City of Albuquerque
Department of Technology and Innovation
Data Management

Data.cabq.gov Core Metadata Requirements

Contact Information

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What Does this Dataset Describe?

Dataset Title	APD_Incidents
Short Description	Location of calls for service by APD
Full Non-Technical Description	
This dataset contains the block location, case number description and date of calls for service received by APD that have been entered into the Computer Aided Dispatch (CAD) system and subsequently closed. No personally identifiable information (PII) is released. This dataset is a rolling 180 days of incidents.	

How Should this Dataset be Cited?

http://data.cabq.gov/publicsafety/policeincidents/policeincidentsJSON_ALL

http://data.cabq.gov/publicsafety/policeincidents/policeincidentsREST

http://data.cabq.gov/publicsafety/policeincidents/policeincidentsKML

http://data.cabq.gov/publicsafety/policeincidents/nibrAbqCodes.csv

Does the Dataset Reflect a Particular Time Period?

Start Date	Varies – rolling 180 days from current
End Date	Varies – rolling 180 days from current
Dataset Refresh Interval	Daily
Dataset Expiration Date	Never
Dataset Review Date	Monthly
Comments	
The start date varies, the dataset will always contain 180 days of records.	

Dataset Definition/Format

policeincidentsJSON_ALL			
Field Name	**Field Alias**	**Format**	**Description**
OBJECTID	Object_ID	esriFieldTypeOID	ESRI generated OBJECTID – This is not the case id. There will be one unique ID per record, although the ID itself is not guaranteed across different requests for the dataset (i.e. a separate request for the same dataset *could*, potentially, have different OBJECTID's).
BlockAddress	Location	esriFieldTypeString	Neighborhood block level location of incident.
IncidentType	Description	esriFieldTypeString	Description/type of incident. Based on NIBRS incident types used by Albuquerque Police Department. It will be one of the values found in nibrAbqCodes.csv. More information on NIBRS can be found at http://www.fbi.gov/about-us/cjis/ucr/nibrs/nibrs-user-manual
Date	Date	esriFieldTypeDate	Date that the incident was **reported** as milliseconds since Jan 1st 1970 UTC. Note that this might be different to the date on which the incident took place.

policeincidentsKML		
Field Name	**Format**	**Description**
Field Name	Text	Table Header
Field Value	Text	Table Header
Object_ID	Text	ESRI generated OBJECTID – This is not the case id. There will be one unique ID per record, although the ID itself is not guaranteed across different requests for the dataset (i.e. a separate request for the same dataset *could*, potentially, have different OBJECTID's). – Table Data
Location	Text	Neighborhood block level location of incident. – Table Data
Description	Text	Description/type of incident. Based on NIBRS incident types used by Albuquerque Police Department. It will be one of the values found in nibrAbqCodes.csv. – Table Data More information on NIBRS can be found at http://www.fbi.gov/about-us/cjis/ucr/nibrs/nibrs-user-manual
Date	Text	Date that the incident was **reported** – Table Data Note that this might be different to the date on which the incident took place.

nibrAbqCodes.csv (National Incident-Based Reporting System used by Albuquerque)		
Field Name	**Format**	**Description**
NIBRS Group	Text	Reported Offense Categories
NIBRS Heading	Text	Reported Offense Category Headings
CABQ Offense	Text	Offense in the CABQ field CVINC_TYPE found in the JSON file
NIBRS Code	Text	Code associated with the Reported Offense

REST Format

Please refer to REST API for information on how to use the REST API.

The xxxREST file takes you to the ArcGIS REST Services Directory for the Incidents layer. This folder contains the REST Metadata for the Incidents layer. You can click on the JSON link at the top of the page to see the same info in JSON format.

There are three supported options at the bottom of the page. Query   Generate Renderer   Return Updates. You can click on each of the links to navigate to corresponding page in the ArcGIS REST Services Directory for the Incidents layer.

To generate JSON data based on selected attributes or spatial inputs, see the REST Query page.

- Note that it is also possible to generate KMZ and HTML output from this page (Format selection)

- To return all records use "1=1" for the "Where" field.

- To return all fields use "*" for "Out Fields". For selected fields enter the name of the fields separated by commas.

ArcGIS JSON Format

Please refer to http://www.json.org/ for general information on the JSON file format.

The specific attributes described below are unique to the xxxJSON files. Each xxxJSON in the directory listing will take you to the query results described in the file name.

For Example:

  * xxxJSON_All returns all data for all incident locations in the Incidents layer.

The file name is: xxxJSON _xxxx where xxx is a description of the data in the file.

KML Format

Please refer to https://developers.google.com/kml/documentation/kmlreference for information on the KML file format. The KMZ file described here contains one or more KML files zipped together.

The specific data elements described above are unique to the policeincidentsKML file and are found in the KML element <description> <![CDATA[<html>. The data is embedded in an html table using standard HTML code for Table, Table Row, Table Header and Table data.

