
		2270100	Decatur County
			Decatur Co Hospital Ambulance
		2280500	Delaware County
		2286400	Colesburg Ambulance Department
			Delhi First Responders

Agency No.	Agency Name	Agency No.	Agency Name
2280900	Earlville Fire Department	2340300	Nora Springs Vol Ambulance
2281200	Edgewood Ambulance Service		
2280700	Hopkinton Ambulance Service		
2280600	Regional Medical Center of NE	2350300	Franklin County Franklin General Hospital Amb.
	Des Moines County		Fremont County
2290100	Burlington Fire/Ambulance	2360700	Farragut Fire & Rescue
2290300	IA Army Ammunition Plant-Amb	2360100	Hamburg Vol Fire Dept Rescue
2290400	Mediapolis Community Ambulance	2360600	Percival Fire & Rescue
2290600	Superior Ambulance Service	2360800	Randolph Rescue
	Dickinson County	2360200	Riverton Fire & Rescue
2300200	Lake Park Rescue	2360300	Sidney Fire and Rescue
2300100	Lakes Regional Healthcare-MICS	2360400	Tabor Vol Ambulance
2300300	Terril First Responders	2360500	Thurman Rescue
	Dubuque County		Green County
2311000	Asbury Fire Department	2370300	Churdan Fire/Rescue
2311600	Bernard Fire and Rescue	2370200	Grand Junction Rescue Unit
2310400	Bi-County Ambulance Inc	2370100	Greene County EMS Inc
2310600	Dubuque Fire Department	2370500	Scranton Fire Rescue Unit
2310700	Epworth Emergency Service		Grundy County
2310300	Heartland Reg Paramedic Svc	2380600	City of Grundy Center Amb
2310900	Holy Cross Volunteer Fire Dept	2380100	Dike Vol Fire and Ambulance
2310200	Reiff Ambulance Cascade	2380300	Reinbeck Fire & Rescue Dept
2310800	Reiff Ambulance Farley	2380400	Wellsburg FD Ambulance
2316000	Sherrill Fire & Rescue Dept.		Guthrie County
	Emmet County	2390100	Bagley Community Ambulance
2320300	Armstrong EMS Service	2390700	Bayard Ambulance Service
2320100	Estherville Ambulance Service	2390300	Guthrie Center Fire & Rescue
2320200	Ringsted Benifited Fire Dept	2390800	Menlo Fire and Rescue
	Fayette County	2390400	Panora Rescue Squad
2330800	Area Ambulance Elgin	2390500	Stuart Rescue Unit
2330700	Area Ambulance Clermont		Hamilton County
2330900	Arlington Area Ambulance	2406200	Ellsworth First Responders
2330200	Fayette Ambulance Service	2400400	Hamilton Hospital Amb. Service
2330400	Northeast Ia.Medical Tran.Inc	2400100	Jewell Fire & Rescue
2330300	Oelwein Area Ambulance	2400200	Kamrar Fire & Rescue
	Floyd County	2400500	Performance EMS
2340200	American Medical Response(AMR)	2400300	Stratford Rescue Unit
		2400600	Williams Rescue and Ambulance

Agency No.	Agency Name	Agency No.	Agency Name
	Hancock County		Jackson County
2410400	Garner Vol Ambulance Service	2490100	Bellevue Ambulance Service
2410500	West Hancock Ambulance Service	2490700	Community Ambulance Miles
		2490600	Community Ambulance Preston
		2490500	Jackson Co Ambulance Service
	Hardin County	2490400	Sabula Ambulance Service
2420100	Ackley Vol Ambulance Service	2496400	Springbrook Fire and EMS
2420300	American Medical Response		
2420200	Eldora Emergency Med Service		Jasper County
2420700	Hubbard Ambulance Service	2500100	Baxter Rescue Unit
2420600	Radcliffe Ambulance Service	2500200	Colfax Fire Department
2420500	Union Emergency Service	2500300	Kellogg Fire & Ambulance Dept
		2500800	Monroe Fire Department
	Harrison County	2500400	Newton Fire Department
2430100	Dunlap Fire & Rescue	2500500	Prairie City Ambulance
2430200	Logan Fire Rescue Association	2500600	Reasnor Fire & Ambulance
2430300	Missouri Valley Fire & Rescue	2500700	Sully Rural Fire & Ambulance
2430400	Mondamin Fire & Rescue Inc		
2430500	Persia Fire & Rescue		Jefferson County
2430700	Woodbine Rescue	2510100	Jefferson County Ambulance
	Henry County		Johnson County
2440400	HCHC - EMS	2520300	Johnson County Ambulance
		2520400	SE Iowa Ambulance Service Inc
	Howard County		
2450300	Reg.Health Services/Howard Co.		Jones County
		2530100	Anamosa Area Ambulance Service
	Humboldt County	2530400	Midland Community Ambulance
2460100	Gilmore City Ambulance	2530200	Monticello Ambulance Service
2460200	Humboldt Ambulance Service	2536000	Morley First Responders
2460300	Renwick Ambulance Service	2530500	Olin Ambulance Service
		2530300	Oxford Junction Fire Dept
	Ida County		
2470100	Battle Creek Comm Amb Serv		Keokuk County
2470300	Community Ambulance Service	2540500	Keokuk County Ambulance Service
2470200	Holstein Fire Department		
	Iowa County		Kossuth County
2480400	Iowa Co Ambulance-Williamsburg	2550100	Algona Ambulance Service
2480500	Iowa County Ambulance Service	2550800	Bancroft Ambulance Service
		2551000	Lakota Ambulance Service

Agency No.	Agency Name	Agency No.	Agency Name
2550600	Sentral Area Ambulance	2630400	Melcher Dallas Fire & Rescue
2550400	Swea City Fire Dept Ambulance	2630900	Pella Community Ambulance
2550500	Titonka Ambulance Service	2630700	Pleasantville EMS
2550900	Whittemore Ambulance Service		
	Lee County	2640100	Marshall County Marshalltown Paramedic Service
2560300	Lee Co EMS Ambulance - Keokuk	2646000	State Center First Responder
2560200	Lee Co EMS Ambulance-Ft Madison		
2560100	Lee County EMS Ambulance		Mills County Emerson Rescue
	Linn County	2650800	Glenwood Vol Fire Dept
2570200	Area Ambulance Service	2650700	Malvern Volunteer Rescue Inc
2570600	Benton Linn Ambulance Service	2650200	Pacific Jct Vol Ambulance
2570300	Center Point Ambulance Service	2650400	Silver City Ambulance Service
2570700	Lisbon Mt Vernon Ambulance	2650300	
2578100	Marion Fire Department		Mitchell County Mitchell Co Ambulance Service
2570400	Northeast Linn Ambulance Serv	2660100	Riceville Amb Service Inc
	Louisa County	2660300	
2580100	Louisa Co Responders-Ambulance		Monona County Burgess Hospital Ambulance
2580400	Louisa County Responders-Letts	2670200	Mapleton Ambulance Service
2580200	Morning Sun Comm Ambulance	2670600	Moorhead Rescue
2580300	Wapello Community Ambulance	2670400	Ute Ambulance Service
	Lucas County	2670700	Whiting Vol Fire
2590100	Lucas County Health Center Amb	2670800	Monroe Co Ambulance
	Lyon County	2680100	
2600300	Inwood Rescue		Montgomery County Elliott First Response Team
2600200	Little Rock EMS	2690600	Red Oak Fire Department
2600100	Lyon County Ambulance	2690200	Stanton Fire & Rescue
	Madison County	2690400	Villisca Ambulance Service
2610200	Madison County Ambulance	2690500	
	Mahaska County	2700200	Muscatine County Muscatine Fire Department
2620500	Fremont Ambulance Unit	2700700	West Liberty Vol Fire Dept
2620100	Mahaska Hospital Ambulance		
2620200	New Sharon Vol Fire Department		O'Brien County Archer Ambulance Service
	Marion County	2710900	Hartley Ambulance (HEART)
2636100	Clay Township Fire Rescue	2710200	Paullina Ambulance Service
2630800	Knoxville Fire and Rescue	2710300	Primghar Ambulance
		2710400	Sanborn Ambulance Service
		2710500	

Agency No.	Agency Name	Agency No.	Agency Name
2710700	Sheldon Comm Ambulance Team	2771800	Bondurant Emergency Services
2710600	Sutherland Fire/Rescue/Amb	2770300	Clive Fire Department
	Osceola County	2771400	Des Moines Fire Department #1
2726100	Ashton Comm Emergency Serv	2771410	Des Moines Fire Department #10
2720300	OCAS/Melvin Division	2771403	Des Moines Fire Department #3
2720400	OCAS/Ocheyedan Division	2771404	Des Moines Fire Department #4
2720200	OCAS/Sibley Division	2771405	Des Moines Fire Department #5
	Page County	2771406	Des Moines Fire Department #6
2730600	Braddyville Rescue	2771408	Des Moines Fire Department #8
2730900	C M H Emergency Med Serv	2771409	Des Moines Fire Department #9
2730200	Coin Fire & Rescue	2772300	Fraser Medical Services
2730300	College Springs Vol Fire Dept	2771500	Grimes Fire & Rescue Dept
2731000	Essex Fire and Rescue Dept	2770800	Johnston Fire & Rescue
2730800	Shenandoah Ambulance Service	2772100	LIFELINE Ambulance Service Inc
	Palo Alto County	2773200	Mercy Medical Center-DSM
2740300	PACA/Graettinger	2772000	Midwest Amb Service of Ia Inc
2740400	PACA/Ruthven	2772700	Mitchellville Fire Department
2740200	PACA/West Bend	2772600	Northern Warren Fire Department
2740100	PACH Ambulance	2770700	Pleasant Hill Fire Dept
	Plymouth County	2771000	Polk City Vol Fire & Rescue
2750200	Hinton Ambulance	2771100	Runnells Fire Department
2750300	Kingsley Ambulance Service	2771600	Saylor Township Fire Dept
2750900	LeMars Ambulance Service	2771200	Urbandale Fire Department
2750400	LeMars Fire Rescue	2771300	West Des Moines EMS
2751000	Merrill Ambulance Service	2770600	Windsor Heights Fire Dept
2750700	Oyens Volunteer Fire Rescue		Pottawattamie County
2750800	Remsen Ambulance Service	2780100	Avoca Vol Rescue & Fire
2750100	Siouxland Paramedics/Akron	2781000	Carter Lake Fire & Rescue
	Pocahontas County	2780200	Council Bluffs Fire Dept
2760100	Fonda Ambulance Service	2781200	Crescent Rescue
2761000	Laurens Ambulance Service	2781300	Lewis Township Vol Fire Dept
2760200	Pocahontas Ambulance Service	2780300	Macedonia Vol Fire Department
2760300	Rolfe Area Ambulance	2780400	Minden Vol Fire & Rescue
	Polk County	2780500	Neola Vol Fire Dept
2770100	Altoona Fire Department	2780600	Oakland Vol Fire & Rescue
2770900	American Ambulance	2781100	Rural/Metro Amb.-Council Bluffs
2770200	Ankeny Fire Department	2780700	Treynor Ambulance Service
		2780900	Underwood Rescue
		2780800	Walnut Fire Department
			Poweshiek County
		2790600	East Poweshiek Ambulance

Agency No.	Agency Name	Agency No.	Agency Name
2790700	Midwest Ambulance Serv of Iowa	2850200	Story County Medical Center
2790300	Montezuma Fire Department		
	Ringgold County		Tama County
2800300	Ringgold County Ambulance	2860100	Dysart Ambulance Service
	Sac County	2860200	Elberon Volunteer Fire Rescue
2810500	Sac County Ambulance/Lake View	2860300	Garwin Ambulance Service
2810600	Sac County Ambulance/Odebolt	2860400	Gladbrook Lincoln Ambulance
2810300	Sac County Ambulance/Sac City	2860500	Tama Emergency Services
2810400	Sac County Ambulance/Schaller	2860600	Toledo Emergency Service
	Scott County	2860700	Traer Ambulance Service
2820800	Buffalo Volunteer Ambulance		Taylor County
2821000	MEDIC	2870100	Bedford Ambulance Service
2821200	MEDIC - Bettendorf	2870200	Blockton Ambulance Service
2821100	MEDIC - Eldridge	2870600	Lenox Ambulance Service
2821500	MEDIC EMS - LeClaire	2870400	New Market Vol Fire Dept
	Shelby County	2880200	Greater Comm Hosp Ambulance
2830600	Earling Fire and Rescue		Van Buren County
2830900	Elk Horn Fire and Rescue	2890900	Farmington EMS
2830400	Irwin Volunteer Rescue Squad	2891000	Van Buren County Ambulance
2830700	Medivac Ambulance Rescue Corp		Wapello County
2830800	Shelby Fire and Rescue	2900900	Blakesburg First Responders
	Sioux County	2900700	Eddyville Volunteer Fire Dept
2841000	Alton Ambulance	2900800	ORMICS
2840900	Boyden Ambulance		Warren County
2840800	Granville Fire & Rescue	2910100	Carlisle Fire Rescue
2840200	Hawarden Ambulance Association	2911100	Hartford Vol Fire & Rescue
2840600	Hospers Ambulance Service	2910700	Indianola Fire Department
2840300	Hull Ambulance and Rescue	2910500	Lacona Fire Rescue
2840700	Ireton Rescue Squad	2910800	Martensdale Fire Rescue
2840500	Orange City Comm Amb Service	2910200	Milo Fire Rescue
2840100	Rock Valley Ambulance Assoc.	2910300	Norwalk Fire Department
2840400	Sioux Center Ambulance	2910600	Virginia Twp Fire Rescue
	Story County		Washington County
2856500	Colo Fire and Rescue	2920100	Washington Co Ambulance
2850100	Mobile Intensive Care Service	2920500	Wellman Volunteer Ambulance
2850300	Story City Ambulance Service		

Agency No.	Agency Name	Agency No.	Agency Name
	Wayne County	8000100	Air & Mobile Critical Care
2930100	Wayne County Ambulance Service	8000900	Air Evac Lifeteam 5
	Webster County	2001200	American Ambulance Service
2940500	Clare Rescue	8001600	Heartland AirMed
2940300	Dayton Rescue Squad Inc	2001500	Interstate EMS of PDC Inc
2940400	SW Webster Ambulance Service	8000300	Life Flight - DSM
2940100	Trinity Regional Amb Service	8000400	Lifeguard Air Ambulance
2940200	Vincent Vol Ambulance Service	8000500	Mercy Air Care
	Winnebago County	8000200	Mercy Air Life - DSM
2950100	Buffalo Ct Vol Amb Service	8000800	Mercy Air Life North Iowa
2950200	Forest City Ambulance Service	2001300	Omaha Ambulance Service
2950400	Lake Mills Ambulance Service	8001700	Quad City Helicopter EMS
2950300	Thompson Rescue Unit	2001100	Rural /Metro Ambulance-Omaha
2950500	Winnebago Industries Ambulance	2001000	Trinity Ambulance Service
	Winneshiek County		
2960200	Ossian Ambulance Service		
2960100	Winneshiek Co Paramedic Services		
	Woodbury County		
2970100	Anthon Rescue Squad		
2971700	Bronson Community Ambulance		
2970300	Correctionville Fire & Rescue		
2970400	Cushing Fire Department		
2971800	Danbury Community Ambulance		
2972400	Lawton Ambulance		
2970600	Moville Ambulance Rescue Squad		
2972100	Oto Community Ambulance Serv		
2970700	Pierson Ambulance		
2970800	Salix Fire and Rescue		
2972300	Sergeant Bluff Fire & Rescue		
2970500	Siouxland Paramedics Inc		
2971200	Sloan Fire & Rescue		
	Wright County		
2990100	Belmond Vol Ambulance Service		
2990200	Clarion Ambulance Service		
2990400	Dows Ambulance Service		
2990300	Eagle Grove Department of EMS		

Other

Appendix B Health Facility List

ID	Name	ID	Name
	Hospitals	9620092	Mahaska County Hospital
9780105	Alegent Health-Mercy Hospital	9640007	Marshalltown Medical & Surgical Center
9070034	Allen Memorial Hospital	9850040	Mary Greeley Medical Center
9770032	Broadlawns Medical Center	9180121	Mental Health Inst - Cherokee
9110166	Buena Vista Regional Medical Center	9440104	Mental Health Inst - Mount Pleasant
9670082	Burgess Health Center - Sloan	9730132	Mental Health Inst - Clarinda
9150145	Cass County Memorial Hospital	9100068	Mental Health Inst - Independence
9070137	Covenant Medical Center	9520074	Mercy Hospital – IA City
9240173	Crawford County Memorial Hospital	9570036	Mercy Medical Center - Cedar Rapids
9420156	Ellsworth Municipal Hospital	9040050	Mercy Medical Center-Centerville
9750004	Floyd Valley Hospital	9230056	Mercy Medical Center-Clinton
9560087	Fort Madison Community Hospital	9770158	Mercy Medical Center-Des Moines
9820011	Genesis Medical Center	9310003	Mercy Medical Center-Dubuque
9650152	Glenwood Resource Center	9311003	Mercy Medical Center - Dyersville
9290147	Great River Medical Center	9770033	Mercy Medical Center-Mercy Capitol
9880053	Greater Community Hospital	9170023	Mercy Medical Center-North Iowa
9790016	Grinnell Regional Medical Center	9970112	Mercy Medical Center-Sioux City
9400120	Hamilton County Public Hospital	9690075	Montgomery County Memorial Hospital
9440047	Henry County Health Center	9710093	Northwest Iowa Health Center
9770078	Iowa Lutheran Hospital	9840071	Orange City Municipal Hospital
9520129	Iowa Medical & Classification Center	9900055	Ottumwa Regional Health Center
9770079	Iowa Methodist Medical Center	9740045	Palo Alto County Hospital
9510063	Jefferson County Hospital	9630165	Pella Regional Health Center
9780039	Jennie Edmundson Memorial Hospital	9800167	Ringgold County Hospital
9300028	Lakes Regional Healthcare	9070059	Sartori Memorial Hospital
9810135	Loring Hospital	9830103	Shelby County Myrtue Memorial

