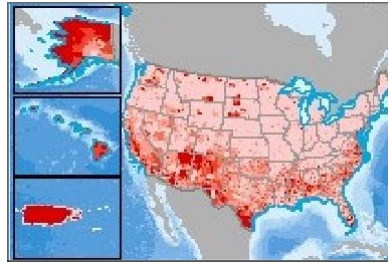


# Census Block Groups with Low Income and Minority Statistics



## Tags

census, american community survey, population, low income, poverty, minority, race

## Summary

Provides measures of environmental justice at a block group level for the U.S. based on the 2018 American Community Survey (5-Year) data. Environmental justice methodology is based on Executive Order 12898 of February 11, 1994, and more specific guidance from the Council on Environmental Quality (page 25 of: [https://www.epa.gov/sites/production/files/2015-02/documents/ej\\_guidance\\_nepa\\_ceq1297.pdf](https://www.epa.gov/sites/production/files/2015-02/documents/ej_guidance_nepa_ceq1297.pdf)). These results use block groups as the unit of geographic analysis, state averages as the area for comparison, and 20% over the state average as the "meaningfully greater" threshold.

## Description

Depicts U.S. Census Block Groups with low income and minority statistics from the 2018 American Community Survey (5-Year). Standard environmental justice metrics were computed by Argonne National Laboratory, including percent low income, percent total minority and single race/ethnicity categories, and each percentage minus 20% over the state average of each category.

## Credits

U.S. Census, American Community Survey, Argonne National Laboratory

## Use limitations

There are no access and use limitations for this item.

## Extent

**West** -179.231086    **East** 179.859681  
**North** 71.439786    **South** 17.831509

## Scale Range

**Maximum (zoomed in)** 1:50,000  
**Minimum (zoomed out)** 1:20,000,000

## Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE    economy, society  
\* CONTENT TYPE    Downloadable Data  
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION    No

## Citation

TITLE    Census Block Groups with Low Income and Minority Statistics  
PUBLICATION DATE    2018  
PRESENTATION FORMATS    \* digital map  
OTHER CITATION DETAILS

Downloaded source data from <https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-data.html>, specifically [https://www2.census.gov/geo/tiger/TIGER\\_DP/2018ACS](https://www2.census.gov/geo/tiger/TIGER_DP/2018ACS) and processed files to join needed tables to block groups, merge state layers into U.S. layer, and compute environmental justice metrics.

Income statistics (Table B17021) can be viewed interactively at [https://data.census.gov/cedsci/table?q=poverty%20status%20of%20individuals&g=0400000US01\\_0500000US01003&tid=ACSDT5Y2018.B17021&hidePreview=true](https://data.census.gov/cedsci/table?q=poverty%20status%20of%20individuals&g=0400000US01_0500000US01003&tid=ACSDT5Y2018.B17021&hidePreview=true)

Race and Ethnicity statistics (Table B03002) can be viewed interactively at <https://data.census.gov/cedsci/table?q=hispanic%20or%20latino%20origin%20by%20race&g=0500000US01003&tid=ACSDT5Y2018.B03002&hidePreview=true>

## Citation Contacts

### RESPONSIBLE PARTY

INDIVIDUAL'S NAME Jim Kuiper  
ORGANIZATION'S NAME Argonne National Laboratory  
CONTACT'S ROLE processor

### CONTACT INFORMATION

#### PHONE

VOICE 630-252-6206

#### ADDRESS

TYPE postal  
DELIVERY POINT 9700 S. Cass Avenue  
CITY Lemont  
ADMINISTRATIVE AREA Illinois  
POSTAL CODE 60439  
COUNTRY US  
E-MAIL ADDRESS [jkuiper@anl.gov](mailto:jkuiper@anl.gov)

## Resource Details

DATASET LANGUAGES \* English (UNITED STATES)  
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format  
STATUS completed  
SPATIAL REPRESENTATION TYPE \* vector  
\* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.0.12790  
CREDITS  
U.S. Census, American Community Survey, Argonne National Laboratory  
ARCGIS ITEM PROPERTIES  
\* NAME census\_block\_group\_acs\_2018\_5yr  
\* ACCESS PROTOCOL Local Area Network

## Extents

### EXTENT

#### DESCRIPTION

Data are from 2018 American Community Survey, 5-Year

#### GEOGRAPHIC EXTENT

##### BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching  
\* WEST LONGITUDE -179.231086  
\* EAST LONGITUDE 179.859681  
\* NORTH LATITUDE 71.439786  
\* SOUTH LATITUDE 17.831509  
\* EXTENT CONTAINS THE RESOURCE Yes

#### TEMPORAL EXTENT

DATE AND TIME 2018

#### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE -19951913.227814  
\* EAST LONGITUDE 20021888.103147  
\* SOUTH LATITUDE 2017836.357457  
\* NORTH LATITUDE 11554348.349859  
\* EXTENT CONTAINS THE RESOURCE Yes