Dataset Technical Description

Projection: NAD_1983_HARN_StatePlane_New_Mexico_Central_FIPS_3002_Feet

Changing Projection

Please note that the default projection for data accessed through the REST endpoint is Web Mercator. This is to assist integration with services such as Google and Bing. Developers can change projection by modifying the outSR parameter in the URL like this:

http://coagisweb.cabq.gov/arcgis/rest/services/public/APD_Incidents/MapServer/0/query?where=1%3D1&text=&objectIds=&time=&geometry=&geometryType=esriGeometryEnvelope&inSR=&spatialRel=esriSpatialRelIntersects&relationParam=&outFields=*&returnGeometry=true&maxAllowableOffset=&geometryPrecision**=&outSR=4326**&returnIdsOnly=false&returnCountOnly=false&orderByFields=&groupByFieldsForStatistics=&outStatistics=&returnZ=false&returnM=false&gdbVersion=&returnDistinctValues=false&f=pjson

Original URL:

http://coagisweb.cabq.gov/arcgis/rest/services/public/APD_Incidents/MapServer/0/query?where=1%3D1&text=&objectIds=&time=&geometry=&geometryType=esriGeometryEnvelope&inSR=&spatialRel=esriSpatialRelIntersects&relationParam=&outFields=*&returnGeometry=true&maxAllowableOffset=&geometryPrecision=&outSR=&returnIdsOnly=false&returnCountOnly=false&orderByFields=&groupByFieldsForStatistics=&outStatistics=&returnZ=false&returnM=false&gdbVersion=&returnDistinctValues=false&f=pjson

The value of &outSR is the Well Known ID (wkid) of the projection required. One popular wkid for latitude and longitude is WGS_1984 – this has a wkid of 4326. A full list of supported projections, coordinates and wkid's can be found at

https://developers.arcgis.com/en/javascript/jsapi/spatialreference.html

xxxJSON _xxx:

> This returns the result of the query directly from the REST service.

Please refer to http://www.json.org/ for information on the JSON file format.

xxxREST:

> This file navigates you to the ArcGIS REST Services Directory for the Public Art layer.

Please refer to REST API for information on how to use the REST API.

Dataset Assumptions

This dataset makes a number of important assumptions:

- These data represent those incidents that have been received by APD, entered into the Computer Aided Dispatch(CAD) system and subsequently closed. This means that there may be a difference between the date on which an incident took place and the date on which the incident appears.

- Incident types must be considered as transitory and only reflects the known incident type at the time the data is created. This means that the incident type may change over time. The final, definitive incident type and disposition is reported to the FBI as part of the Uniform Crime Report (UCR). More details on UCR can be found at http://www.fbi.gov/about-us/cjis/ucr/ucr.

- The intent of this dataset is to provide a frequent snapshot of incidents in Albuquerque. More rigorous analysis should continue to use the UCR as a data source.

- This dataset excludes certain kinds of CAD records such as (but not limited to) Chief's Overtime, Use of Force Investigations, Bolos (be on the look out), and SWAT calls.

- Addresses have been mapped to the neighborhood block level to protect privacy.

- NibrAbqCodes.csv is a manually produced file based on available data and the incident types found in http://www.fbi.gov/about-us/cjis/ucr/nibrs/nibrs-user-manual. There may be some codes that are no longer used or not contained in the file. As such, it may contain inaccuracies and/or undefined references.

Who Produced the Dataset?

The Department of Technology and Innovation (DTI) manages the process that spatially enables Incidents.

GIS Team
Department of Technology and Innovation
Email: gis@cabq.gov

Who Manages the Data?

Albuquerque Police Department manages the data. The Department of Technology and Innovation (DTI) manages the process that spatially enables APD Incidents for Open Data publication.

Why was the Dataset Created?

The intent of this dataset is to provide a frequent snapshot of incidents in Albuquerque. This dataset

contains no personally identifiable information (PII).

How was the Dataset Created?

The dataset is created by copying the ArcSDE feature class updated daily by APD called CM_Incidents. The Incidents layer is updated daily for public consumption through ESRI's ArcGIS Server technology. The process that publishes the data copies a dataset created by an APD process that is already filtered for use in http://www.crimemapping.com/ and other analysis tools to a local ESRI file geodatabase. The date value is stored as an integer representing the milliseconds since Jan 1st 1970 UTC.

The nibrAbqCodes.csv (National Incident-Based Reporting System) file is generated manually as a reference file.

What Similar or Related Data Should the User be Aware of?

Please see the metadata file in each of the dataset folders for information on how to use the information.

Neighborhoods
http://data.cabq.gov/community/neighborhoods/NeighborhoodAssociations.kmz

Open Space
http://data.cabq.gov/community/openspace/CityOpenSpace.kmz
http://data.cabq.gov/community/openspace/OpenSpaceFoothillsTrails.kmz

Parks
http://data.cabq.gov/community/parksandrec/parks/CityParks.kmz

Police Beats
http://data.cabq.gov/publicsafety/policebeats/APD_BCSO_Beats.kmz

Transit Scheduled Route
http://data.cabq.gov/transit/realtime/route/allroutes.kml

http://data.cabq.gov/transit/realtime/route/routeX.kml
Where X is the route number between 1 and 9.

http://data.cabq.gov/transit/realtime/route/routeXX.kml
Where XX is the route number between 10 and 99

http://data.cabq.gov/transit/realtime/route/routeXXX.kml
Where XXX is the route number between 100 and 999.

http://data.cabq.gov/transit/realtime/route/routeXXXX.kml
Where XXXX is the route number between 1000 and 9999.

Bus Location and Direction
http://data.cabq.gov/transit/realtime/
Where you have folders for: image, route, trace.

Building Permits
http://data.cabq.gov/business/buildingpermits/BuildingPermit.kmz

FEMA Exemptions Certificates
 http://data.cabq.gov/FEMA/FEMA_exemptions_CABQ.kmz

How Reliable are the Data?

Although the data can be considered reliable, users should note that:

- Incident location information may be approximate based on input from the caller or responding officer.

- Incident date is the date the incident was recorded – not necessarily the date that it took place

- Incident type may change as the incident and any subsequent investigation progresses.

How Well Have the Observations Been Checked?

Quality Assurance (QA)/Quality Control (QC) is performed by APD and all published data is considered reviewed and accurate.

Are there Legal Restrictions on the Access or Use of the Data?

None

Legal Disclaimer

The City's standard copyright, disclaimers and legal statements may be found at http://www.cabq.gov/about/legal. The City data policy governing data.cabq.gov may be found at http://data.cabq.gov/policy/.