ID	Name	ID	Name
	Hospital	9783863	Avoca Physicians Clinic
9730065	Shenandoah Medical Center	9893997	Birmingham Medical Clinic
9180094	Sioux Valley Memorial Hospital	9893451	Bonaparte Rural Health Center
9500041	Skiff Medical Center	9973483	Burgess Health Center - Onawa
9210037	Spencer Municipal Hospital	9893996	Cantril Medical Clinic
9140090	St Anthony Regional Hospital	9943475	Community Clinic
9570066	St Luke's Methodist Hospital	9383421	Conrad Family Clinic
9970180	St Luke's Regional Medical Center	9978934	Correctionville Mercy Medical Clinic
9310020	The Finley Hospital	9453493	Cresco Medical Clinic
9820042	Trinity Medical Center North	9053869	Cunningham Family Health Care Center
9940001	Trinity Regional Medical Center	9253878	Dallas Center Medical Associates
9700005	Unity Health System	9868922	Deer Creek Family Care
9520017	University Of Iowa Hospitals & Clinics	9098907	Denver Family Practice
9930027	Wayne County Hospital	9893998	Douds Medical Clinic
9960127	Winneshiek County Memorial Hospital	9123979	Dumont Clinic
9080069	Woodward Resource Center	9433470	Dunlap Family Medicine Clinic
	Rural Health Clinics	9613486	Earlham Medical Clinic
9013888	Adair Medical Center	9288936	Edgewood Clinic
9753830	Akron Family Practice Clinic	9318924	Family Health Ctr - Cascade
9873479	Alegent Health-Bedford Clinic	9693464	Family Health Ctr - Villisca
9433476	Alegent Health-Dunlap Clinic	9228942	Family Medical Asso. - Garnavillo
9873478	Alegent Health-Lenox Clinic	9288911	Family Medicine Asso. - Edgewood
9433431	Alegent Health-Logan Clinic	9228902	Family Medicine Asso. - Guttenberg
9433433	Alegent Health-Missouri Valley Clinic	9673831	Family Medicine Cln - Onawa
9023480	Alegent Health-Rosary Medical Clinic	9743482	Family Practice Cln - Emmetsburg
9433477	Alegent Health-Woodbine Clinic	9743472	Family Practice Cln - Graettinger
9128905	Allison Family Practice	9743417	Family Practice Cln - West Bend
9333438	Arlington Clinic	9893452	Farmington Medical Clinic
9053853	Audubon Medical Clinic	9993987	Franklin Medical Ctr - Dows

ID	Name	ID	Name
9353420	Franklin Medical Ctr - Hampton	9353463	Latimer Clinic
9333881	Gundersen Clinic - West Union	9873469	Lenox Medical Clinic
9333891	Gundersen Clinic - Elgin	9453494	Lime Springs Medical Clinic
9333818	Gundersen Clinic - Fayette	9933435	Lineville Medical Clinic
9873456	Hardin Medical Clinic	9163841	Lowden Family Medical Clinic
9713492	Hartley Mercy Medical Center	9288938	Manchester Family Associates Pc West
9848933	Hawarden Mercy Medical Clinic	9283885	Manchester Family Med Asso - Manchester
9613410	Health Trust Physicians Clinic	9288940	Manchester Family Med Asso - Colesburg
9253857	Heartland Family Health Associates	9678935	Maple Valley Mercy Medical Clinic
9473856	Holstein Family Practice Associates	9363834	Medical Clinic - Hamburg
9283884	Hopkinton Family Medical Center	9363836	Medical Clinic - Tabor
9423825	Hubbard Medical Clinic	9363833	Medical Clinic - Sidney
9338904	Integra Health - Oelwein	9958948	Mercy Family Clinc
9128903	Integra Health - Parkersburg	9713462	Mill Creek Family Practice
9163898	Iowa Health Physicians - Clarence	9033882	Miller-Gunderson Clinic
9533894	Iowa Health Physicians - Anamosa	9663467	Mitchell Cty Reg Health Ctr - Stacyville
9168900	Iowa Health Physicians - Tipton	9663445	Mitchell Cty Reg Health Ctr - St Ansgar
9168910	Iowa Health Physicians - Mechanicsville	9663454	Mitchell Cty Reg Health Ctr - Osage
9063896	Iowa Health Physicians - Vinton	9503449	Monroe Family Health Center
9068908	Iowa Health Physicians - Shellsburg	9583850	Morning Sun Medical Clinic
9068901	Iowa Health Physicians - Keystone	9973890	Moville Area Medical Clinic
9893453	Keosauqua Rural Health Center	9393481	Panora Medical Clinic
9543450	Keota Community Clinic	9713488	Paullina Mercy Medical Clinic
9833840	Kimballton Medical Clinic	9603843	Pioneer Medical Center
9753846	Kingsley Medical Clinic	9713490	Primghar Mercy Medical Clinic
9553437	Kossuth Family Health Ctr - Algona	9138930	Rockwell City Clinic
9553976	Kossuth Family Health Ctr - Bancroft	9713875	Sanborn Medical Clinic
9308909	Lake Park Community Health Care	9788914	Shelby Medical Clinic
9033892	Lansing Clinic		

ID	Name	ID	Name
9713859	Sheldon Family Practice Associates	9211004	Iowa Eye Institute
9183487	Sioux Valley Medical Asso - Cherokee	9771002	Mercy Terrace Hill Surgery Center
9473441	Sioux Valley Medical Asso - Holstein	9821007	Mississippi Valley Surgery Center
9893995	Stockport Medical Clinic	9771013	Orthopaedic Outpatient Surgery Center Lc
9223862	Strawberry Point Medical Center	9571016	Outpatient Surgery Center Of Cedar Rapid
9503455	Sully Family Health Center	9231012	Quality Surgicenter
9093879	Sumner Medical Clinic	9821001	Spring Park Surgery Center
9713489	Sutherland Mercy Medical Clinic	9771015	The Iowa Clinic Endoscopy Center
9863439	Tama Medical Center	9311010	Tri State Surgery Center
9768925	Trimark Physicians Group - Pocahontas	9771009	Westown Ambulatory Center
9468917	Trimark Physicians Group - Humboldt		Nursing Facility
9138947	Trimark Physicians Group - Manson	9960338	Aase Haugen Home
9768944	Trimark Physicians Group - Fonda	9390706	Adair Community Health Center
9768926	Trimark Physicians Group - Laurens	9250229	Adel Acres Care Center
9818918	Trimark Physicians Group - Sac City	9880525	Afton Care Center
9998916	Trimark Physicians Group - Eagle Grove	9750085	Akron City Convalescent Care Center
9818919	Trimark Physicians Group - Lake View	9550144	Algona Good Samaritan Center
9063485	Urbana Family Medical Clinic	9550274	Algona Manor Care Center
9063468	Van Horne Family Medical Clinic	9120141	Allison Health Care Center
9063461	Vinton Family Medical Clinic	9530253	Anamosa Care Center
9813400	Wall Lake Medical Clinic	9440495	Arbor Court
9583849	Wapello Medical Clinic	9150588	Atlantic Nursing & Rehab Center
9038913	Waukon Clinic	9520921	Atrium Village
9853460	Zearing Medical Clinic	9780196	Avoca Nursing & Rehab Center
	Ambulatory Surgical Center	9500681	Baxter Health Care Center
9231011	Gateway Surgery Center	9390003	Bayard Nursing & Rehab Center
9771000	Healthsouth Surgery Center Of Des Moines	9870328	Bedford Nursing & Rehab Center
9771006	Iowa Endoscopy Center	9060579	Belle Plaine Nursing & Rehab Center
		9990447	Belmond Health Care Center

ID	Name	ID	Name
9310307	Bethany Home	9590114	Chariton Nursing & Rehab Center
9780207	Bethany Lutheran Home	9340392	Chautauqua Guest Home #2
9850220	Bethany Manor	9340164	Chautauqua Guest Home #3
9820880	Bettendorf Health Care Center	9180592	Cherokee Villa Nursing & Rehab Center
9770885	Bishop Drumm Care Center	9770916	Childserve Habilitation Center
9810547	Black Hawk Life Care Center	9160149	Clarence Nursing Home
9260208	Bloomfield Care Center	9800132	Clearview Home – Mt. Ayr
9750130	Brentwood Good Samaritan Center	9870315	Clearview Home - Clearfield
9790412	Brooklyn Community Estates	9480217	Colonial Manor Of Amana
9100101	Buchanan County Health Center	9150366	Colonial Manor Of Anita
9110129	Buena Vista Manor Care Center	9580135	Colonial Manor Of Columbus Junction
9290249	Burlington Care Center	9450794	Colonial Manor Of Elma
9770022	C L C Altoona	9850252	Colonial Manor Of Zearing
9140044	C L C Carroll	9010182	Community Care Center
9250039	C L C Granger	9710779	Community Memorial Health Center
9370034	C L C Jefferson	9120205	Community Nursing Home
9910532	C L C Norwalk	9410334	Concord Care Center
9770631	C L C Polk City	9020576	Corning Nursing & Rehab Center
9770502	C L C University	9970340	Correctionville Nursing & Rehab Center
9770368	Calvin Manor	9930336	Corydon Nursing & Rehab Center
9180063	Careage Hills	9570783	Cottage Grove Place-The Club
9500607	Careage Of Newton	9180966	Country Side Estates
9910796	Carlisle Care Center	9070529	Country View
9140024	Carroll Health Center	9720464	Country View Manor
9970125	Casa De Paz Health Care Center	9970370	Countryside Retirement Home
9070215	Cedar Falls Health Care Center	9450905	Cresco Care Center
9070154	Cedar Falls Lutheran Home	9880066	Crest Haven Care Centre
9160886	Cedar Manor	9880332	Creston Nursing & Rehab Center
9040578	Centerville Nursing & Rehab Center	9490974	Crestridge Care Center

ID	Name	ID	Name
9570975	Crestview Acres	9240324	Eventide Lutheran Home
9400343	Crestview Manor	9050106	Exira Care Center
9160589	Crestview Nursing & Rehab Center	9660081	Faith Lutheran Home
9290870	Danville Care Center	9820846	Fejervary Health Care Center
9820472	Davenport Good Samaritan Center	9600572	Fellowship Village
9820211	Davenport Lutheran Home	9770692	Fleur Heights Care Center
9240006	Denison Care Center	9760518	Fonda Nursing & Rehab Center
9090099	Denver Sunset Home	9010371	Fontanelle Good Sam Ctr
9560614	Donnellson Health Center	9950267	Forest City Good Sam Ctr
9310600	Dubuque Nursing & Rehab Center	9940690	Fort Dodge Villa Care Center
9120888	Dumont Wellness Center	9560195	Fort Madison Health Center
9430079	Dunlap Nursing & Rehab Center	9770231	Fountain West Health Center
9230059	Eagle Point Nursing & Rehab Center	9350006	Franklin General Hospital
9100283	East Towne Care Center	9940037	Friendship Haven
9080268	Eastern Star Masonic Home	9050124	Friendship Home Association
9280322	Edgewood Convalescent Home	9790312	Friendship Manor Care Centre
9420076	Eldora Nursing & Rehab Center	9070429	Friendship Village Retirement Center
9070054	Elizabeth E Martin Health Center	9730056	Garden View Care Center
9220240	Elkader Care Center	9770707	Genesis Senior Living Center
9830051	Elm Crest Retirement Community	9600460	George Good Samaritan Center
9730860	Elm Heights Care Center	9620767	Georgian Court Of Oskaloosa
9670321	Elmwood Care Centre	9650355	Glen Haven Home
9970471	Embassy Rehab & Care Center	9040983	Golden Age Skilled Nursing & Rehab
9740026	Emmetsburg Care Center	9730781	Goldenrod Manor Care Center
9480239	English Valley Care Center	9280358	Good Neighbor Home
9310764	Ennoble Manor Care Center	9170219	Good Shepherd Health Center
9320123	Estherville Good Samaritan Center	9940083	Gowrie Care Center
9080243	Evangelical Free Church Home	9940127	Grandview Health Care Ctr - Dayton
9450329	Evans Memorial Home	9330350	Grandview Healthcare Ctr - Oelwein

ID	Name	ID	Name
9640686	Grandview Heights	9840877	Hillcrest Health Care Services
9860817	Grandview Nursing L L C	9090362	Hillcrest Home
9820293	Grandview Terrace	9300353	Hilltop Care Center
9220074	Great River Care Center	9470420	Holstein Good Samaritan Center
9850536	Green Hills Health Center	9970145	Holy Spirit Retirement Home
9010620	Greenfield Manor Inc	9760020	Hovenden Memorial Good Samaritan Ctr
9940016	Greenleaf Health Care	9420999	Hubbard Care Center
9520101	Greenwood Manor	9460216	Humboldt Care Center North
9630389	Griffin Nursing Center	9460116	Humboldt Care Center South
9150033	Griswold Care Center Inc	9970341	Indian Hills Nursing & Rehab Center
9380377	Grundy Care Center	9780151	Indian Hills Nursing Center
9220982	Guttenberg Care Center	9910035	Indianola Good Samaritan Center
9920323	Halcyon House	9520052	Iowa City Rehab & Health Care Ctr
9570963	Hallmark Care Ctr - Mount Vernon	9770384	Iowa Jewish Senior Life Center
9970179	Hallmark Care Ctr - Sioux City	9820296	Iowa Masonic Health Facilities
9350330	Hampton Health Care Center	9170134	Iowa Odd Fellows & Orphans Home
9750380	Happy Siesta Health Care Center	9640108	Iowa Veterans Home
9070357	Harmony House Health Care Center	9820128	Kahl Home For Aged & Infirm
9180689	Heartland Care Center	9410433	Kanawha Community Home
9770236	Heather Manor	9770275	Karen Acres Healthcare Center
9420925	Heritage Care Ctr - Iowa Falls	9560133	Keokuk Convalescent Center
9170260	Heritage Care Ctr - Mason City	9060263	Keystone Nursing Center
9840843	Heritage House - Orange City	9750184	Kingsley Nursing & Rehab Center
9150075	Heritage House - Atlantic	9950927	Lake Mills Care Center
9310463	Heritage Manor - Dubuque	9300598	Lake Park Care Center
9500884	Heritage Manor - Newton	9740436	Lakeside Lutheran Home
9570110	Heritage Nsg & Rehab Ctr - Cedar Rapids	9270594	Lamoni Nursing & Rehab Center
9550822	Heritage Nursing Home - Bancroft	9520096	Lantern Park Nursing & Rehab Center
9570660	Hiawatha Care Center	9070581	Laporte City Nursing & Rehab Center

ID	Name	ID	Name
9870126	Lenox Care Center	9940496	Marian Home
9120718	Liebe Care Center	9790277	Mayflower Home
9570847	Linn Manor Care Center	9820624	Meadow Lawn Health Care
9830346	Little Flower Haven	9160591	Mechanicsville Nursing & Rehab Center
9570245	Living Center East	9570440	Meth Wick Health Center
9570244	Living Center West	9110001	Methodist Manor Retirement Community
9520118	Lone Tree Health Care Center Inc	9780508	Midlands Living Center L L P
9210065	Longhouse-Northshire Ltd	9300685	Milford Nursing Center
9430093	Longview Home	9770477	Mill Pond Retirement Community
9310452	Luther Manor	9490158	Mill Valley Care Center
9700428	Lutheran Home Society	9770919	Mitchell Village Care Center
9980326	Lutheran Retirement Home	9680490	Monroe Care Center
9600115	Lyon Manor Nursing & Rehab Center	9790180	Montezuma Nursing & Rehab Center
9960169	M A Barthell Home	9530729	Monticello Nursing & Rehab Center
9080797	Madrid Home For The Aging	9560835	Montrose Health Center Inc
9240486	Manilla Manor	9580349	Morning Sun Care Center
9980352	Manly Nursing & Rehab Center	9970122	Morningside Nursing & Rehabilitation Ctr
9540119	Manor House Care Center	9470912	Morningside Rehab & Care Center
9650563	Manor Of Malvern	9800564	Mount Ayr Health Care Center
9310225	Manorcare Health Services - Dubuque	9700281	Muscatine Care Center
9570374	Manorcare Health Services - Cedar Rapids	9500635	Nelson Manor
9820400	Manorcare Health Services - Davenport	9510212	Nelson Nursing Home
9070361	Manorcare Health Services - Waterloo	9190569	New Hampton Care Center
9130311	Manson Good Samaritan Center	9190741	New Hampton Nursing & Rehab Center
9330221	Maple Crest Manor	9440187	New London Nursing & Rehab Center
9670437	Maple Heights Nursing Home	9620117	New Sharon Nursing & Rehab Center
9540351	Maplewood Manor	9110005	Newell Good Samaritan Center
9490298	Maquoketa Care Center	9340755	Nora Springs Care Center

ID	Name	ID	Name
9570720	Northbrook Manor Care Center	9070582	Parkview Nursing & Rehab Center
9780853	Northcrest Care & Rehabilitation	9450478	Patty Elwood Center
9850462	Northcrest Health Care Center	9710356	Paullina Care Center
9030421	Northgate Care Center	9250714	Perry Health Care Center
9780147	Oakland Manor Nursing Home	9250186	Perry Lutheran Home
9520402	Oaknoll Retirement Residence	9840120	Pleasant Acres Care Center
9380345	Oakview Home	9630309	Pleasant Care Living Center
9170382	Oakwood Care Center	9440237	Pleasant Manor Care Center
9680150	Oakwood Nursing & Rehab Center	9620049	Pleasant Park Estates
9810297	Odebolt Nursing & Rehab Center	9670072	Pleasant View Care Center
9330363	Oelwein Health Care Center	9110376	Pleasant View Home - Albert City
9080534	Ogden Manor	9920280	Pleasantview Home - Kalona
9770700	On With Life - Ankeny	9750234	Plymouth Manor Care Center
9650726	On With Life At Glenwood	9760036	Pocahontas Manor Care Center
9960443	Oneota Riverview Care Facility	9130259	Pomeroy Care Center
9660171	Osage Rehab & Health Care Center	9030098	Postville Good Samaritan Center
9200593	Osceola Nursing & Rehab Center	9290810	Prairie Ridge Care & Rehabilitation
9960404	Ossian Senior Hospice	9710410	Prairie View Home
9990279	Ottumwa Good Samaritan Center	9710178	Primghar Rehab & Care Center
9990432	Ottumwa Manor	9770308	Ramsey Home
9390067	Panora Nursing & Rehab Center	9070583	Ravenwood Nursing & Rehab Center
9500773	Park Centre	9690391	Red Oak Good Samaritan Center
9810140	Park View Care Center	9690094	Red Oak Rehab & Care Center
9290250	Park View Care Center Of Burlington Llc	9910845	Regency Care Center
9770185	Parkridge Nursing & Rehab Center	9660261	Riceville Community Rest Home
9510388	Parkview Care Center	9820407	Ridgecrest Village
9440318	Parkview Home	9990335	Ridgewood Nursing & Rehab Center
9920820	Parkview Manor - Wellman	9780641	Risen Son Christian Village
9380386	Parkview Manor - Reinbeck	9560878	River Hills Village - Keokuk