## Resource Points of Contact

### POINT OF CONTACT

INDIVIDUAL'S NAME Jim Kuiper  
ORGANIZATION'S NAME Argonne National Laboratory  
CONTACT'S ROLE point of contact

### CONTACT INFORMATION

#### PHONE

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TYPE postal  
DELIVERY POINT 9700 S. Cass Avenue  
CITY Lemont  
ADMINISTRATIVE AREA Illinois  
POSTAL CODE 60439  
COUNTRY US  
E-MAIL ADDRESS [jkuiper@anl.gov](mailto:jkuiper@anl.gov)

## Resource Maintenance

### RESOURCE MAINTENANCE

UPDATE FREQUENCY not planned

## Spatial Reference

### ARCGIS COORDINATE SYSTEM

- \* TYPE Projected
- \* GEOGRAPHIC COORDINATE REFERENCE GCS\_WGS\_1984
- \* PROJECTION WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere
- \* COORDINATE REFERENCE DETAILS

#### PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102100  
X ORIGIN -22041257.77387803  
Y ORIGIN -30241100  
XY SCALE 144148035.89861274  
Z ORIGIN -100000  
Z SCALE 10000  
M ORIGIN -100000  
M SCALE 10000  
XY TOLERANCE 0.001  
Z TOLERANCE 0.001  
M TOLERANCE 0.001  
HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 3857

WELL-KNOWN TEXT PROJCS["WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere",GEOGCS  
["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID  
["WGS\_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT  
["Degree",0.0174532925199433]],PROJECTION["Mercator\_Auxiliary\_Sphere"],PARAMETER  
["False\_Easting",0.0],PARAMETER["False\_Northing",0.0],PARAMETER  
["Central\_Meridian",0.0],PARAMETER["Standard\_Parallel\_1",0.0],PARAMETER  
["Auxiliary\_Sphere\_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

### REFERENCE SYSTEM IDENTIFIER

- \* VALUE 3857
- \* CODESPACE EPSG
- \* VERSION 8.8(9.3.1.2)

## Spatial Data Properties

### VECTOR

- \* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

#### GEOMETRIC OBJECTS

FEATURE CLASS NAME census\_block\_group\_acs\_2018\_5yr  
\* OBJECT TYPE composite  
\* OBJECT COUNT 220333

### ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME census\_block\_group\_acs\_2018\_5yr  
\* FEATURE TYPE Simple  
\* GEOMETRY TYPE Polygon  
\* HAS TOPOLOGY FALSE

- \* FEATURE COUNT 220333
- \* SPATIAL INDEX TRUE
- \* LINEAR REFERENCING FALSE

## Distribution

### DISTRIBUTION FORMAT

- \* NAME File Geodatabase Feature Class

## Fields

### DETAILS FOR OBJECT census\_block\_group\_acs\_2018\_5yr

- \* TYPE Feature Class
- \* ROW COUNT 220333

#### FIELD OBJECTID

- \* ALIAS OBJECTID
- \* DATA TYPE OID
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Internal feature number.
- \* DESCRIPTION SOURCE  
Esri
- \* DESCRIPTION OF VALUES  
Sequential unique whole numbers that are automatically generated.

#### FIELD Shape

- \* ALIAS Shape
- \* DATA TYPE Geometry
- \* WIDTH 0
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Feature geometry.
- \* DESCRIPTION SOURCE  
Esri
- \* DESCRIPTION OF VALUES  
Coordinates defining the features.

#### FIELD STATEFP

- \* ALIAS STATEFP
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

#### FIELD COUNTYFP

- \* ALIAS COUNTYFP
- \* DATA TYPE String
- \* WIDTH 3
- \* PRECISION 0
- \* SCALE 0

#### FIELD TRACTCE

- \* ALIAS TRACTCE
- \* DATA TYPE String
- \* WIDTH 6
- \* PRECISION 0
- \* SCALE 0

FIELD BLKGRPCE

- \* ALIAS BLKGRPCE
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

FIELD GEOID

- \* ALIAS GEOID
- \* DATA TYPE String
- \* WIDTH 12
- \* PRECISION 0
- \* SCALE 0

FIELD NAMELSAD

- \* ALIAS NAMELSAD
- \* DATA TYPE String
- \* WIDTH 13
- \* PRECISION 0
- \* SCALE 0

FIELD MTFCC

- \* ALIAS MTFCC
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD FUNCSTAT

- ALIAS FUNCSTAT
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

FIELD ALAND

- \* ALIAS ALAND
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD AWATER

- \* ALIAS AWATER
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD INTPTLAT

