



Web API: Get LMI by occupation

The 'Get LMI by Occupation' API enables developers to query and retrieve Labor Market Information (LMI) based on the given O*NET code. It provides a minimal set of occupation information including Average Pay, Career Outlook, and Typical Training.

About this data

This Web API provides a small piece of available Labor Market Information regarding wages and job outlook from the CareerOneStop Website. You can see this API used in the left column of the [Professional Association Finder](#). More extensive occupational data is available through two other Web API's, "Get Occupation Details" and "List Occupations by Keyword".

Resource URL

<https://api.careeronestop.org/v1/lmi/{userId}/{onetCode}/{location}>

Try this Web API

Example Code

C#

Java

```
using System;

using System.Net.Http;

using System.Net.Http.Headers;

using System.Threading.Tasks;

namespace CareerOneStopAPISample
{

    class Program
```

Request Parameters

Refer to the following table for a list of the required and optional request parameters. All parameter names and values are case sensitive. Important: You must provide all required parameters. Submitting an empty request does not return all possible results; an empty request returns an error.

Parameter Name	Value	Required?	Description
API Token	String	Required	This value is the unique API Token provided during the CareerOneStop Web API registration process.

Parameter Name	Value	Required?	Description
userId	String	Required	This value is the unique UserID provided during the CareerOneStop Web API registration process.
onetCode	String	Required	This value is the O*NET Code for search term.
location	String	Required	This value accepts a city, state (Chicago, IL) or state (IL) or ZIP code (61299). For national data, give the numeral 0, or "US".

Response Structure

JSON

XML

```
{
  "LMI": {
    "CareerOutLook": "Bright",
    "AveragePay_State": "94340",
    "AveragePay_Zip": "",
    "AveragePay_National": "98190",
    "TypicalTraining": "Master's degree"
  },
}
```

Response Parameters

Name	Description	Type	Parent
LMI	Labor Market Information	Object	
CareerOutLook	Career Outlook	String	LMI
AveragePayState	Average Pay by State	String	LMI
AveragePayZip	Average pay in the indicated metropolitan area; if location is outside a metro area, the data is for a "Balance of state" area.	String	LMI
AveragePayNational	Average National Pay	String	
TypicalTraining	Typical Training	String	LMI
Location	If "location" request parameter is a ZIP code, this string is the name of the corresponding MSA.	String	LMI
SocInfo	Corresponding SOC occupation	Object	LMI

Name	Description	Type	Parent
SocCode	SOC occupation code	String	SocInfo
SocDescription	SOC occupation description	String	SocInfo
SocTitle	SOC occupation title	String	SocInfo
SocWageInfo	If wages for the input occupation are provided at an OES-specific occupation (more broad than the corresponding SOC), then SocWageInfo identifies that corresponding OES occupation.	Object	LMI
SocCode	OES occupation code	String	SocWageInfo
SocDescription	Always empty	String	SocWageInfo
SocTitle	OES occupation title	String	SocWageInfo

Errors

Error/Status Code	Description
200	OK / Success. The request went through successfully and there is a response body.
400	Bad Request (Request was invalid or missing parameters)
401	Unauthorized. This error occurs specifically when authentication is required and has failed or has not yet been provided correctly. (ex: Invalid API Token)
404	This error will be shown in two scenarios 1) Not found - (An error occurred) and 2) Not found - (No data available)
500	Internal Server Error. This error will occur when there is something critically wrong in the API call.



For information about jobs, training, career resources, or unemployment benefits call:
1-877-US2-JOBS (1-877-872-5627) or TTY 1-877-889-5627

For help using the CareerOneStop website:
info@careeronestop.org

CareerOneStop is sponsored by the U.S. Department of Labor, Employment and Training Administration

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