ID	Name	ID	Name
9700813	Riverbend Nursing & Rehab Center	9520272	Solon Nursing Care Center
9850173	Riverside Manor	9400756	Southfield Wellness Community
9770202	Riverview Care Center	9640136	Southridge Nursing & Rehab Center
9820046	Riverview Manor	9250199	Spurgeon Manor
9600731	Rock Rapids Health Centre	9660369	St Ansgar Good Samaritan Center
9170575	Rockwell Community Nursing Home	9790736	St Francis Manor
9760761	Rolfe Care Center	9210409	St Luke Lutheran Nursing Home
9850819	Rolling Green Village	9660408	Stacyville Community Nursing Home
9480183	Rose Haven Nursing Home	9690828	Stanton Care Center
9430306	Rose Vista Home	9640152	State Center Nursing & Rehab Center
9290945	Rosebush Gardens Health Center	9310824	Stonehill Care Center
9320446	Rosewood Manor	9400069	Stratford Nursing & Rehab Center
9990337	Rotary Ann Home	9220344	Strawberry Point Lutheran Home
9250459	Rowley Memorial Masonic Home	9860470	Sunny Hill Care Center
9830061	Salem Lutheran Home	9130168	Sunny Knoll Care Centre
9340469	Salsbury Baptist Home	9770233	Sunny View Care Center
9420232	Scenic Manor	9310304	Sunnycrest Manor
9770155	Scottish Rite Park Health Care Center	9860976	Sunnycrest Nursing Center
9930181	Seymour Care Center	9860226	Sunrise Hill Care Center
9130137	Shady Oaks Care Center	9970316	Sunrise Retirement Community
9310255	Shady Rest Care Center	9440235	Sunrise Terrace Care Center
9350857	Sheffield Care Center	9180325	Sunset Knoll Inc
9120086	Shell Rock Healthcare Center	9710198	Sutherland Care Center
9720763	Sibley Nursing & Rehab Center	9360577	Tabor Manor Care Center
9360156	Sidney Health Center	9770539	The Abbey
9540814	Sigourney Care Center	9750489	The Abbey Of Lemars
9700230	Simpson Memorial Home	9850636	The Abington On Grand
9110599	Sioux Care Center	9230192	The Alverno Health Care Facility
9970721	Siouxland Nursing & Rehabilitation Cente	9390375	The New Homestead Care Center

ID	Name	ID	Name
9420418	The Presbyterian Village Of Ackley	9610812	West Bridge Care & Rehabilitation
9910708	The Village	9560646	West Point Care Center - West Point
9060733	The Vinton Lutheran Home	9570097	West Ridge Care Center - Cedar Rapids
9140430	Thomas Rest Haven	9630121	West Ridge Nursing & Rehab Center
9030754	Thornton Manor Care Center	9330406	West Union Good Samaritan Center
9950348	Timely Mission Nursing Home	9100331	West Village Care Center
9550241	Titonka Care Center	9860029	Westbrook Acres
9770825	Trinity Center At Luther Park	9430203	Westmont Care Center
9090393	Tripoli Nursing Home	9730816	Westridge Quality Care & Rehabilitation
9810342	Twilight Acres	9270214	Westview Acres Care Center
9990752	U S A Health Care Ctr - Clarion	9410815	Westview Care Center
9940900	U S A Health Care Ctr - Fort Dodge	9910176	Westview Of Indianola Care Center
9500899	U S A Health Care Ctr - Newton	9970354	Westwood Nursing & Rehab Center
9770053	U S A Health Care Ctr - Urbandale	9230997	Wheatland Manor
9170364	U S A Healthcare - Mason City	9480573	Williamsburg Care Center
9770799	Union Park Health Services	9470995	Willow Dale Wellness Center
9920303	United Presbyterian Home	9570604	Willow Gardens Care Center
9420077	Valley View Nursing & Rehab Center	9700165	Wilton Retirement Community
9770333	Valley View Village	9070586	Windsor Nursing & Rehab Center
9320167	Valley Vue Care Center	9570269	Winslow House Care Center
9890248	Van Buren Good Samaritan Center	9610902	Winterset Care Center North
9640803	Villa Del Sol	9610903	Winterset Care Center South
9690188	Villisca Good Samaritan Center	9090286	Woodland Terrace
9990687	Vista Woods Care Center	9230032	Wyndcrest Nursing Home
9580372	Wapello Nursing & Rehab Center		Assisted Living Program
9920146	Washington Care Center	9990133	Aase Haugen AI
9030276	Waukon Good Samaritan Center	9990094	Afton Oaks AI
9770287	Wesley Acres	9990019	Allen House
9740851	West Bend Care Center	9990089	Amber Ridge

ID	Name	ID	Name
9990046	Amelia House	9990016	Briarcliff Retirement Ctr
9990166	Apple Valley AI	9990057	Calvin Community AI Services
9990072	Arbor Heights At University	9990119	Cardinal Grove
9990065	Arbor Place	9990176	Cedars Of Madrid Homes
9990081	Arlin Falck AI	9990074	Char-Mac AI
9990112	Arlington Place Of Grundy Center	9990124	Cherry Ridge
9990157	Arlington Place Of Oelwein	9990100	Clearview Estates AI
9990137	Arlington Place Of Red Oak	9990078	Clover Ridge
9990143	Ashbrook Assisted Living	9990150	Community Memorial AI
9990138	Avoca Lodge AI	9990151	Continental At St. Joseph's
9990007	Ballard Creek Community	9990120	Cornerstone AL
9990102	Beehive Home AI - Sheldon	9990035	Cottage Grove Place
9990091	Beehive Home AI - Spencer	9990146	Country Haven Guest Homes, Ltd
9990106	Beehive Home AI - Hawarden	9990017	Country House
9990024	Bickford Cottage - Ames	9990128	Courtyard A.L.
9990011	Bickford Cottage - Burlington	9990177	Courtyard Terrace
9990028	Bickford Cottage - Cedar Falls	9990125	Crown Pointe
9990010	Bickford Cottage - Clinton	9990108	Custom Care
9990054	Bickford Cottage - Davenport	9990175	Danbury Circle
9990008	Bickford Cottage - Ft Dodge	9990033	Davenport Lutheran AI
9990023	Bickford Cottage - Ia City	9990099	Eagle Ridge AI
9990029	Bickford Cottage - Marion	9990020	Eiler House
9990012	Bickford Cottage - Marshalltown	9990155	Ellen Kennedy Living Center
9990009	Bickford Cottage - Muscatine	9990059	Elm Crest Retirement Comm
9990042	Bickford Cottage - Urbandale	9990064	Elm Heights AI
9990043	Bickford Cottage - W Des Moines	9990095	Elm Springs AI Apts
9990006	Bickford Cottage I - Sioux City	9990169	Emerald Oaks
9990063	Bickford Cottage li - Sioux City	9990181	Emerson Point
9990044	Boulevard Place	9990154	Estabrook Lodge A. L.

ID	Name	ID	Name
9990135	Fieldcrest AL	9990163	Legacy Gardens
9990062	Floyd House	9990116	Legacy Pointe
9990131	Forest Plaza AI	9990171	Lincolnway Villa AI
9990172	Fountain View AI	9990082	Lincolnwood AL
9990076	Franken Manor	9990088	Linden Place AI
9990126	Franklin Prairie Apartments	9990001	Longview Retirement Apts
9990052	Gabus Home	9990034	Lutheran Home Apts
9990085	Garden View AI	9990080	Madison Square AI
9990165	Garner Farms Special Memory Care	9990148	Maple Grove Senior Living
9990113	Garnett Place	9990048	Maple Manor Village
9990086	Glenwood Place	9990136	Maple Ridge AI
9990111	Hawthorne Inn At Windmill Pointe	9990002	Martina Place
9990014	Heartland Care Ctr AI	9990045	Mason City Homestead
9990101	Heartwood Heights	9990071	Mayflower AL
9990056	Heritage Court	9990069	Meadows (The)
9990055	Heritage House	9990084	Meadows AL
9990145	Hillcrest Court	9990159	Melrose Meadows Retirement Community
9990038	Holy Spirit	9990097	Mica Hill Estates
9990015	Holy Spirit AL For Dementia	9990027	Mill Pond AI
9990087	Homestead Acres	9990123	Mulberry Place
9990079	Jersey Ridge	9990182	Newton Village, Inc.
9990092	Kensington	9990058	Northern Hills
9990153	Kentucky Ridge Neighborhood AI	9990105	Oak Estates
9990018	Keystone Senior Suites	9990070	Oakland Heights
9990152	Kingston Court	9990093	Oaknoll AL
9990115	Kosgrove Estates	9990139	Oakwood Place AI
9990107	Lakeview Lodge	9990132	Park Lane Village
9990103	Lakeview Village	9990021	Park Place Estates
9990037	Landsmeer Ridge Retirement Comm	9990110	Pennington Square

ID	Name	ID	Name
9990068	Perry Lutheran Home AI	9990127	Sunset Park Place
9990061	Pioneer Place AI	9990031	Swan House
9990149	Pleasant View Assisted Living	9990022	Sylvan Woods
9990083	Port Charles AI	9990109	Terrace Park Sr Living
9990173	Prairie Creek Assisted Living	9990162	Timberland Village
9990039	Prairie View Inn	9990140	Valley Lodge AI
9990142	Premier Estates - Onawa	9990121	Valley View Manor AI
9990047	Premier Estates - Rock Rapids	9990051	Villa Cottages
9990090	Promise House	9990026	Village Ridge
9990013	Reed House	9990174	Village Terrace AI
9990168	Reflections Assisted Living	9990179	Vintage Park Apartments
9990130	Ridgeway Place	9990167	Vriendschap Village AI
9990040	Riverview Terrace	9990032	Waukon Living Ctr
9990156	Rose Vista Assisted Living	9990096	WEL-LIFE At Alta
9990067	Rosebush Gardens	9990025	WEL-LIFE At Spirit Lake
9990147	Ruthven Community Care Center	9990117	Wesley Acres Memory Loss Center
9990161	Scuyler Place Assisted Living	9990075	Wesley Central AI
9990098	Senior Suites	9990118	West Liberty AI Residences
9990160	Silver Pond Assisted Living	9990036	Western Home AI
9990066	Silvercrest AI - Garner Farms	9990134	White Oak Estates
9990041	Silvercrest Ames AI	9990180	Willow Dale Wellness Village
9990164	Silvercrest At The Woodlands	9990004	Willow Pointe
9990005	Sitler Ctr For Helpful Living	9990122	Willows (The)
9990114	Skiff Med Center AI	9990144	Windsor Place AI
9990141	Southfield Wellness Community AI		Other
9990129	Spring Valley Senior AI	9999504	Morgue/Funeral Home/Coroner
9990060	Summit Heights	9999503	Other Acute Care Med Facility
9990170	Sunnybrook AL	9999505	Other Clinic/Doctors Office
9990030	Sunrise Villa	9999506	Other EMS Entity

ID	Name	ID	Name
9999501	Other Long Term Care Facility	9999502	Residence
9999500	Police/Law Enforcement		

Appendix C

Iowa City/County FIPS

FIPS ID	Name	FIPS ID	Name
	Adair County	94161	Union (Township of)
00370	Adair	94389	Walnut (Township of)
02440	Arbor Hill	94443	Washington (Township of)
04690	Barrett Superette (Rosserdale)	87600	Zion
05995	Berea		Adams County
08425	Bridgewater	08740	Brooks
90333	Bridgewater (Township of)	10585	Carbon
10360	Canby	10720	Carl
11395	Casey	90471	Carl (Township of)
91248	Eureka (Township of)	90780	Colony (Township of)
27705	Fisk	16500	Corning
28290	Fontanelle	21380	Dickierville
91608	Grand River (Township of)	91020	Douglas (Township of)
32790	Greenfield	91626	Grant (Township of)
91755	Greenfield (Township of)	39075	Iveyville
91776	Grove (Township of)	92193	Jasper (Township of)
91854	Harrison (Township of)	44490	Lenox
35625	Hebron	92517	Lincoln (Township of)
37380	Howe	45275	Lincoln Center
92088	Jackson (Township of)	51125	Mercer
92199	Jefferson (Township of)	92916	Mercer (Township of)
92397	Lee (Township of)	54570	Mount Etna
92514	Lincoln (Township of)	55740	Nevinville
59565	Orient	56865	Nodaway
93198	Orient (Township of)	93120	Nodaway (Township of)
93519	Prussia (Township of)	64560	Prescott
93570	Richland (Township of)	93504	Prescott (Township of)
68880	Rosserdale	65290	Quincy
75090	Stanzel	93531	Quincy (Township of)
75990	Stuart	75900	Stringtown
94032	Summerset (Township of)	94164	Union (Township of)
94035	Summit (Township of)	94446	Washington (Township of)

FIPS ID	Name	FIPS ID	Name
85890	Williamson	68970	Rossville
	Allamakee County	73480	Sixteen
90582	Center (Township of)	94089	Taylor (Township of)
13260	Church	94290	Union City (Township of)
18120	Dalby	94293	Union Prairie (Township of)
21945	Dorchester	80940	Village Creek
24262	Effiay Mounds National Monument	81435	Volney
24285	Egan	94596	Waterloo (Township of)
24400	Eldergrove	82470	Waterville
25185	Elon	82740	Waukon
91290	Fairview (Township of)	82785	Waukon Junction
91383	Franklin (Township of)		Appanoose County
91488	French Creek (Township of)	90177	Bellair (Township of)
34275	Hanover	08245	Brazil
91824	Hanover (Township of)	90435	Caldwell (Township of)
34590	Harpers Ferry	12315	Centerville
38445	Ion	90640	Centerville
92049	Iowa (Township of)	12360	Centerville (sta.)
92202	Jefferson (Township of)	90641	Centerville City (Township of)
92331	Lafayette (Township of)	90642	Chariton (Township of)
43275	Lansing	13395	Cincinnati
92382	Lansing (Township of)	13710	Clarkdale
92655	Linton (Township of)	18480	Darbyville
47145	Ludlow	19270	Dean
92727	Ludlow (Township of)	91023	Douglas (Township of)
47525	Lycurgus	26310	Exline
47570	Lyndale	28335	Forbush
92799	Makee (Township of)	91386	Franklin (Township of)
50410	Maud	29865	Garfield
55785	New Albin	35920	Hiattsville
93255	Paint Creek (Township of)	37965	Iconium
93468	Post (Township of)	92016	Independence (Township of)
64290	Postville	39540	Jerome
65145	Quandahl		

FIPS ID	Name	FIPS ID	Name
92271	Johns (Township of)	91260	Exira (Township of)
92520	Lincoln (Township of)	27660	Fiscus
46020	Livingston	29830	Gardner
48515	Maine	32565	Gray
49980	Martinstown	91728	Greeley (Township of)
53985	Moravia	33915	Hamlin
54390	Moulton	91815	Hamlin (Township of)
55200	Mystic	40545	Kenfield
57945	Numa	41295	Kimballton
59645	Orleans	43455	Larland
63345	Plano	92418	Leroy (Township of)
93357	Pleasant (Township of)	92523	Lincoln (Township of)
65730	Rathbun	92910	Melville (Township of)
71445	Sedan	56775	Nishna
93822	Sharon (Township of)	93153	Oakfield (Township of)
75890	Streepyville	68835	Ross
76395	Sunshine	72020	Sharon
94092	Taylor (Township of)	93825	Sharon (Township of)
77700	Thirty	94362	Viola (Township of)
79410	Udell	81270	Viola Center
94155	Udell (Township of)		
94167	Union (Township of)		
79680	Unionville		
94329	Vermillion (Township of)		
94392	Walnut (Township of)		
82110	Walnut City		
94449	Washington (Township of)		
94638	Wells (Township of)		
	Audubon County		
03655	Audubon		
90093	Audubon (Township of)		
08200	Brayton		
90453	Cameron (Township of)		
91026	Douglas (Township of)		
26265	Exira		
			Benton County
		03475	Atkins
		05590	Belle Plaine
		90178	Belle Plaine
		90179	Belle Plaine (Township of)
		90201	Benton (Township of)
		90237	Big Grove (Township of)
		06805	Blairstown
		90363	Bruce (Township of)
		90465	Canton (Township of)
		90522	Cedar (Township of)
		13035	Cheney
		91131	Eden (Township of)
		91161	Eldorado (Township of)
		91350	Florence (Township of)

