

# DGP - GetDemographicsByAddress - Recommended

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This is the basic operation for finding demographic information. Given a U.S. street address, the operation uses DOTS AddressValidation and DOTS GeoCoder US to identify the Census Bureau-assigned block identification number. The address range must exist in the Census Bureau's TIGER/Line database to find any block or neighborhood data. Otherwise ZIP level data will be returned.

## URL Endpoints

### XML:

<https://trial.serviceobjects.com/dgp/DemographicsPlus.asmx/GetDemographicsByAddress?Address=string&City=string&State=string&PostalCode=string&LicenseKey=string>

## GetDemographicsByAddress Inputs

Name	Type	Description
Address	String	Street address to lookup
City	String	City
State	String	State
PostalCode	String	5 digit ZIP code
LicenseKey	String	Your license key to use the service. Sign up for a free trial key at <a href="https://www.serviceobjects.com/products/demographics-more/demographics-data-plus">https://www.serviceobjects.com/products/demographics-more/demographics-data-plus</a> .

## GetDemographicsByAddress Outputs

Demographic results are separated into seven different categories. Every category, with the exception of UrbanClassification and CensusElements, will contain a resolution level code. This code describes how precise that group of information is. See the table below for an explanation of the codes.

ResolutionLevel	Meaning
B	Block
N	Neighborhood
T	Census tract
Z	Zip
C	City
U	County
S	State

#### *AgeDistributionElements*

- PercentUnder5
- Percent5To9
- Percent10To14
- Percent15To19
- Percent20To24
- Percent25To34
- Percent35To44
- Percent45To54
- Percent55To59
- Percent60To64
- Percent65To74
- Percent75To84
- Percent85AndOver
- Percent18AndOver
- Percent21AndOver
- Percent62AndOver
- Percent65AndOver
- MedianAge
- ResolutionLevel

#### *IncomeDistribution Elements*

- PercentUnder10000
- Percent10000To14999
- Percent15000To24999
- Percent25000To34999
- Percent35000To49999
- Percent50000To74999
- Percent75000To99999
- Percent100000To149999
- Percent150000To199999
- Percent200000OrMore
- MedianHouseholdIncome
- MedianHouseholdIncome2008
- ResolutionLevel

#### *RaceDistribution Elements*

- PercentWhite
- PercentBlack
- PercentAmericanIndian
- PercentAsian
- PercentPacificIslander
- PercentOtherRace
- PercentTwoOrMoreRaces
- ResolutionLevel

#### *EthnicDistribution Elements*

- PercentHispanicOrLatinoOfAnyRace
- PercentNotHispanicOrLatino
- ResolutionLevel

*UrbanClassification Elements*

- Code
- Description
- KilometersToUrbanCenter

*OtherInformation Elements*

- Population
- AreaInSquareKilometers
- PeoplePerSquareKilometer
- PercentFemale
- PercentMale
- ResolutionLevel

*CensusElements (from DOTS GeoCensus)*

- State
- City
- AreaPopulation2000
- AreaPopulationChange2005
- AreaPopulationChange2010
- CountyPopulation2000
- CountyPopulationChange2005
- CountyPopulationChange2010
- StatePopulation2000
- StatePopulationChange2005
- StatePopulationChange2010
- AreaAvgSatMath
- AreaAvgSatEnglish
- AreaAvgSatTotal
- CountyAvgSatMath
- CountyAvgSatEnglish
- CountyAvgSatTotal
- StateAvgSatMath
- StateAvgSatEnglish
- StateAvgSatTotal
- AreaGradDegree
- AreaBachDegree
- AreaAssocDegree
- AreaSomeCollege
- AreaHighSchoolGrad
- AreaBelowHighSchoolGrad
- CountyGradDegree
- CountyBachDegree
- CountyAssocDegree
- CountySomeCollege
- CountyHighSchoolGrad
- CountyBelowHighSchoolGrad
- StateGradDegree
- StateBachDegree
- StateAssocDegree
- StateSomeCollege
- StateHighSchoolGrad
- StateBelowHighSchoolGrad
- AreaPersonalCrimeRisk
- AreaPropertyCrimeRisk
- CountyPersonalCrimeRisk
- CountyPropertyCrimeRisk
- StatePersonalCrimeRisk
- StatePropertyCrimeRisk
- AreaUnemploymentRate
- AreaBlueCollar
- AreaWhiteCollar
- CountyUnemploymentRate

- CountyBlueCollar
- CountyWhiteCollar
- StateUnemploymentRate
- StateBlueCollar
- StateWhiteCollar
- AreaHouseholdIncome
- AreaHouseholdSpending
- CountyHouseholdIncome
- CountyHouseholdSpending
- StateHouseholdIncome
- StateHouseholdSpending
- AreaMedianAge
- AreaAvgHouseholdSize
- AreaHouseholdChildren
- CountyMedianAge
- CountyAvgHouseholdSize
- CountyHouseholdChildren
- StateMedianAge
- StateAvgHouseholdSize
- StateHouseholdChildren
- AreaTempJan
- AreaTempJuly
- AreaRainFall
- AreaSnowFall
- CountyTempJan
- CountyTempJuly
- CountyRainFall
- CountySnowFall
- StateTempJan
- StateTempJuly
- StateRainFall
- StateSnowFall

## References