- \* ALIAS INTPTLAT
- \* DATA TYPE String
- \* WIDTH 11
- \* PRECISION 0
- \* SCALE 0

FIELD INTPTLON

- \* ALIAS INTPTLON
- \* DATA TYPE String
- \* WIDTH 12
- \* PRECISION 0
- \* SCALE 0

FIELD GEOID\_Data

- \* ALIAS GEOID\_Data
- \* DATA TYPE String
- \* WIDTH 255
- \* PRECISION 0
- \* SCALE 0

FIELD B17021e1

- \* ALIAS Total individuals (last 12 mos)
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B17021e2

- \* ALIAS Low-income (last 12 mos)
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e1

- \* ALIAS Total individuals
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e2

- \* ALIAS Not Hispanic or Latino
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e3

- \* ALIAS White
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e4

- \* ALIAS Black or African American
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e5

- \* ALIAS American Indian and Alaskan Native
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e6

- \* ALIAS Asian
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e7

- \* ALIAS Native Hawaiian and Pacific Islander
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e8

- \* ALIAS Other race
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e9

- \* ALIAS Two or more races
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD TotalMinority

- \* ALIAS Total Minority
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD HispLat

- \* ALIAS Hispanic or Latino
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B17021e2Percent

- \* ALIAS Percent: Low-income (last 12 mos)
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B17021e2PercentVsStThresh

- \* ALIAS Low-income (last 12 mos) Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e2Percent

- \* ALIAS Percent: Not Hispanic or Latino
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e2PercentVsStThresh

- \* ALIAS Not hispanic or latino Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e3Percent

- \* ALIAS Percent: White
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e3PercentVsStThresh

- \* ALIAS White Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e4Percent

- \* ALIAS Percent: Black or African American
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e4PercentVsStThresh

- ALIAS Black or African American Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e5Percent

- \* ALIAS Percent: American Indian and Alaskan Native
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0



FIELD B03002e5PercentVsStThresh

- \* ALIAS American Indian and Alaskan Native Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e6Percent

- \* ALIAS Percent: Asian
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e6PercentVsStThresh

- \* ALIAS Asian Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e7Percent

- \* ALIAS Percent: Native Hawaiian and Pacific Islander
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e7PercentVsStThresh

- \* ALIAS Native Hawaiian and Pacific Islander Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e8Percent

- \* ALIAS Percent: Other race
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e8PercentVsStThresh

- \* ALIAS Other race Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e9Percent

- \* ALIAS Percent: Two or more races
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD B03002e9PercentVsStThresh

- \* ALIAS Two or more races Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD HispLatPercent

- \* ALIAS Percent: Hispanic or Latino
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD HispLatPercentVsStThresh

- \* ALIAS Hispanic or Latino Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD TotalMinorityPercent

- ALIAS Percent: Total Minority
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD TotalMinorityPercentVsStThresh

- \* ALIAS Total Minority Percent - StatePct+20%
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD WhichSingleRaceOverThreshold

- \* ALIAS Single Race Field Above Threshold
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD Shape\_Length

- \* ALIAS Shape\_Length
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Length of feature in internal units.
- \* DESCRIPTION SOURCE  
Esri
- \* DESCRIPTION OF VALUES  
Positive real numbers that are automatically generated.

#### FIELD Shape\_Area

- \* ALIAS Shape\_Area
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Area of feature in internal units squared.
- \* DESCRIPTION SOURCE  
Esri
- \* DESCRIPTION OF VALUES  
Positive real numbers that are automatically generated.

### Metadata Details

- \* METADATA LANGUAGE English (UNITED STATES)
- METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format
- SCOPE OF THE DATA DESCRIBED BY THE METADATA \* dataset
- SCOPE NAME \* dataset
- \* LAST UPDATE 2021-02-23
- ARCGIS METADATA PROPERTIES
  - METADATA FORMAT ArcGIS 1.0
  - METADATA STYLE FGDC CSDGM Metadata
  - STANDARD OR PROFILE USED TO EDIT METADATA FGDC
  - CREATED IN ARCGIS FOR THE ITEM 2021-02-22
  - LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-02-23
  - AUTOMATIC UPDATES
    - HAVE BEEN PERFORMED Yes
    - LAST UPDATE 2021-02-23

### Metadata Contacts

- METADATA CONTACT
  - INDIVIDUAL'S NAME Jim Kuiper
  - ORGANIZATION'S NAME Argonne National Laboratory
  - CONTACT'S ROLE point of contact
  - CONTACT INFORMATION
    - PHONE
      - VOICE 630-252-6206
    - ADDRESS
      - TYPE postal
      - DELIVERY POINT 9700 S. Cass Avenue
      - CITY Lemont
      - ADMINISTRATIVE AREA Illinois
      - POSTAL CODE 60439
      - COUNTRY US
      - E-MAIL ADDRESS [jkuiper@anl.gov](mailto:jkuiper@anl.gov)

### Metadata Maintenance

- MAINTENANCE
  - UPDATE FREQUENCY not planned