FIPS ID	Name	FIPS ID	Name
91455	Fremont (Township of)	05805	Benson
30000	Garrison	90234	Big Creek (Township of)
91857	Harrison (Township of)	90246	Black Hawk (Township of)
91974	Homer (Township of)	08785	Brookside
92052	Iowa (Township of)	09505	Burk
38910	Irving	11575	Castle Hill
92091	Jackson (Township of)	90525	Cedar (Township of)
92289	Kane (Township of)	11710	Cedar City
41115	Keystone	11755	Cedar Falls
92421	Leroy (Township of)	90576	Cedar Falls (Township of)
47505	Luzerne	11800	Cedar Falls Junction
92964	Monroe (Township of)	21135	Dewar
54435	Mount Auburn	22845	Dunkerton
56055	Newhall	91092	Eagle (Township of)
57720	Norway	23205	Eagle Center
93438	Polk (Township of)	23880	East Waterloo
72480	Shellsburg	91128	East Waterloo (Township of)
93838	Shellsburg	24870	Elk Run Heights
93839	Shellsburg (Township of)	25995	Evansdale
74290	Spencers Grove	27570	Finchford
93732	St. Clair (Township of)	91374	Fox (Township of)
94095	Taylor (Township of)	30675	Gilbertville
94170	Union (Township of)	30720	Gilbur
79905	Urbana	31440	Glory
80400	Van Horne	35975	Hicks
81210	Vinton	36435	Hilltop
94360	Vinton	37470	Hudson
94361	Vinton (Township of)	39405	Janesville
81840	Walford	39975	Jubilee
82515	Watkins	43365	La Porte City
	Black Hawk County	92427	Lester (Township of)
00820	Aladdin	92526	Lincoln (Township of)
02890	Armour	52185	Millerdale
90126	Barclay (Township of)	53130	Mona Junction
90198	Bennington (Township of)	93039	Mount Vernon (Township of)

FIPS ID	Name	FIPS ID	Name
57180	North Cedar	91860	Harrison (Township of)
59430	Orange	92094	Jackson (Township of)
93186	Orange (Township of)	39945	Jordan
93477	Poyner (Township of)	46200	Logansport
65775	Raymar	47280	Luther
65820	Raymond	48135	Mackey
93966	Spring Creek (Township of)	48450	Madrid
94173	Union (Township of)	92832	Marcy (Township of)
81480	Voorhies	52680	Mineral Ridge
82290	Washburn	53040	Moingona
94452	Washington (Township of)	55290	Napier
94597	Waterloo	56730	Niles
82425	Waterloo	58665	Ogden
94598	Waterloo (Township of)	93291	Peoples (Township of)
82440	Waterloo Municipal Airport	62850	Pilot Mound
		93330	Pilot Mound (Township of)
	Boone County	66945	Ridgeport
90057	Amaqua (Township of)	72345	Sheldahl
02215	Angus	94176	Union (Township of)
05185	Beaver	86745	Wolf
90150	Beaver (Township of)	94782	Worth (Township of)
06040	Berkley	94797	Yell (Township of)
07480	Boone		
07750	Boxholm		Bremer County
90489	Cass (Township of)	03070	Artesian
12405	Centerville	04150	Babcock
14815	Coal Valley	08335	Bremer
90756	Colfax (Township of)	09055	Buck Creek
90969	Des Moines (Township of)	90900	Dayton (Township of)
91002	Dodge (Township of)	20035	Denver
91029	Douglas (Township of)	91032	Douglas (Township of)
23565	East Boone	91389	Franklin (Township of)
25770	Ericson	29010	Frederika
28920	Fraser	91440	Frederika (Township of)
91503	Garden (Township of)	91458	Fremont (Township of)
91629	Grant (Township of)	37245	Horton

FIPS ID	Name	FIPS ID	Name
34320	Hanover	90195	Bennezetete (Township of)
91887	Hayes (Township of)	08560	Bristow
40080	Juniata	90420	Butler (Township of)
42645	Lakeside	09745	Butler Center
92400	Lee (Township of)	13755	Clarksville
44745	Leverett	90753	Coldwater (Township of)
92529	Lincoln (Township of)	16695	Coster
45480	Linn Grove	90903	Dayton (Township of)
92823	Maple Valley (Township of)	22620	Dumont
49260	Marathon	24620	Eleanor
55965	Newell	91464	Fremont (Township of)
93078	Newell (Township of)	32745	Greene
93129	Nokomis (Township of)	92100	Jackson (Township of)
93435	Poland (Township of)	92211	Jefferson (Township of)
93513	Providence (Township of)	41025	Kesley
66360	Rembrandt	92754	Madison (Township of)
93768	Scott (Township of)	92967	Monroe (Township of)
93927	Sioux Rapids	55800	New Albion
73425	Sioux Rapids	56145	New Hartford
93928	Sioux Rapids (Township of)	60870	Packard
75630	Storm Lake	61590	Parkersburg
94018	Storm Lake	62860	Pilot Rock
94019	Storm Lake (Township of)	93339	Pittsford (Township of)
76080	Sulphur Springs	93633	Ripley (Township of)
79095	Truesdale	72435	Shell Rock
94461	Washington (Township of)	93837	Shell Rock (Township of)
84720	West Storm Lake (Emerald Park)	73245	Sinclair
		76700	Swanton
		94464	Washington (Township of)
		94692	West Point (Township of)
		86060	Wilmar
	Butler County		
90030	Albion (Township of)		
01315	Allison		
02395	Aplington		
02620	Aredale		
03880	Austinville		
90153	Beaver (Township of)		
			Calhoun County
		90423	Butler (Township of)
		90441	Calhoun (Township of)
		90528	Cedar (Township of)

FIPS ID	Name	FIPS ID	Name
90585	Center (Township of)		
91215	Elm Grove (Township of)		
26940	Farnhamville		
91509	Garfield (Township of)		
91758	Greenfield (Township of)		
92103	Jackson (Township of)		
39900	Jolley		
41790	Knierim		
41880	Knoke		
92368	Lake City		
42465	Lake City		
92369	Lake City (Township of)		
92370	Lake Creek (Township of)		
43095	Lanedale (Iowa State Women's Reformatory)		
43770	Lavinia		
92532	Lincoln (Township of)		
92688	Logan (Township of)		
46245	Lohrville		
47730	Lytton		
48990	Manson		
63030	Piper		
64065	Pomeroy		
65685	Rands		
93546	Reading (Township of)		
66630	Richard		
67125	Rinard		
68295	Rockwell City		
93855	Sherman (Township of)		
72705	Sherwood		
73920	Somers		
94152	Twin Lakes (Township of)		
94179	Union (Township of)		
85530	Wieston		
85575	Wightman		
94734	Williams (Township of)		
87375	Yetter		
			Carroll County
02485	Arcadia		
90075	Arcadia (Township of)		
08290	Breda		
90475	Carroll		
11080	Carroll		
90476	Carroll (Township of)		
11110	Carrollton		
16050	Coon Rapids		
19450	Dedham		
91134	Eden (Township of)		
91254	Ewoldt (Township of)		
31395	Glidden		
91581	Glidden (Township of)		
91635	Grant (Township of)		
33645	Halbur		
92196	Jasper (Township of)		
92319	Kniest (Township of)		
43140	Lanesboro		
45030	Lidderdale		
48945	Manning		
92811	Manning		
49125	Maple River		
92820	Maple River (Township of)		
49135	Maple River Junction		
54525	Mount Carmel		
93099	Newton (Township of)		
93405	Pleasant Valley (Township of)		
65505	Ralston		
93573	Richland (Township of)		
68745	Roselle		
93699	Roselle (Township of)		
93840	Sheridan (Township of)		
77340	Templeton		
94182	Union (Township of)		

FIPS ID	Name	FIPS ID	Name
94426	Warren (Township of)		
94467	Washington (Township of)		
94704	Wheatland (Township of)		
85710	Willey		
	Cass County		
02260	Anita	05770	Bennett
03520	Atlantic	09010	Buchanan
90144	Bear Grove (Township of)	90495	Cass (Township of)
90204	Benton (Township of)	11665	Cedar Bluff
90336	Brighton (Township of)	12045	Cedar Valley
90492	Cass (Township of)	90588	Center (Township of)
17760	Cumberland	12135	Centerdale
21155	Dewey	13530	Clarence
91155	Edna (Township of)	90906	Dayton (Township of)
91392	Franklin (Township of)	22260	Downey
91638	Grant (Township of)	22980	Durant
33150	Griswold	91275	Fairfield (Township of)
91779	Grove (Township of)	91317	Farmington (Township of)
44805	Lewis	91467	Fremont (Township of)
92535	Lincoln (Township of)	91593	Gower (Township of)
46470	Lorah	35782	Herbert Hoover National Historic Site
47550	Lyman	92046	Inland (Township of)
49575	Marne	92055	Iowa (Township of)
50250	Massena	45120	Lime City
92892	Massena (Township of)	92643	Linn (Township of)
93117	Noble (Township of)	46920	Lowden
57730	Norway Center	50340	Massillon
93360	Pleasant (Township of)	92895	Massillon (Township of)
93528	Pymosa (Township of)	50700	Mechanicsville
94185	Union (Township of)	93333	Pioneer (Township of)
94350	Victoria (Township of)	93552	Red Oak (Township of)
94470	Washington (Township of)	67890	Rochester
86610	Wiota	93654	Rochester (Township of)
		74550	Springdale
		93975	Springdale (Township of)
		93978	Springfield (Township of)
		75045	Stanwood
		94023	Sugar Creek (Township of)
		76305	Sunbury

FIPS ID	Name	FIPS ID	Name
78285	Tipton		Airport
81725	Wald	51420	Meservey
83595	West Branch	93042	Mount Vernon (Township of)
86015	Williamstown		
86070	Wilton	56910	Nora Springs
		93246	Owen (Township of)
		93408	Pleasant Valley (Township of)
	Cerro Gordo County		
90135	Bath (Township of)	63885	Plymouth
09415	Burchinal	63930	Plymouth Junction
10270	Cameron	64155	Portland
11260	Cartersville	93456	Portland (Township of)
12585	Central Heights (West Mason City)	68025	Rock Falls
90720	Clear Lake	68250	Rockwell
14025	Clear Lake	76620	Swaledale
90719	Clear Lake (Township of)	77880	Thornton
90724	Clear Lake City (Township of)	94188	Union (Township of)
		80580	Ventura
14070	Clear Lake Junction	80590	Ventura Heights
22080	Dougherty	84360	West Mason City (Central Heights)
91017	Dougherty (Township of)		
25545	Emery	86475	Winnebago Heights
91308	Falls (Township of)		
29100	Freeman		Cherokee County
91551	Geneseo (Township of)	90021	Afton (Township of)
91641	Grant (Township of)	90063	Amherst (Township of)
91773	Grimes (Township of)	03745	Aurelia
34095	Hanford	90531	Cedar (Township of)
37695	Hurley	13080	Cherokee
92346	Lake (Township of)	90654	Cherokee (Township of)
92508	Lime Creek (Township of)	14115	Cleghorn
92538	Lincoln (Township of)	90996	Diamond (Township of)
92886	Mason (Township of)	21315	Diamond Center
92890	Mason City	27480	Fielding
50160	Mason City	91602	Grand Meadow (Township of)
92891	Mason City (Township of)		
50175	Mason City Municipal	43500	Larrabee

FIPS ID	Name	FIPS ID	Name
92442	Liberty (Township of)	39495	Jerico
49350	Marcus	43815	Lawler
92829	Marcus (Township of)	45930	Little Turkey
50025	Mary Hill	46440	Lonia
51150	Meriden	55335	Nashua
59160	Onawa Junction	56100	New Hampton
93321	Pilot (Township of)	93081	New Hampton (Township of)
93336	Pitcher (Township of)	57495	North Washington
65280	Quimby	66310	Reilly Settlement
93657	Rock (Township of)	66495	Republic
93843	Sheridan (Township of)	93576	Richland (Township of)
93891	Silver (Township of)	70770	Saude
93963	Spring (Township of)	94008	Stapleton (Township of)
94113	Tilden (Township of)	94299	Utica (Township of)
82380	Washta	94473	Washington (Township of)
94740	Willow (Township of)	86020	Williamstown

Chickasaw County

01540	Alta Vista
04780	Bassett
06235	Bethany Hall
07795	Boyd
07975	Bradford
90324	Bradford (Township of)
13170	Chickasaw
90663	Chickasaw (Township of)
90909	Dayton (Township of)
19560	Deerfield
90942	Deerfield (Township of)
21090	Devon
91083	Dresden (Township of)
28965	Fredericksburg
91437	Fredericksburg (Township of)
38460	Ionia
39170	Jacksonville
92184	Jacksonville (Township of)

Clarke County

91077	Doyle (Township of)
91395	Franklin (Township of)
91470	Fremont (Township of)
91740	Green Bay (Township of)
37110	Hopeville
92106	Jackson (Township of)
39360	Jamison
39425	Jay
92322	Knox (Township of)
42195	Lacelle
44625	Leslie
44895	Liberty
92445	Liberty (Township of)
92757	Madison (Township of)
55065	Murray
93212	Osceola
59835	Osceola
93213	Osceola (Township of)

FIPS ID	Name	FIPS ID	Name
33330	Gunder	81390	Volga City (corporate name Volga)
33465	Guttenberg	94380	Wagner (Township of)
34425	Hardin	82560	Watson
36065	Highland	86790	Wood
91929	Highland (Township of)		
92214	Jefferson (Township of)		
45750	Littleport		Clinton County
92685	Lodomillo (Township of)	01360	Almont
47055	Luana	02080	Andover
92808	Mallory (Township of)	06535	Big Rock
92841	Marion (Township of)	06960	Bliedorn
49620	Marquette	90267	Bloomfield (Township of)
48000	McGregor	90354	Brookfield (Township of)
48020	McGregor Heights	08830	Browns
50745	Mederville	08965	Bryant
92913	Mendon (Township of)	09225	Buena Vista
52410	Millville	09345	Bulgers Hollow
92943	Millville (Township of)	09820	Calamus
53310	Monona	10135	Camanche
92961	Monona (Township of)	90450	Camanche (Township of)
54365	Motor	90591	Center (Township of)
55425	National	12855	Charlotte
57135	North Buena Vista	90736	Clinton
59790	Osborne	14430	Clinton
60015	Osterdock	90737	Clinton (Township of)
64290	Postville	14452	Clinton Municipal Airport
93543	Read (Township of)	21180	De Witt
70200	Saint Sebald	90993	De Witt (Township of)
93957	Sperry (Township of)	90927	Deep Creek (Township of)
70140	St. Olaf	19720	Delmar
75855	Strawberry Point	91137	Eden (Township of)
77735	Thomasville	91194	Elk River (Township of)
79230	Turkey River	24850	Elk River Junction
79880	Updegraff	25275	Elvira
81345	Volga (corporate name for Volga City)	25320	Elwood
94374	Volga (Township of)	28155	Folletts
		31665	Goose Lake

FIPS ID	Name	FIPS ID	Name
32025	Grand Mound	09145	Buck Grove
91644	Grant (Township of)	12900	Charter Oak
91818	Hampshire (Township of)	90648	Charter Oak (Township of)
35085	Hauntown	19765	Deloit
92448	Liberty (Township of)	19945	Denison
46605	Lost Nation	90960	Denison (Township of)
47010	Low Moor	22215	Dow City
47640	Lyons	91107	East Boyer (Township of)
48630	Malone	24960	Ells
57540	North Welton	91587	Goodrich (Township of)
93171	Olive (Township of)	91827	Hanover (Township of)
93189	Orange (Township of)	91890	Hayes (Township of)
62670	Petersville	92058	Iowa (Township of)
67100	Riggs	92109	Jackson (Township of)
71850	Shaffton	40755	Kenwood
93828	Sharon (Township of)	41610	Kiron
73470	Sixmile	48855	Manilla
93990	Spring Rock (Township of)	92928	Milford (Township of)
77205	Teeds Grove	93003	Morgan (Township of)
77385	Tenmile	93114	Nishnabotny (Township of)
78600	Toronto	93231	Otter Creek (Township of)
94479	Washington (Township of)	93270	Paradise (Township of)
94593	Waterford (Township of)	66855	Ricketts
83370	Welton	71130	Schleswig
94641	Welton (Township of)	93936	Soldier (Township of)
83820	West Clinton	94017	Stockholm (Township of)
84945	Wheatland	94191	Union (Township of)
		80130	Vail
	Crawford County	94482	Washington (Township of)
02755	Arion	94701	West Side (Township of)
03340	Aspinwall	84675	West Side (Westside)
03360	Astor	84630	Westside (West Side)
06130	Berne	94743	Willow (Township of)
07885	Boyer		
90315	Boyer (Township of)		Dallas County
07900	Boyer River	90003	Adams (Township of)

FIPS ID	Name	FIPS ID	Name
00505	Adel		Hospital)
90018	Adel (Township of)	94194	Union (Township of)
90156	Beaver (Township of)	79950	Urbandale
06645	Black Corners	80445	Van Meter
90300	Boone (Township of)	94326	Van Meter (Township of)
07525	Booneville	94395	Walnut (Township of)
07660	Bouton	94485	Washington (Township of)
14520	Clive	82695	Waukee
90759	Colfax (Township of)	83910	West Des Moines
90879	Dallas (Township of)	86655	Wiscotta
18255	Dallas Center	86970	Woodward
19135	Dawson	87645	Zook Spur
21045	De Soto		
90972	Des Moines (Township of)		Davis County
21225	Dexter	03250	Ash Grove
29820	Gardiner	05545	Belknap
29975	Garretville	90268	Bloomfield
30520	Gibbsville	07030	Bloomfield
32160	Granger	90269	Bloomfield (Township of)
32205	Granger Homesteads	09370	Bunch
91647	Grant (Township of)	10630	Carbon
33060	Grimes	90732	Cleveland (Township of)
33555	Hadden Hill	22350	Drakesville
40575	Kennedy	91080	Drakesville (Township of)
92544	Lincoln (Township of)	91263	Fabius (Township of)
45390	Linden	27975	Floris
92646	Linn (Township of)	91377	Fox River (Township of)
52545	Minburn	91782	Grove (Township of)
53940	Moran	92502	Lick Creek (Township of)
59700	Ortonville	47250	Lunsford
61400	Panther	92844	Marion (Township of)
62355	Perry	49530	Mark
66045	Redfield	53445	Monterey
93993	Spring Valley (Township of)	61540	Paris
94029	Sugar Grove (Township of)	61500	Paris (Bunch)
77655	The Meadows (State	93297	Perry (Township of)

FIPS ID	Name	FIPS ID	Name
94658	West Burlington		
87330	Yarmouth		
94803	Yellow Springs (Township of)		
	Dickinson County		
03025	Arnolds Park	03160	Asbury
90639	Center Grove (Township of)	04375	Balltown
16995	Crandalls Lodge	04395	Ballyclough
90999	Diamond Lake (Township of)	04510	Bankston
24330	Egralharve	06085	Bernard
91257	Excelsior (Township of)	09215	Budd
42600	Lake Park	10275	Cameron
92379	Lakeville (Township of)	11305	Cascade
92673	Lloyd (Township of)	90486	Cascade (Township of)
51465	Methodist Camp	11610	Cattese
52095	Milford	90597	Center (Township of)
92931	Milford (Township of)	12180	Center Grove
53535	Montgomery	12630	Centralia
58710	Okoboji	90798	Concord (Township of)
93168	Okoboji (Township of)	16710	Cottage Hill
58935	Old Town	91005	Dodge (Township of)
59655	Orleans	22395	Dubuque
93585	Richland (Township of)	91085	Dubuque
93903	Silver Lake (Township of)	91086	Dubuque (Township of)
74415	Spirit Lake	22440	Dubuque Junction
93960	Spirit Lake (Township of)	22455	Dubuque Municipal Airport
76440	Superior	22935	Durango
94062	Superior (Township of)	23115	Dyersville
77250	Templar Park	23295	Eagle Point
77520	Terril	23855	East Rickardsville
78870	Triboji Beach	24195	Edmore
81615	Wahpeton	25725	Epworth
84450	West Okoboji	26490	Fair Ground
94698	Westport (Township of)	26760	Farley
		27525	Fillmore
		27750	Five Points
		28085	Floyd School
		29205	Frith Spur
		31845	Graf

FIPS ID	Name	FIPS ID	Name
36885	Holy Cross	94728	Whitewater (Township of)
92061	Iowa (Township of)	85705	Wilkins
92217	Jefferson (Township of)	87060	Worthington
40035	Julien	87690	Zwingle
92285	Julien (Township of)		
41160	Key West		Emmet County
41340	King	02935	Armstrong
43615	Lattnerville	90081	Armstrong Grove (Township of)
92451	Liberty (Township of)	90600	Center (Township of)
46495	Lore	90963	Denmark (Township of)
47460	Luxemburg	21675	Dolliver
50295	Massey	91209	Ellsworth (Township of)
50855	Mekee	91221	Emmet (Township of)
93024	Mosalem (Township of)	25860	Estherville
56550	New Vienna	91242	Estherville (Township of)
93108	New Wine (Township of)	33240	Gruver
58800	Old Balltown	33735	Halfa
62130	Peosta	91926	High Lake (Township of)
93309	Peru (Township of)	37650	Huntington
63485	Pleasant Grove	92079	Iowa Lake (Township of)
93498	Prairie Creek (Township of)	92085	Jack Creek (Township of)
66810	Rickardsville	92547	Lincoln (Township of)
67980	Rockdale	49080	Maple Hill
68690	Rose	65500	Raleigh
69690	Sageville	67170	Ringsted
72165	Shawondasse	94065	Swan Lake (Township of)
72660	Sherrill	94146	Twelve Mile Lake (Township of)
74235	Spechts Ferry	81975	Wallingford
69870	St. Catherines (King)		
94077	Table Mound (Township of)		Fayette County
94098	Taylor (Township of)	00835	Albany
79350	Twin Springs	01450	Alpha
94332	Vernon (Township of)	02845	Arlington
94491	Washington (Township of)	90090	Auburn (Township of)
82350	Washington Mills	90120	Banks (Township of)
82830	Waupeton		

FIPS ID	Name	FIPS ID	Name
90231	Bethel (Township of)	77180	Taylorville
08110	Brainard	94206	Union (Township of)
90603	Center (Township of)	81570	Wadena
14250	Clermont	82650	Waucoma
90729	Clermont (Township of)	94702	West Union
21765	Donnan	84765	West Union
91071	Dover (Township of)	94703	West Union (Township of)
91143	Eden (Township of)	94662	Westfield (Township of)
24510	Eldorado	84180	Westgate
24645	Elgin	94761	Windsor (Township of)
26355	Fairbank		
91278	Fairfield (Township of)		Floyd County
91324	Fayette	03790	Aureola
27165	Fayette	11140	Carrville
91325	Fayette (Township of)	90534	Cedar (Township of)
91473	Fremont (Township of)	12090	Cedar View
91845	Harlan (Township of)	12765	Charles City
35310	Hawkeye	90645	Charles City
38030	Illyria	90646	Charles City (Township of)
92013	Illyria (Township of)	15465	Colwell
92220	Jefferson (Township of)	28020	Floyd
45090	Lima	91353	Floyd (Township of)
50115	Maryville	28065	Floyd Crossing
50610	Maynard	37365	Howardville
58620	Oelwein	49035	Maple Heights
59385	Oran	49305	Marble Rock
93183	Oran (Township of)	51915	Midway
93411	Pleasant Valley (Township of)	93111	Niles (Township of)
93522	Putnam (Township of)	56910	Nora Springs
65550	Randalia	56955	Nora Springs Junction
66670	Richfield	58440	Oakwood
93771	Scott (Township of)	93393	Pleasant Grove (Township of)
93930	Smithfield (Township of)	64335	Powersville
70050	St. Lucas	93648	Riverton (Township of)
74955	Stanley	93681	Rock Grove (Township of)
76260	Sumner	68070	Rockford

FIPS ID	Name	FIPS ID	Name
93675	Rockford (Township of)	93156	Oakland (Township of)
68800	Roseville	93216	Osceola (Township of)
69195	Rudd	64110	Popejoy
93711	Rudd (Township of)	66270	Reeve
93774	Scott (Township of)	93561	Reeve (Township of)
73020	Siding A	93588	Richland (Township of)
93729	St. Charles (Township of)	93702	Ross (Township of)
94158	Ulster (Township of)	93777	Scott (Township of)
94209	Union (Township of)	72210	Sheffield
81930	Waller	93833	Sheffield
83730	West Charles City	94493	Washington (Township of)
		94668	West Fork (Township of)
		94767	Wisner (Township of)
	Franklin County		Fremont County
00190	Ackley	02035	Anderson
01090	Alexander	04735	Bartlett
08020	Bradford	90210	Benton (Township of)
09460	Burdette	26985	Farragut
12675	Chapin	91344	Fisher (Township of)
90739	Clinton (Township of)	91405	Franklin (Township of)
16815	Coulter	91734	Green (Township of)
22305	Dows	33780	Hamburg
27120	Faulkner	91804	Hamburg
30135	Geneva	38055	Imogene
91557	Geneva (Township of)	92679	Locust Grove (Township of)
91650	Grant (Township of)	92760	Madison (Township of)
91809	Hamilton (Township of)	48270	McPaul
91819	Hampton	92970	Monroe (Township of)
33960	Hampton	61950	Payne
34365	Hansell	62175	Percival
92040	Ingham (Township of)	93486	Prairie (Township of)
43590	Latimer	65640	Randolph
92403	Lee (Township of)	93639	Riverside (Township of)
92847	Marion (Township of)	67575	Riverton
93009	Morgan (Township of)	93651	Riverton (Township of)
93030	Mott (Township of)		
58060	Oakland		

FIPS ID	Name	FIPS ID	Name
93703	Ross (Township of)	65505	Ralston
93780	Scott (Township of)	67215	Rippey
72525	Shenandoah	71310	Scranton
73065	Sidney	93804	Scranton (Township of)
93885	Sidney (Township of)	94497	Washington (Township of)
76170	Summit	94746	Willow (Township of)
94078	Tabor	86430	Winkelmans
76935	Tabor		
77970	Thurman		
94398	Walnut (Township of)		
94494	Washington (Township of)		
	Greene County		Grundy County
00460	Adaza	05140	Beaman
90342	Bristol (Township of)	90159	Beaver (Township of)
90537	Cedar (Township of)	90249	Black Hawk (Township of)
13350	Churdan	09160	Buck Grove
16095	Cooper	90675	Clay (Township of)
18345	Dana	90762	Colfax (Township of)
90897	Dawson (Township of)	15825	Conrad
26805	Farlin	21405	Dike
91404	Franklin (Township of)	91281	Fairfield (Township of)
31980	Grand Junction	91329	Felix (Township of)
91653	Grant (Township of)	27300	Fern
91746	Greenbrier (Township of)	29075	Fredsville
91830	Hardin (Township of)	91560	German (Township of)
91932	Highland (Township of)	91656	Grant (Township of)
37065	Hope	33195	Grundy Center
92115	Jackson (Township of)	36705	Holland
39450	Jefferson	39060	Ivester
92221	Jefferson	92550	Lincoln (Township of)
92222	Jefferson (Township of)	92907	Melrose (Township of)
92286	Junction (Township of)	54165	Morrison
92304	Kendrick (Township of)	93258	Palermo (Township of)
61815	Paton	93414	Pleasant Valley (Township of)
93276	Paton (Township of)		
		66315	Reinbeck
		93882	Shiloh (Township of)
		75720	Stout
		94500	Washington (Township of)
		83325	Wellsburg

FIPS ID	Name	FIPS ID	Name
87510	Zaneta	85395	Wichita
		87285	Yale
Guthrie County		Hamilton County	
00370	Adair	06760	Blairsburg
04240	Bagley	90264	Blairsburg (Township of)
90105	Baker (Township of)	90302	Boone (Township of)
04960	Bayard	90504	Cass (Township of)
90147	Bear Grove (Township of)	90722	Clear Lake (Township of)
90162	Beaver (Township of)	25050	Ellsworth
11395	Casey	91212	Ellsworth (Township of)
90501	Cass (Township of)	91446	Freedom (Township of)
16050	Coon Rapids	91476	Fremont (Township of)
18165	Dale	91812	Hamilton (Township of)
91008	Dodge (Township of)	36300	Highview
26715	Fanslers	36930	Homer
31305	Glendon	92019	Independence (Township of)
91659	Grant (Township of)	39630	Jewell (corporate name Jewell Junction)
33420	Guthrie Center	39675	Jewell Junction (corporate name for Jewell)
35805	Herndon	40215	Kamrar
91935	Highland (Township of)	92454	Liberty (Township of)
92118	Jackson (Township of)	92553	Lincoln (Township of)
39225	Jamaica	92739	Lyon (Township of)
51105	Menlo	92850	Marion (Township of)
53400	Monteith	65595	Randall
57090	North Branch	93696	Rose Grove (Township of)
93192	Orange (Township of)	93783	Scott (Township of)
61320	Panora	74910	Stanhope
93279	Penn (Township of)	75585	Stonega
93591	Richland (Township of)	75810	Stratford
93807	Seely (Township of)	94623	Webster (Township of)
75990	Stuart	83145	Webster City
94020	Stuart (Township of)	94633	Webster City
94110	Thompson (Township of)	85800	Williams
94212	Union (Township of)		
94302	Valley (Township of)		
94353	Victory (Township of)		

FIPS ID	Name	FIPS ID	Name
94737	Williams (Township of)	00190	Ackley
	Hancock County	01045	Alden
90069	Amsterdam (Township of)	90036	Alden (Township of)
90096	Avery (Township of)	09100	Buckeye
90243	Bingham (Township of)	90372	Buckeye (Township of)
90303	Boone (Township of)	90678	Clay (Township of)
08605	Britt	14295	Cleves
90348	Britt (Township of)	90804	Concord (Township of)
90801	Concord (Township of)	23225	Eagle City
16590	Corwith	24465	Eldora
90861	Crystal (Township of)	91157	Eldora
17670	Crystal Lake	91158	Eldora (Township of)
19900	Denhart	91159	Eldora City (Township of)
22710	Duncan	24555	Eldora Junction
91197	Ell (Township of)	91206	Ellis (Township of)
91200	Ellington (Township of)	91245	Etna (Township of)
91239	Erin (Township of)	29730	Garden City
28380	Forest City	30585	Gifford
91515	Garfield (Township of)	91662	Grant (Township of)
29955	Garner	91833	Hardin (Township of)
31575	Goodell	37425	Hubbard
35490	Hayfield	38640	Iowa Falls
37875	Hutchins	92121	Jackson (Township of)
40260	Kanawha	43860	Lawn Hill
41655	Klemme	48360	Macy
92457	Liberty (Township of)	56415	New Providence
92763	Madison (Township of)	60555	Owasa
92793	Magor (Township of)	93363	Pleasant (Township of)
52140	Miller	93516	Providence (Township of)
93207	Orthel (Township of)	65370	Radcliffe
75360	Stilson	67710	Robertson
94149	Twin Lake (Township of)	69000	Rough Woods Hill
86700	Woden	72615	Sherman
	Hardin County	93858	Sherman (Township of)
00100	Abbott Crossing	75180	Steamboat Rock
		94125	Tipton (Township of)

FIPS ID	Name	FIPS ID	Name
94131	Trenton (Township of)		Humboldt County
82965	Wayland	02980	Arnold
94609	Wayne (Township of)	90099	Avery (Township of)
84835	Westwood	90165	Beaver (Township of)
86385	Winfield	07210	Bode
	Howard County	08065	Bradgate
90024	Afton (Township of)	90834	Corinth (Township of)
90033	Albion (Township of)	90871	Dakota (Township of)
07300	Bonair	90872	Dakota City
13125	Chester	18075	Dakota City
90657	Chester (Township of)	90945	Delana (Township of)
17220	Cresco	30945	Gilmore City
19110	Davis Corners	91785	Grove (Township of)
25095	Elma	34455	Hardy
27930	Florenceville	92003	Humboldt
91368	Forest City (Township of)	37560	Humboldt
91989	Howard (Township of)	92004	Humboldt (Township of)
92001	Howard Center (Township of)	92352	Lake (Township of)
92190	Jamestown (Township of)	45975	Livermore
45060	Lidtke Mill	47370	Lu Verne (corporate name for Luverne)
45165	Lime Springs	47415	Luverne (corporate name Lu Verne)
46740	Lourdes	93138	Norway (Township of)
49100	Maple Leaf	60420	Ottosen
93090	New Oregon (Township of)	62985	Pioneer
93150	Oak Dale (Township of)	66450	Renwick
93273	Paris (Township of)	69375	Rutland
65010	Protivin	93717	Rutland (Township of)
66585	Riceville	93992	Springvale (Township of)
70680	Saratoga	77790	Thor
93756	Saratoga (Township of)	94335	Vernon (Township of)
71175	Schley	94377	Wacousta (Township of)
80715	Vernon Springs	94620	Weaver (Township of)
94347	Vernon Springs (Township of)		Ida County
		03115	Arthur

FIPS ID	Name	FIPS ID	Name
91314	Farmers Creek (Township of)		of)
29370	Fulton	79355	Twin Springs
30020	Garry Owen	94221	Union (Township of)
32880	Green Island	80300	Van Buren
37785	Hurstville	94314	Van Buren (Township of)
92067	Iowa (Township of)	94509	Washington (Township of)
38865	Ironhills	87690	Zwingle
92130	Jackson (Township of)		Jasper County
43050	La Motte	01810	Amboy
42400	Lainsville	04915	Baxter
49215	Maquoketa	90381	Buena Vista (Township of)
92826	Maquoketa (Township of)	90711	Clear Creek (Township of)
52050	Miles	14700	Clyde
53265	Monmouth	15060	Colfax
92958	Monmouth (Township of)	90975	Des Moines (Township of)
55380	Nashville	91182	Elk Creek (Township of)
60330	Otter Creek	91293	Fairview (Township of)
93234	Otter Creek (Township of)	29460	Galesburg
60800	Ozark	31485	Goddard
93300	Perry (Township of)	32700	Green Castle
93501	Prairie Springs (Township of)	91920	Hickory Grove (Township of)
64605	Preston	92022	Independence (Township of)
66260	Reeceville		
93594	Richland (Township of)	38775	Ira
69510	Sabula	40440	Kellogg
69555	Sabula Junction	92301	Kellogg (Township of)
70365	Samoa	41250	Killduff
73660	Smiths	42870	Lambs Grove
93948	South Fork (Township of)	92736	Lynn Grove (Township of)
74065	South Garry Owen	47595	Lynnville
74460	Spragueville	92802	Malaka (Township of)
74505	Springbrook	92871	Mariposa (Township of)
69960	St. Donatus	51485	Metz
75270	Sterling	52815	Mingo
94107	Tete Des Morts (Township of)	53355	Monroe

FIPS ID	Name	FIPS ID	Name
93033	Mound Prairie (Township of)	31215	Glasgow
55920	Newburg	92460	Liberty (Township of)
56505	Newton	44985	Libertyville
93102	Newton (Township of)	45210	Linby
58170	Oakland Acres	46065	Lockridge
60060	Oswalt	92676	Lockridge (Township of)
93267	Palo Alto (Township of)	92682	Locust Grove (Township of)
93471	Poweshiek (Township of)	51395	Merrimac
64470	Prairie City	60915	Packwood
65955	Reasnor	61995	Pekin
93597	Richland (Township of)	93282	Penn (Township of)
93672	Rock Creek (Township of)	62310	Perlee
93861	Sherman (Township of)	63615	Pleasant Plain
76035	Sully	93444	Polk (Township of)
80175	Valeria	93708	Round Prairie (Township of)
80355	Vandalia	70275	Salina
94512	Washington (Township of)	80625	Veo
		94401	Walnut (Township of)
	Jefferson County		
00145	Abingdon		
04825	Batavia		Johnson County
05320	Beckwith	01900	Amish
90252	Black Hawk (Township of)	90240	Big Grove (Township of)
08800	Brookville	90543	Cedar (Township of)
90366	Buchanan (Township of)	90714	Clear Creek (Township of)
90540	Cedar (Township of)	16230	Coralville
90609	Center (Township of)	16680	Cosgrove
15170	Collett	16770	Cou Falls
16140	Coppock	91119	East Lucas (Township of)
90978	Des Moines (Township of)	25140	Elmira
23835	East Pleasant Plain	91479	Fremont (Township of)
91285	Fairfield	29325	Frytown
26445	Fairfield	91599	Graham (Township of)
91286	Fairfield (Township of)	91836	Hardin (Township of)
28695	Four Corners	36345	Hills (CIRC name Old Mans Creek Bridge)
30450	Germanville		

FIPS ID	Name	FIPS ID	Name
92077	Iowa City	79770	University Heights
38595	Iowa City	80660	Vernon
92078	Iowa City (Township of)	94515	Washington (Township of)
92229	Jefferson (Township of)	94686	West Lucas (Township of)
39720	Joetown (Amish)	86025	Williamstown (Frytown)
92463	Liberty (Township of)	86160	Windham
92562	Lincoln (Township of)		
46335	Lone Tree		Jones County
92766	Madison (Township of)	01765	Amber
51825	Mid River	01990	Anamosa
92973	Monroe (Township of)	10405	Canton
54210	Morse	11305	Cascade
56380	Newport	90510	Cass (Township of)
93093	Newport (Township of)	90519	Castle Grove (Township of)
57360	North Liberty	12225	Center Junction
58035	Oakdale (State Sanatorium)	90684	Clay (Township of)
58485	Oasis	13775	Clay Mills
58845	Old Mans Creek Bridge (CIRC Hills)	18185	Dales Ford
60645	Oxford	23900	Eby's Mill
93249	Oxford (Township of)	24120	Edinburg
93285	Penn (Township of)	26625	Fairview
93417	Pleasant Valley (Township of)	91296	Fairview (Township of)
67395	River Junction	91761	Greenfield (Township of)
93789	Scott (Township of)	33690	Hale
93831	Sharon (Township of)	91803	Hale (Township of)
72030	Sharon Center	92133	Jackson (Township of)
72840	Shueyville	43230	Langworthy
73875	Solon	92725	Lovell (Township of)
76530	Sutleff	92769	Madison (Township of)
76575	Sutliff	49845	Martelle
76890	Swisher	47985	McGargels Ford
78060	Tiffin	53625	Monticello
79365	Twin View Heights	54030	Morley
94224	Union (Township of)	56390	Newport
79725	University	58980	Olin
		59250	Onslow

FIPS ID	Name	FIPS ID	Name
30345	Gerled	94071	Swea (Township of)
91563	German (Township of)	76755	Swea City
30405	German Valley	78330	Titonka
91668	Grant (Township of)	94227	Union (Township of)
91767	Greenwood (Township of)	83415	Wesley
34230	Hanna	94644	Wesley (Township of)
91866	Harrison (Township of)	83550	West Bend
91905	Hebron (Township of)	85260	Whittemore
36570	Hobarton	94731	Whittemore (Township of)
38955	Irvington		
92082	Irvington (Township of)		Lee County
40305	Keller	02710	Argyle
42825	Lakota	07120	Bluff Park
44130	Ledyard	90546	Cedar (Township of)
92394	Ledyard (Township of)	12810	Charleston
92565	Lincoln (Township of)	90647	Charleston (Township of)
46290	Lone Rock	17625	Croton
46650	Lotts Creek	19990	Denmark
92721	Lotts Creek (Township of)	90966	Denmark (Township of)
47370	Lu Verne (corporate name for Luverne)	90981	Des Moines (Township of)
92730	Lu Verne (Township of)	21810	Donnellson
47415	Luverne (corporate name Lu Verne)	28605	Fort Madison
93426	Plum Creek (Township of)	28740	Franklin
93459	Portland (Township of)	91407	Franklin (Township of)
93492	Prairie (Township of)	29505	Galland
93537	Ramsey (Township of)	91743	Green Bay (Township of)
93636	Riverdale (Township of)	33825	Hamill (Mount Hamill)
71535	Seneca	91869	Harrison (Township of)
93810	Seneca (Township of)	37335	Houghton
71715	Sexton	92139	Jackson (Township of)
93864	Sherman (Township of)	92232	Jefferson (Township of)
93981	Springfield (Township of)	92311	Keokuk
69825	St. Benedict	40845	Keokuk
70005	St. Joseph	92312	Keokuk (Township of)
75285	Stevens	92772	Madison (Township of)
		92856	Marion (Township of)

FIPS ID	Name	FIPS ID	Name
53760	Montrose		
93000	Montrose (Township of)	12015	Cedar Rapids Municipal Airport
53805	Mooar		
54615	Mount Hamill	12270	Center Point
55875	New Boston	12495	Central City
62805	Pilot Grove	90738	Clinton (Township of)
93402	Pleasant Ridge (Township of)	14925	Coggon
64695	Primrose	90774	College (Township of)
70455	Sand Prairie Station (Vincennes)	16905	Covington
70545	Sandusky	17040	Crandic
70860	Sawyer	17310	Crestwood
72025	Sharon	17400	Crestwood Acres
73970	South Augusta	22170	Dove
70185	St. Paul	25365	Ely
76215	Summitville	26400	Fairfax
94320	Van Buren (Township of)	91269	Fairfax (Township of)
80850	Viele	91326	Fayette (Township of)
81030	Vincennes	27615	First Street
94524	Washington (Township of)	91410	Franklin (Township of)
84585	West Point	91671	Grant (Township of)
94695	West Point (Township of)	35940	Hiawatha
84855	Wever	38190	Indian Creek
		92142	Jackson (Township of)
		39960	Jordans Grove
		40800	Kenwood Park
		42060	Konigsmark
		42375	Lafayette
		45300	Lincolnway Village
		92649	Linn (Township of)
		45525	Linn Junction
		45615	Lisbon
		46695	Louisa
		47685	Lyons
		92796	Maine (Township of)
		49485	Marion
		92859	Marion (Township of)
		51960	Midway
Linn County			
01000	Alburnett		
01155	Alice		
06175	Bertram		
90228	Bertram (Township of)		
06445	Beverly		
90312	Boulder (Township of)		
90360	Brown (Township of)		
90390	Buffalo (Township of)		
11845	Cedar Hills		
12000	Cedar Rapids		
90577	Cedar Rapids		

FIPS ID	Name	FIPS ID	Name
92976	Monroe (Township of)		of)
54840	Mount Vernon	15420	Columbus Junction
55900	New Buffalo	90807	Concord (Township of)
57555	Northwest	16725	Cotter
60150	Otis	91170	Eliot (Township of)
93237	Otter Creek (Township of)	91218	Elm Grove (Township of)
61230	Palo	25230	Elrick
61455	Paralta	25245	Elrick Junction
61545	Paris	29055	Fredonia
62940	Pinney	31125	Gladwin
64425	Prairieburg	32115	Grandview
93525	Putnam (Township of)	91620	Grandview (Township of)
93538	Rapids (Township of)	92235	Jefferson (Township of)
67800	Robins	44715	Letts
68450	Rogers	49710	Marsh
72120	Shaver	92874	Marshall (Township of)
93987	Spring Grove (Township of)	54120	Morning Sun
74775	Springville	93018	Morning Sun (Township of)
78420	Toddville	56405	Newport
79005	Troy Mills	93159	Oakland (Township of)
80760	Vernon View	58395	Oakville
81255	Viola	93465	Port Louisa (Township of)
81525	Waconia	78555	Toolesboro
81840	Walford	94230	Union (Township of)
81885	Walker	82200	Wapello
94527	Washington (Township of)	94416	Wapello (Township of)
82605	Waubeek	84247	West Keithsburg
83955	Western	87195	Wyman
84000	Western College (Western)		Lucas County
85350	Whittier	05520	Belinda
87105	Worthington Acres	90216	Benton (Township of)
	Louisa County	90549	Cedar (Township of)
09775	Cairo	90643	Chariton
15375	Columbus City	12720	Chariton
90792	Columbus City (Township)	90644	Chariton (Township of)

FIPS ID	Name	FIPS ID	Name
20125	Derby	30225	George
91230	English (Township of)	32250	Granite
33345	Gunwald	91674	Grant (Township of)
38350	Indianola Junction	38415	Inwood
92145	Jackson (Township of)	41745	Klondike
43545	Last Chance	43410	Larchwood
92469	Liberty (Township of)	92385	Larchwood (Township of)
92568	Lincoln (Township of)	44670	Lester
47100	Lucas	92436	Liberal (Township of)
55830	Newbern	45795	Little Rock
57810	Norwood	92697	Logan (Township of)
58260	Oakley	92742	Lyon (Township of)
59080	Olmitz	92925	Midland (Township of)
93240	Otter Creek (Township of)	93606	Richland (Township of)
93366	Pleasant (Township of)	93642	Riverside (Township of)
65070	Purdy	93660	Rock (Township of)
69285	Russell	68160	Rock Rapids
78275	Tipperary	93915	Sioux (Township of)
94233	Union (Township of)	94707	Wheeler (Township of)
94431	Warren (Township of)		
94530	Washington (Township of)		Madison County
94713	Whitebreast (Township of)	04600	Barney
85935	Williamson	06490	Bevington
		90611	Center (Township of)
		14630	Clucas
	Lyon County	90846	Crawford (Township of)
90051	Allison (Township of)	91044	Douglas (Township of)
01675	Alvord	23340	Earlham
05725	Beloit	23790	East Peru (corporate name for Peru)
90579	Centennial (Township of)	91614	Grand River (Township of)
90735	Cleveland (Township of)	34140	Hanley
90873	Dale (Township of)	92148	Jackson (Township of)
21900	Doon	92238	Jefferson (Township of)
91014	Doon (Township of)	92406	Lee (Township of)
24240	Edna	92571	Lincoln (Township of)
91164	Elgin (Township of)	48180	Macksburg
91524	Garfield (Township of)		

FIPS ID	Name	FIPS ID	Name
87150	Wright		of)
	Marion County	63750	Pleasantville
03565	Attica	93558	Red Rock (Township of)
04890	Bauer	66225	Red Rock Lakeview
09730	Bussey	94041	Summit (Township of)
10065	Caloma	76665	Swan
12540	Central College	78690	Tracy
90687	Clay (Township of)	94242	Union (Township of)
15330	Columbia	94533	Washington (Township of)
18210	Dallas		Marshall County
90882	Dallas (Township of)	00955	Albion
21785	Donnelley	04465	Bangor
21855	Donnelly	90117	Bangor (Township of)
23025	Durham	08620	Bromley
27795	Flagler	14160	Clemons (Clemons Grove)
91413	Franklin (Township of)	14205	Clemons Grove (Clemons)
31685	Gosport	21450	Dillon
33870	Hamilton	22665	Dunbar
34860	Harvey	91146	Eden (Township of)
92028	Indiana (Township of)	24015	Edenville
42015	Knoxville	27255	Ferguson
92328	Knoxville (Township of)	30900	Gilman
92376	Lake Prairie (Township of)	32925	Green Mountain
92472	Liberty (Township of)	91749	Greencastle (Township of)
50070	Marysville	35220	Haverhill
50925	Melcher	92070	Iowa (Township of)
50935	Melcher-Dallas	92244	Jefferson (Township of)
55605	Nepas	42915	LaMoille
55830	Newbern	43680	Laurel
60195	Otley	44220	Le Grand
61005	Painted Rocks	92412	Le Grand (Township of)
61680	Park Hills	92475	Liberty (Township of)
62040	Pella	45660	Liscomb
62400	Pershing	92658	Liscomb (Township of)
93399	Pleasant Grove (Township)	92700	Logan (Township of)

FIPS ID	Name	FIPS ID	Name
47265	Luray	91575	Glenwood (Township of)
49440	Marietta	34995	Hastings
92838	Marietta (Township of)	35715	Henderson
92862	Marion (Township of)	36415	Hillsdale
92877	Marshall (Township of)	92031	Indian Creek (Township of)
49755	Marshalltown	92043	Ingraham (Township of)
50880	Melbourne	92745	Lyons (Township of)
52725	Minerva	48720	Malvern
92952	Minerva (Township of)	92809	Malvern
52770	Minerva Jct.	92810	Malvern (Township of)
53250	Moningers	52635	Mineola
62715	Pickering	93147	Oak (Township of)
64380	Powerville	60815	Pacific City
65190	Quarry	60825	Pacific Junction
66540	Rhodes	93354	Plattville (Township of)
69780	St. Anthony	93540	Rawles (Township of)
75135	State Center	73155	Silver City
94011	State Center (Township of)	93897	Silver Creek (Township of)
94104	Taylor (Township of)	73870	Solomon
94116	Timber Creek (Township of)	93741	St. Marys (Township of)
80310	Van Cleve	75765	Strahan
94356	Vienna (Township of)	76935	Tabor
94536	Washington (Township of)	85035	White Cloud
86765	Wolf Lake Addition	94719	White Cloud (Township of)
Mills County		Mitchell County	
90072	Anderson (Township of)	04285	Bailey
04350	Balfour	08850	Brownville
09630	Burr Oak	90411	Burr Oak (Township of)
90612	Center (Township of)	11035	Carpenter
13665	Clark	90555	Cedar (Township of)
14360	Climax	91047	Douglas (Township of)
90933	Deer Creek (Township of)	91116	East Lincoln (Township of)
25500	Emerson	37830	Hustad
28200	Folsom	92268	Jenkins (Township of)
31350	Glenwood	92478	Liberty (Township of)

FIPS ID	Name	FIPS ID	Name
45705	Little Cedar	91299	Fairview (Township of)
48045	McIntire	91416	Franklin (Township of)
51330	Meroa	91677	Grant (Township of)
51510	Meyer	32340	Grant Center
52905	Mitchell	92283	Jordan (Township of)
92955	Mitchell (Township of)	40560	Kennebec
53085	Mona (Hustad)	92307	Kennebec (Township of)
56190	New Haven	92355	Lake (Township of)
93075	Newburg (Township of)	92577	Lincoln (Township of)
59520	Orchard	92817	Maple (Township of)
59745	Osage	49170	Mapleton
93210	Osage (Township of)	53850	Moorhead
60285	Otranto	59092	Omaha Indian Reservation
93225	Otranto (Township of)	93175	Onawa
66585	Riceville	59115	Onawa
93663	Rock (Township of)	93176	Onawa (Township of)
67935	Rock Creek	68385	Rodney
69735	St. Ansgar	93867	Sherman (Township of)
93726	St. Ansgar (Township of)	93918	Sioux (Township of)
74820	Stacyville	73785	Soldier
94002	Stacyville (Township of)	93939	Soldier (Township of)
74865	Stacyville Junction	93996	Spring Valley (Township of)
78465	Toeterville	93735	St. Clair (Township of)
94245	Union (Township of)	78015	Ticonic
94614	Wayne (Township of)	79185	Turin
94683	West Lincoln (Township of)	79995	Ute
84405	West Mitchell	94671	West Fork (Township of)
		85215	Whiting
		94749	Willow (Township of)
	Monona County		
00850	Albaton		
90084	Ashton (Township of)		
90192	Belvidere (Township of)		
06940	Blencoe		
11530	Castana		
90615	Center (Township of)		
90828	Cooper (Township of)		
			Monroe County
		00910	Albia
		03925	Avery
		90285	Bluff Creek (Township of)
		08380	Bridgeport
		08635	Brompton

FIPS ID	Name	FIPS ID	Name
09200	Bucknell	24915	Elliott
09760	Buxton	91380	Frankfort (Township of)
90558	Cedar (Township of)	91530	Garfield (Township of)
15890	Consol	32295	Grant
23970	Eddyville	91680	Grant (Township of)
28640	Foster	35400	Hawthorne
91419	Franklin (Township of)	92580	Lincoln (Township of)
28945	Frederic	48315	McPherson
30270	Georgetown	54255	Morton Mills (Mortons Mill)
91800	Guilford (Township of)	54300	Mortons Mill
36525	Hiteman	93327	Pilot Grove (Township of)
36590	Hocking	66135	Red Oak
92151	Jackson (Township of)	93555	Red Oak (Township of)
46050	Lockman	71190	Sciola
46830	Lovilia	93798	Scott (Township of)
92812	Mantua (Township of)	93870	Sherman (Township of)
50475	Maxon	75000	Stanton
50970	Melrose	75225	Stennett
51530	Miami	77470	Tenville
92985	Monroe (Township of)	77475	Tenville Junction
93369	Pleasant (Township of)	80985	Villisca
66500	Rexfield	81795	Wales
71480	Selection	81950	Wallin
72255	Shehan Siding	94539	Washington (Township of)
94140	Troy (Township of)	94647	West (Township of)
79385	Tyrone		
94248	Union (Township of)		
94296	Urbana (Township of)		
82240	Ward		
94617	Wayne (Township of)		
83235	Weller		
	Montgomery County		
14880	Coburg		
91050	Douglas (Township of)		
91104	East (Township of)		
			Muscatine County
		02575	Ardon
		03385	Atalissa
		90279	Bloomington (Township of)
		90561	Cedar (Township of)
		15600	Cone (Conesville)
		15645	Conesville (Cone)
		17085	Cranston
		17715	Culver
		22980	Durant

FIPS ID	Name	FIPS ID	Name
26580	Fairport	90477	Carroll (Township of)
29280	Fruitland	90618	Center (Township of)
91491	Fruitland (Township of)	90876	Dale (Township of)
91494	Fulton (Township of)	91356	Floyd (Township of)
91590	Goshen (Township of)	91422	Franklin (Township of)
33600	Hahns Switch	30090	Gaza
92358	Lake (Township of)	30360	Germantown
52005	Midway Beach	91683	Grant (Township of)
53715	Montpelier	34725	Hartley
92997	Montpelier (Township of)	91884	Hartley (Township of)
54345	Moscow	91938	Highland (Township of)
93027	Moscow (Township of)	92481	Liberty (Township of)
55110	Muscatine	92583	Lincoln (Township of)
93048	Muscatine (Township of)	49155	Mapleside
56010	New Era	53220	Moneta
56685	Nichols	93174	Omega (Township of)
93204	Orono (Township of)	61905	Paullina
93318	Pike (Township of)	62690	Philby
63660	Pleasant Prairie	63795	Plessis
93816	Seventy-Six (Township of)	64650	Primghar
74100	South Muscatine	67305	Ritter
75450	Stockton	70410	Sanborn
94074	Sweetland (Township of)	72390	Sheldon
76845	Sweetland Center	94044	Summit (Township of)
81705	Walcott	76485	Sutherland
94419	Wapsinonoc (Township of)	94251	Union (Township of)
84315	West Liberty	94599	Waterman (Township of)
86070	Wilton		
94758	Wilton (Township of)		
86115	Wilton Junction		
	O'Brien County		Osceola County
02530	Archer	01225	Allendorf
90108	Baker (Township of)	90054	Allison (Township of)
90438	Caledonia (Township of)	03295	Ashton
10090	Calumet	90111	Baker (Township of)
		14565	Cloverdale
		91302	Fairview (Township of)
		91572	Gilman (Township of)

FIPS ID	Name	FIPS ID	Name
69330	Ruthven	93303	Perry (Township of)
93906	Silver Lake (Township of)	93429	Plymouth (Township of)
94338	Vernon (Township of)	93462	Portland (Township of)
94407	Walnut (Township of)	93507	Preston (Township of)
83550	West Bend	66405	Remsen
94650	West Bend (Township of)	93564	Remsen (Township of)
		69160	Ruble
	Plymouth County	71580	Seney
00415	Adaville	93921	Sioux (Township of)
00775	Akron	94005	Stanton (Township of)
90060	America (Township of)	75945	Struble
08875	Brunsville	94254	Union (Township of)
16950	Craig	79590	Union Center
18300	Dalton	94545	Washington (Township of)
91167	Elgin (Township of)	84270	West Le Mars (Dalton)
91188	Elkhorn (Township of)	84090	Westfield
91443	Fredonia (Township of)	94665	Westfield (Township of)
91533	Garfield (Township of)	87135	Wren
91689	Grant (Township of)		
91821	Hancock (Township of)		Pocahontas County
91908	Henry (Township of)	90183	Bellville (Township of)
36480	Hinton	90564	Cedar (Township of)
92007	Hungerford (Township of)	90621	Center (Township of)
39270	James	90740	Clinton (Township of)
92274	Johnson (Township of)	90768	Colfax (Township of)
41385	Kingsley	16185	Cora
44400	Le Mars	90867	Cummins (Township of)
92484	Liberty (Township of)	90984	Des Moines (Township of)
92589	Lincoln (Township of)	91074	Dover (Township of)
92865	Marion (Township of)	28245	Fonda
92904	Meadow (Township of)	91536	Garfield (Township of)
51375	Merrill	30945	Gilmore City
52365	Millnerville	91692	Grant (Township of)
55650	Neptune	35130	Havelock
58950	O'Leary	92361	Lake (Township of)
60780	Oyens	43725	Laurens

FIPS ID	Name	FIPS ID	Name
92592	Lincoln (Township of)	10315	Camp Dodge (Military Reservation)
92670	Lizard (Township of)	10290	Campbell
92880	Marshall (Township of)	10335	Canary Lake
61050	Palmer	10495	Capital Heights
63840	Plover	10540	Capitol Heights
63975	Pocahontas	10675	Carbondale
93474	Powhatan (Township of)	10765	Carlisle
65865	Rea	10945	Carney
67080	Ridotto	90690	Clay (Township of)
93685	Rolfe	14520	Clive
68520	Rolfe	14610	Clover Hills
93690	Roosevelt (Township of)	15285	Colonial Village
93873	Sherman (Township of)	15510	Commerce
94068	Swan Lake (Township of)	15915	Consumers Switch
80535	Varina	17355	Crestwood
82245	Ware	17445	Crocker
84810	Westview	90858	Crocker (Township of)
	Polk County	90951	Delaware (Township of)
00325	Acme	21000	Des Moines
00535	Adelphi	90987	Des Moines (Township of)
01180	Alleman	21015	Des Moines Municipal Airport
90042	Allen (Township of)	91056	Douglas (Township of)
01630	Altoona	23655	East Des Moines
02170	Andrews	23700	East Fourteenth Street
02305	Ankeny	24735	Elkhart
03225	Ashawa	91185	Elkhart (Township of)
04015	Avon	25680	Enterprise
04060	Avon Lake	27030	Farrar
90168	Beaver (Township of)	27840	Flint Junction
05230	Beaverdale	28470	Fort Des Moines
06220	Berwick	91371	Four Mile (Township of)
90270	Bloomfield (Township of)	91425	Franklin (Township of)
07390	Bondurant	31170	Glake
07705	Bowsher	31935	Grand
90456	Camp (Township of)	33060	Grimes

FIPS ID	Name	FIPS ID	Name
34950	Hastie	74010	South Des Moines
35850	Herrold	76710	Swanwood
35965	Hickman Road	94257	Union (Township of)
36165	Highland Park	79860	University Place
38325	Indianola Heights	79950	Urbandale
39090	Ivy	94308	Valley (Township of)
92247	Jefferson (Township of)	80220	Valley Junction
39765	Johnston	94410	Walnut (Township of)
39810	Johnston Station	94548	Washington (Township of)
92409	Lee (Township of)	94629	Webster (Township of)
44775	Levey	83910	West Des Moines
92595	Lincoln (Township of)	85125	White Oak
46535	Loring	86205	Windsor
46875	Lovington	86250	Windsor Heights
47235	Lundstrom Heights	86940	Woodland Hills
92781	Madison (Township of)	87465	Youngstown
49665	Marquisville		
47910	McCoy		Pottawattamie County
52320	Millman	03205	Ascot
52950	Mitchellville	03970	Avoca
57855	Norwoodville	90174	Belknap (Township of)
58305	Oak Park	05870	Bentley
59340	Oralabor	07435	Boomer
63435	Plaza Hills	90297	Boomer (Township of)
63525	Pleasant Hill	11170	Carson
64020	Polk City	90483	Carson (Township of)
66900	Rider	11215	Carter Lake
67260	Rising Sun	90624	Center (Township of)
69240	Runnells	12965	Chautauqua
70635	Santiago	13440	Clara
70905	Saydel	16860	Council Bluffs
70950	Saylor	17175	Crescent
93759	Saylor (Township of)	90852	Crescent (Township of)
70995	Saylorville	21585	Dodge Park
93762	Saylorville Reservoir (Unorganized Territory of)	22575	Dumfries
72345	Sheldahl	24150	Edison

FIPS ID	Name	FIPS ID	Name
26535	Fairmount Park	62895	Pinehurst
28785	Franklin	93372	Pleasant (Township of)
91545	Garner (Township of)	64965	Prospect Park
30855	Gilliatt	65270	Quick
31260	Glendale Acres	67755	Roberts Park
91788	Grove (Township of)	93678	Rockford (Township of)
34005	Hancock	68610	Roosevelt
34050	Hancock Junction	72300	Shelby
91839	Hardin (Township of)	93900	Silver Creek (Township of)
91896	Hazel Dell (Township of)	77170	Taylor
37020	Honey Creek	78240	Tinley
38235	Indian Creek	78825	Treynor
39045	Island Park	79320	Twin City Plaza Addition
92187	James (Township of)	79500	Underwood
92292	Kane (Township of)	94311	Valley (Township of)
92298	Keg Creek (Township of)	82065	Walnut
92325	Knox (Township of)	94551	Washington (Township of)
92364	Lake (Township of)	94605	Waveland (Township of)
42510	Lake Manawa	83640	West Broadway
92388	Layton (Township of)	84495	Weston
92433	Lewis (Township of)	94785	Wright (Township of)
92598	Lincoln (Township of)	94809	York (Township of)
46380	Longfellow	87400	York Center
46785	Loveland		
47955	Macedonia		Poweshiek County
92748	Macedonia (Township of)	04555	Barnes City
48405	Madison	90141	Bear Creek (Township of)
48765	Manawa (Lake Manawa)	08695	Brooklyn
47865	McClelland	10990	Carnforth
52590	Minden	90660	Chester (Township of)
92949	Minden (Township of)	19495	Deep River
55560	Neola	90930	Deep River (Township of)
93057	Neola (Township of)	22370	Dresden
93135	Norwalk (Township of)	26220	Ewart
58080	Oakland	91695	Grant (Township of)
62510	Peter	91774	Grinnell

FIPS ID	Name	FIPS ID	Name
92157	Jackson (Township of)	22980	Durant
42690	Lake View	23610	East Davenport
92430	Levey (Township of)	24105	Edgewood Park
47730	Lytton	24600	Eldridge
55515	Nemaha	26130	Evergreen (Trailer Park)
58575	Odebolt	29640	Gambrill
93612	Richland (Township of)	32430	Grant Wood
93723	Sac (Township of)	32655	Green Acres
69645	Sac City	91923	Hickory Grove (Township of)
71085	Schaller	38685	Iowana
79455	Ulmer	39315	Jamestown
94368	Viola (Township of)	42420	Lake Canyada
82020	Wall Lake	44085	Le Claire
94383	Wall Lake (Township of)	92391	Le Claire (Township of)
94710	Wheeler (Township of)	92490	Liberty (Township of)
	Scott County	92607	Lincoln (Township of)
90048	Allens Grove (Township of)	45570	Linwood
01945	Amity	45725	Little Groves
02665	Argo	46425	Long Grove
06355	Bettendorf	50655	Maysville (Amity)
06535	Big Rock	47820	McCausland
07075	Blue Grass	54660	Mount Joy
90282	Blue Grass (Township of)	55245	Nahant
09235	Buffalo	55940	New Dixon
90393	Buffalo (Township of)	56280	New Liberty
09325	Buffalo Heights	57585	Northwest
90429	Butler (Township of)	58350	Oakton
12450	Central	61365	Panorama Park
12660	Chapel Hill	61725	Park View
90726	Cleona (Township of)	63255	Plain View (Plainview)
19000	Davenport	63300	Plainview
90893	Davenport	63705	Pleasant Valley
90894	Davenport City (Township of)	93420	Pleasant Valley (Township of)
21540	Dixon	64740	Princeton
21720	Donahue	93510	Princeton (Township of)

FIPS ID	Name	FIPS ID	Name
64785	Probstei	92991	Monroe (Township of)
65100	Quad Cities	61275	Panama
66990	Ridgeview Park	93447	Polk (Township of)
67350	Riverdale	64120	Poplar
68115	Rockingham	64200	Portsmouth
93849	Sheridan (Township of)	66090	Red Line
78105	Tile Works	72300	Shelby
81705	Walcott	93834	Shelby (Township of)
82155	Walnut Grove	77430	Tennant
83865	West Davenport	94266	Union (Township of)
85620	Wildwood Camp	94560	Washington (Township of)
94764	Winfield (Township of)	84540	Westphalia
		94689	Westphalia (Township of)
	Shelby County		Sioux County
07570	Botna	01585	Alton
90513	Cass (Township of)	07840	Boyden
90627	Center (Township of)	90399	Buncombe (Township of)
90693	Clay (Township of)	90468	Capel (Township of)
16320	Corley	10810	Carmel
19585	Defiance	10900	Carnes
91062	Douglas (Township of)	90630	Center (Township of)
23385	Earling	12945	Chatsworth
24780	Elk Horn	91098	Eagle (Township of)
91305	Fairview (Township of)	91122	East Orange (Township of)
91731	Greeley (Township of)	91359	Floyd (Township of)
91791	Grove (Township of)	91539	Garfield (Township of)
91849	Harlan	91701	Grant (Township of)
34500	Harlan	32475	Granville
91850	Harlan (Township of)	35265	Hawarden
39000	Irwin	91965	Holland (Township of)
92160	Jackson (Township of)	37290	Hospers
39180	Jacksonville	37515	Hull
92256	Jefferson (Township of)	38820	Ireton
41520	Kirkman	43995	Lebanon
92610	Lincoln (Township of)	92613	Lincoln (Township of)
49010	Manteno		

FIPS ID	Name	FIPS ID	Name
92703	Logan (Township of)	37920	Huxley
92733	Lynn (Township of)	92034	Indian Creek (Township of)
50385	Matlock	38550	Iowa Center
50430	Maurice	40395	Kelley
48225	McNally	92340	Lafayette (Township of)
51645	Middleburg	92616	Lincoln (Township of)
93051	Nassau (Township of)	50520	Maxwell
56235	Newkirk	47775	McCallsburg
59475	Orange City	51870	Midvale
62265	Perkins	92934	Milford (Township of)
93345	Plato (Township of)	55695	Nevada
93549	Reading (Township of)	93063	Nevada (Township of)
93666	Rock (Township of)	93066	New Albany (Township of)
68205	Rock Valley	59295	Ontario
93813	Settlers (Township of)	93261	Palestine (Township of)
72390	Sheldon	93615	Richland (Township of)
93852	Sheridan (Township of)	67860	Robison-Whitaker Acres
93876	Sherman (Township of)	68475	Roland
93924	Sioux (Township of)	72345	Sheldahl
73290	Sioux Center	93879	Sherman (Township of)
94563	Washington (Township of)	72750	ShIPLEY
94635	Welcome (Township of)	73515	Slater
94653	West Branch (Township of)	75675	Story City
		78150	Timberland Heights
	Story County	94269	Union (Township of)
01855	Ames	94437	Warren (Township of)
07050	Bloomington	94566	Washington (Township of)
10225	Cambridge	83175	Welch Avenue
15195	Collins	87555	Zearing
90777	Collins (Township of)	87575	Zenorsville
15240	Colo		
27345	Fernald		Tama County
91428	Franklin (Township of)	09190	Buckingham
30630	Gilbert	90375	Buckingham (Township of)
91704	Grant (Township of)	90474	Carlton (Township of)
91992	Howard (Township of)	90480	Carroll (Township of)

FIPS ID	Name	FIPS ID	Name
12990	Chelsea	94128	Toledo (Township of)
90669	Clark (Township of)	78735	Traer
14655	Clutier	81120	Vining
90786	Columbia (Township of)	94812	York (Township of)
90864	Crystal (Township of)		
21495	Dinsdale		Taylor County
23160	Dysart	03430	Athelstan
24375	Elberon	05365	Bedford
30045	Garwin	90171	Bedford (Township of)
91554	Geneseo (Township of)	90222	Benton (Township of)
31035	Gladbrook	06985	Blockton
31080	Gladstone	09700	Bushville
91707	Grant (Township of)	90708	Clayton (Township of)
35175	Haven	13980	Clearfield
35690	Helena	15960	Conway
91944	Highland (Township of)	90885	Dallas (Township of)
91995	Howard (Township of)	91548	Gay (Township of)
92037	Indian Village (Township of)	91710	Grant (Township of)
38910	Irving	32520	Gravity
45255	Lincoln	91794	Grove (Township of)
92619	Lincoln (Township of)	33375	Guss
46430	Long Point	91971	Holt (Township of)
51440	Mesquakie Indian Settlement	92163	Jackson (Township of)
53670	Montour	92259	Jefferson (Township of)
93180	Oneida (Township of)	42320	Ladoga
93243	Otter Creek (Township of)	44490	Lenox
93306	Perry (Township of)	92883	Marshall (Township of)
93618	Richland (Township of)	92889	Mason (Township of)
69600	Sac and Fox Indian Reservation	51195	Merle (Merle Junction)
93750	Salt Creek (Township of)	51285	Merle Junction
93972	Spring Creek (Township of)	56370	New Market
77115	Tama	93126	Nodaway (Township of)
94083	Tama (Township of)	93348	Platte (Township of)
78510	Toledo	63390	Platteville
		93450	Polk (Township of)
		93705	Ross (Township of)

FIPS ID	Name	FIPS ID	Name
72075	Sharpsburg	90294	Bonaparte (Township of)
72930	Siam	10450	Cantril
94569	Washington (Township of)	90570	Cedar (Township of)
		90651	Chequest (Township of)
	Union County	90990	Des Moines (Township of)
00595	Afton	22035	Douds
02800	Arispe	26895	Farmington
90856	Creston	91320	Farmington (Township of)
17265	Creston	34645	Harrisburg
90857	Creston (Township of)	91851	Harrisburg (Township of)
17490	Cromwell	91911	Henry (Township of)
91011	Dodge (Township of)	92166	Jackson (Township of)
91065	Douglas (Township of)	40935	Keosauqua
91713	Grant (Township of)	41205	Kilbourn
91947	Highland (Township of)	43950	Leando
92280	Jones (Township of)	44040	Lebanon
40710	Kent	92505	Lick Creek (Township of)
92622	Lincoln (Township of)	52500	Milton
46515	Lorimor	54750	Mount Sterling
53235	Monette	54885	Mount Zion
93084	New Hope (Township of)	63120	Pittsburg
93351	Platte (Township of)	71490	Selma
93378	Pleasant (Township of)	75405	Stockport
93753	Sand Creek (Township of)	94275	Union (Township of)
71940	Shannon City	80000	Utica
73695	Snyder	94323	Van Buren (Township of)
74190	Spaulding	80670	Vernon
93954	Spaulding (Township of)	94341	Vernon (Township of)
77070	Talmage	94359	Village (Township of)
77565	Thayer	94572	Washington (Township of)
94272	Union (Township of)	86150	Winchester
	Van Buren County		Wapello County
05950	Bentonsport	90015	Adams (Township of)
06625	Birmingham	00640	Agency (RR name Agency City)
07345	Bonaparte	90027	Agency (Township of)

FIPS ID	Name	FIPS ID	Name
00685	Agency City (RR name for Agency)		Warren County
03270	Ashland	00235	Ackworth
06510	Bidwell	90045	Allen (Township of)
06715	Bladensburg	05455	Beech
06850	Blakesburg	90189	Belmont (Township of)
90516	Cass (Township of)	06490	Bevington
90633	Center (Township of)	10765	Carlisle
13215	Chillicothe	13305	Churchville
14340	Cliffland	15735	Conger
90789	Columbia (Township of)	16005	Cool
15575	Competine	17850	Cumming
90795	Competine (Township of)	32675	Greenbush
18030	Dahlonge	91764	Greenfield (Township of)
90870	Dahlonge (Township of)	32835	Greenfield Plaza
22530	Dudley	34680	Hartford
23970	Eddyville	38280	Indianola
24420	Eldon	92036	Indianola
27075	Farson	92169	Jackson (Township of)
91737	Green (Township of)	92262	Jefferson (Township of)
36075	Highland (Highland Center)	42285	Lacona
91950	Highland (Township of)	42735	Lakewood
36120	Highland Center (Highland)	92493	Liberty (Township of)
92313	Keokuk (Township of)	44940	Liberty Center
41565	Kirkville	92625	Lincoln (Township of)
46035	Loch Burns	92652	Linn (Township of)
54975	Munterville	49890	Martensdale
59670	Ormanville	50835	Medora
60465	Ottumwa	52455	Milo
60490	Ottumwa Industrial Airport	56595	New Virginia
60510	Ottumwa Junction	57675	Norwalk
93381	Pleasant (Township of)	59610	Orillia
93453	Polk (Township of)	93228	Otter (Township of)
93621	Richland (Township of)	61185	Palmyra
69420	Rutledge	93264	Palmyra (Township of)
74145	South Ottumwa	64830	Prole
94575	Washington (Township of)		

FIPS ID	Name	FIPS ID	Name
93624	Richland (Township of)	92868	Marion (Township of)
70590	Sandyville	56750	Nira
71265	Scotch Ridge	56820	Noble
74685	Spring Hill	93195	Oregon (Township of)
93999	Squaw (Township of)	66765	Richmond
70095	St. Marys	67440	Riverside
76125	Summerset	69150	Rubio
94278	Union (Township of)	93819	Seventy-Six (Township of)
94371	Virginia (Township of)	78375	Titus
94576	Washington (Township of)	82335	Washington
84620	West Saint Marys	94578	Washington (Township of)
94716	White Breast (Township of)	83280	Wellman
94725	White Oak (Township of)	83775	West Chester
85440	Wick		
			Wayne County
	Washington County	01270	Allerton
00730	Ainsworth	90225	Benton (Township of)
08470	Brighton	06250	Bethelhem
90339	Brighton (Township of)	06310	Bethlehem
90573	Cedar (Township of)	08400	Bridgeport
90696	Clay (Township of)	10180	Cambria
16140	Coppock	90699	Clay (Township of)
90849	Crawford (Township of)	90747	Clinton (Township of)
17130	Crawfordsville	14475	Clio
19225	Daytonville	15690	Confidence
91089	Dutch Creek (Township of)	16635	Corydon
91236	English River (Township of)	90840	Corydon (Township of)
91431	Franklin (Township of)	30170	Genoa
31755	Grace Hill	91617	Grand River (Township of)
34905	Haskins	34815	Harvard
91953	Highland (Township of)	91998	Howard (Township of)
92073	Iowa (Township of)	37605	Humeston
92172	Jackson (Township of)	92175	Jackson (Township of)
40170	Kalona	92265	Jefferson (Township of)
44850	Lexington	45435	Lineville
92511	Lime Creek (Township of)	52275	Millerton

FIPS ID	Name	FIPS ID	Name
92994	Monroe (Township of)	28110	Flugstad
56640	New York	28515	Fort Dodge
64875	Promise City	91370	Fort Dodge
93627	Richman (Township of)	28560	Fort Dodge Junction
71670	Sewal	28575	Fort Dodge Municipal Airport
71760	Seymour	91497	Fulton (Township of)
93951	South Fork (Township of)	31710	Gowrie
94281	Union (Township of)	91596	Gowrie (Township of)
94413	Walnut (Township of)	33510	Gypsum
94440	Warren (Township of)	34410	Harcourt
94581	Washington (Township of)	91842	Hardin (Township of)
94788	Wright (Township of)	38370	Industry
	Webster County	92178	Jackson (Township of)
04195	Badger	92277	Johnson (Township of)
90102	Badger (Township of)	39990	Judd
04645	Barnum	40125	Kalo
07545	Border Plains	43320	Lanyon
08920	Brushy	44265	Lehigh
09595	Burnside	44445	Lena
90405	Burnside (Township of)	92715	Lost Grove (Township of)
09955	Callender	47190	Lundgren
13485	Clare	53895	Moorland
90702	Clay (Township of)	93069	Newark (Township of)
13935	Clayworks	60105	Otho
14835	Coalville	93220	Otho (Township of)
90771	Colfax (Township of)	61095	Palm Grove (Palmgrove)
90831	Cooper (Township of)	61140	Palmgrove
19180	Dayton	93423	Pleasant Valley (Township of)
90915	Dayton (Township of)	67665	Roberts
90936	Deer Creek (Township of)	68430	Roelyn
91068	Douglas (Township of)	93684	Roland (Township of)
22755	Duncombe	71815	Shady Oak
91191	Elkhorn (Township of)	73560	Slifer
26085	Evanston	75810	Stratford
26940	Farnhamville	94053	Sumner (Township of)

FIPS ID	Name	FIPS ID	Name
77160	Tara	90414	Burr Oak (Township of)
81075	Vincent	10045	Calmar
94381	Wahkonsa (Township of)	90447	Calmar (Township of)
94584	Washington (Township of)	90462	Canoe (Township of)
94632	Webster (Township of)	11485	Castalia
84135	West Fort Dodge	15780	Conover
94800	Yell (Township of)	19405	Decorah
		90924	Decorah (Township of)
	Winnebago County	27435	Festina
90396	Buffalo (Township of)	28425	Fort Atkinson
09280	Buffalo Center	28875	Frankville
90636	Center (Township of)	91434	Frankville (Township of)
91152	Eden (Township of)	29145	Freeport
91365	Forest (Township of)	91485	Fremont (Township of)
28380	Forest City	91578	Glenwood (Township of)
91716	Grant (Township of)	35040	Haugendale
92316	King (Township of)	35895	Hesper
42555	Lake Mills	91917	Hesper (Township of)
44355	Leland	91956	Highland (Township of)
92628	Lincoln (Township of)	36210	Highlandville
92640	Linden (Township of)	92181	Jackson (Township of)
92706	Logan (Township of)	39135	Jackson Junction
93038	Mount Valley (Township of)	40530	Kendallville
55470	Neils	92631	Lincoln (Township of)
93105	Newton (Township of)	46110	Locust
93141	Norway (Township of)	92787	Madison (Township of)
65415	Rake	92937	Military (Township of)
71040	Scarville	57000	Nordness
77745	Thompson	93201	Orleans (Township of)
81130	Vinje	59970	Ossian
		93384	Pleasant (Township of)
	Winneshiek County	67035	Ridgeway
90273	Bloomfield (Township of)	70725	Sattre
07165	Bluffton	74370	Spillville
90288	Bluffton (Township of)	93984	Springfield (Township of)
09640	Burr Oak	94056	Sumner (Township of)

FIPS ID	Name	FIPS ID	Name
94587	Washington (Township of)	62760	Pierson
	Woodbury County	67485	Riverside
02350	Anthon	93669	Rock (Township of)
90078	Arlington (Township of)	93720	Rutland (Township of)
90123	Banner (Township of)	70320	Salix
08650	Bronson	71625	Sergeant Bluff
10000	Call Terminal	72795	Shore Acres
14385	Climbing Hill	73335	Sioux City
90810	Concord (Township of)	93925	Sioux City
16545	Correctionville	93926	Sioux City (Township of)
17940	Cushing	73350	Sioux City Municipal Airport
18390	Danbury	73605	Sloan
91362	Floyd (Township of)	93929	Sloan (Township of)
91623	Grange (Township of)	73650	Smithland
91719	Grant (Township of)	74595	Springdale
36750	Holly Springs	75495	Stock Yards
37200	Hornick	94284	Union (Township of)
92295	Kedron (Township of)	94674	West Fork (Township of)
92373	Lakeport (Township of)	85485	Wickham Spur
43905	Lawton	94752	Willow (Township of)
44175	Leeds	94770	Wolf Creek (Township of)
92496	Liberty (Township of)	94773	Woodbury (Township of)
92661	Liston (Township of)		Worth County
92667	Little Sioux (Township of)	90132	Barton (Township of)
47325	Luton	07255	Bolan
92940	Miller (Township of)	08530	Bristol
93015	Morgan (Township of)	90345	Bristol (Township of)
54075	Morningside	90357	Brookfield (Township of)
54680	Mount Lucia	90891	Danville (Township of)
54930	Moville	19520	Deer Creek
93045	Moville (Township of)	90939	Deer Creek (Township of)
57450	North Side	27390	Fertile
60240	Oto	91338	Fertile (Township of)
93222	Oto (Township of)	31890	Grafton
60600	Owego	91797	Grove (Township of)

FIPS ID	Name	FIPS ID	Name
34185	Hanlontown	91101	Eagle Grove (Township of)
91881	Hartland (Township of)	27885	Florence
39855	Joice	29550	Galt
40665	Kensett	31530	Goldfield
92310	Kensett (Township of)	91722	Grant (Township of)
92634	Lincoln (Township of)	36795	Holmes
48900	Manly	92076	Iowa (Township of)
51015	Meltonville	92367	Lake (Township of)
57630	Northwood	92499	Liberty (Township of)
73200	Silver Lake	92637	Lincoln (Township of)
93909	Silver Lake (Township of)	93144	Norway (Township of)
94287	Union (Township of)	57900	Nuel
	Wright County	58755	Olaf
05680	Belmond	93387	Pleasant (Township of)
90186	Belmond (Township of)	69015	Rowan
90261	Blaine (Township of)	73740	Solberg
90306	Boone (Township of)	94143	Troy (Township of)
13620	Clarion	94344	Vernon (Township of)
16410	Cornelia	94386	Wall Lake (Township of)
90918	Dayton (Township of)	87015	Woolstock
22305	Dows	94779	Woolstock (Township of)
23250	Eagle Grove		
	Out of State		
99020	Kansas		
99027	Minnesota		
99029	Missouri		
99031	Nebraska		
99046	South Dakota		
99055	Wisconsin		
99999	Not listed		

Appendix D Medication List

01	10% Dextrose	30	Ipratrocium Bromide (Atrovent)
02	25% Dextrose	31	Lidocaine
03	50% Dextrose	32	Lidocaine lubricant
04	Acetaminophen (Tylenol) Supp.	33	Lidocaine pre-mixed bag
05	Acetylsalicylic Acid (Aspirin) chewable	34	Magnesium Sulfate
06	Activated Charcoal w/Sorbitol	35	Merperidine Hydrochloride (Demerol)
07	Adenosine (Adenocard)	36	Midazolam (Versed)
08	Afrin (Oxymetazoine Hydrochloride)	37	Morphine Sulfate
09	Albuterol (Proventil)	38	Nalbuphine (Nubain)
10	Atropine	39	Naloxone Hydrochloride (Narcan)
11	Brethine (Terbutaline)	40	Nitroglycerin Spray
12	Bretylium (Bretylol)	41	Nitrous Oxide
13	Calcium Chloride	42	Normal Saline IV Solution
14	Cardizem (Diltazem)	43	Oral Glucose
15	Cordarone (Amiodarone)	44	Oxytocin (Pitocin)
16	Cyanide Antidote	45	Phenylephrine (Neo-Synephrine)
17	D5W IV Solution	46	Procainamide (Pronestyl)
18	Diazepam (Valium)	47	Prochlorperazine (Compazine)
19	Diphenhydramine Hydrochloride (Benadryl)	48	Promethazine HCL (Phenergran)
20	Dopamine (Intropin)	49	Proparacaine (Alcaine)
21	Epinephrine 1:10,000	50	Racernic Epinephrine (Vaponephpin)
22	Epinephrine 1:1000	51	Sodium Bicarbonate-8.4%
23	Etomidale (Amidale)	52	Sodium Chloride Flush
24	Fentanyl	53	Sodium Pentothal
25	Flumazanil (Ramazicon)	54	Solu-Medrol (Methylprednisone Succinate)
26	Furosemide (Lasix)	55	Sterile Water (Injectable)
27	Glucagon	56	Thiamine
28	Inapsine (Droperidol)	57	Verapamil (Calan)
29	Ipecac	77	Other

Note: This list is currently listed and numbered alphabetically. This order may change with the addition or deletion of medications. Numbers will stay assigned as listed with new numbers issued for future additions.

Appendix E

Flat ASCII File Format

Element Name	Field Type	Length	Start Position	End Position
Lithocode	Numeric*◆	8	1	8
Agency / Unit Number	Numeric*◆	9	9	17
Incident Number	Alpha/Numeric*◆	9	18	26
Date Incident Reported	Date*◆	8	27	34
PCR Report Date	Date*	8	35	42
Estimated Date of Injury/Onset Symptoms	Date	8	43	50
Estimated Time of Injury/Onset Symptoms	Numeric	6	51	56
Incident GPS Location	Alpha/Numeric	20	57	76
Incident City / County FIPS	Numeric*	5	77	81
Incident Type (Service Type)	Numeric*◆	2	82	83
Location Type	Numeric*	2	84	85
Incident / Patient Disposition	Numeric*	2	86	87
Primary Crewmember Cert Type	Numeric*	2	88	89
Primary Crewmember Cert Number	Numeric	7	90	96
Crewmember Two Cert Type	Numeric	2	97	98
Crewmember Two Cert Number	Numeric	7	99	105
Crewmember Three Cert Type	Numeric	2	106	107
Crewmember Three Cert Number	Numeric	7	108	114
Crewmember Four Cert Type	Numeric	2	115	116
Crewmember Four Cert Number	Numeric	7	117	123
PSAP Time of Call	Numeric	6	124	129
Dispatched (Time Unit Notified)	Numeric*	6	130	135
Responding (Time Unit Responded)	Numeric	6	136	141
Arrive Scene (Time arrived at Scene)	Numeric	6	142	147
Arrive Patient (Time of arrived at Patient)	Numeric	6	148	153
Depart Scene (Time Unit left Scene)	Numeric	6	154	159
Arrive Destination (Time at Facility/Dest.)	Numeric	6	160	165
Available (Time back in service)	Numeric*	6	166	171
Patient's First Name	Alpha/Numeric	15	172	186
Patient's Last Name	Alpha/Numeric	15	187	201
Patient's Street Address	Alpha/Numeric	30	202	231
City of Residence	Alpha/Numeric	30	232	261
State of Residence	Alpha/Numeric	2	262	263
Zip Code of Residence	Numeric	5	264	268
Social Security Number	Numeric	9	269	277
Date of Birth	Date◆	8	278	285
Age	Alpha/Numeric	4	286	289
Gender	Numeric◆	2	290	291
Race / Ethnicity	Numeric	2	292	293
Vehicle Type	Numeric*	2	294	295

Element Name	Field Type	Length	Start Position	End Position
Response Mode (To Scene)	Numeric	2	296	297
Transport Mode (From Scene)	Numeric	2	298	299
Mechanism of Injury	Numeric	10	300	309
Pertinent Pre-Existing Conditions	Numeric	10	310	319
Signs and Symptoms Present	Numeric	10	320	329
Provider Impression	Numeric♦	2	330	331
Scene Factors Affecting EMS Delivery	Numeric	6	332	337
Injury Description	Numeric	6	338	343
Safety Devices	Numeric	10	344	353
Motor Vehicle Impact	Numeric	6	354	359
Witnessed Cardiac Arrest	Numeric	2	360	361
Time of Cardiac Arrest	Numeric	6	362	367
Provider of First CPR	Numeric	2	368	369
Time of First CPR	Numeric	6	370	375
Provider of First Defib	Numeric	2	376	377
Time of First Defib	Numeric	6	378	383
Number of Defib shocks	Numeric	2	384	385
Time CPR Discontinued	Numeric	6	386	391
Time of Spontaneous Circulation Returned	Numeric	6	392	397
Alcohol /Drug Use	Numeric	2	398	399
Initial Vital Signs Time	Numeric	6	400	405
Initial Pulse Rate	Numeric	3	406	408
Initial Respiratory Rate	Numeric	3	409	411
Initial Systolic Blood Pressure	Numeric	3	412	414
Initial Diastolic Blood Pressure	Numeric	3	415	417
Initial Palpated Diastolic Blood Pressure	Numeric	1	418	418
Initial Skin Perfusion	Numeric	2	419	420
Initial GCS - Eye Opening Component	Numeric	2	421	422
Initial GCS - Verbal Component	Numeric	2	423	424
Initial GCS - Motor Component	Numeric	2	425	426
Initial Revised Trauma Score	Numeric	2	427	428
Initial Cardiac Rhythm Time	Numeric	6	429	434
Initial Cardiac Rhythm	Numeric	2	435	436
Final Cardiac Rhythm Time	Numeric	6	437	442
Final Cardiac Rhythm (At Destination)	Numeric	2	443	444
Final Vital Signs Time	Numeric	6	445	450
Final Pulse Rate	Numeric	3	451	453
Final Respiratory Rate	Numeric	3	454	456
Final Systolic Blood Pressure	Numeric	3	457	459
Final Diastolic Blood Pressure	Numeric	3	460	462
Final Palpated Diastolic Blood Pressure	Numeric	1	463	463
Final Skin Perfusion	Numeric	2	464	465
Final GCS - Eye Opening Component	Numeric	2	466	467
Final GCS - Verbal Component	Numeric	2	468	469
Final GCS - Motor Component	Numeric	2	470	471
Final Revised Trauma Score	Numeric	2	472	473

Element Name	Field Type	Length	Start Position	End Position
Procedure or Treatment Name	Numeric	60	474	533
Level of Care Provided (Nature of Incident)	Numeric*♦	2	534	535
Medication Name	Numeric	56	536	591
Destination Determination	Numeric	2	592	593
Prior Aid	Numeric	2	594	595
Receiving Agency	Numeric	7	596	602
Research 1	Numeric	4	603	606
Research 2	Numeric	4	607	610
Research 3	Numeric	4	611	614
Research 4	Numeric	4	615	618
Dataset Version	Numeric	2	619	620

Items marked with a * are mandatory for all records submitted.

Items marked with a ♦ are the only mandatory elements for non-emergent transports

The field type denotes the expected format for that field. If the field is not used then spaces should be submitted in place of the field type.

Appendix F

Minimum data set for Non-Emergent Transports

The Iowa Department of Public Health, Bureau of EMS has created a minimum data set for the submission of non-emergent transports. This set consists of data elements from the Iowa EMS Patient Registry. Please refer to the appropriate element sections in this data dictionary for definitions and technical discussions.

Submission can be handled by submitting information in the flat ASCII file format in Appendix E or by using the web entry form at <http://ia.webcur.com>.

Data Element Name	Section Number
Lithocode	1
Agency Number	2
Incident Number	3
Date of Transport	4
Date of Birth	36
Gender	38
Provider Impression	46
Level of Care	88
Incident Type *	10

* If submitted using flat ASCII file format this element is required and it needs to be submitted with a value of 88.