

API enquiry for the Web table in C&SD website

The Census and Statistics Department (C&SD) website has been revamped to provide a better browsing experience and facilitate quicker access to statistics and information. New Application Programming Interface (API) function has been introduced to allow direct extraction of statistics using machines and facilitate the integration of statistics into users' own systems. Users can build their own Data Request by HTTP GET or HTTP POST link based on specific parameters and then obtain the Data Response (JSON). Alternatively, users can build their own table initially on C&SD website and then click the API button to obtain the corresponding Data Request link (GET).

In the following documentation, users can find the details of the Data Request parameters and examples of the Data Request and Data Response.

Data Request Format (GET)

<https://www.censtatd.gov.hk/api/get.php?parameters>

The Parameters for Data Request Format (GET) and the corresponding values are given in the table below.

Parameter	Description	Type	Values	Remark
Id	Table number	Mandatory (one only)	<i>Table id</i>	
lang	Language for the descriptions in the Data Response (JSON)	Mandatory (one only)	EN : English TC : Traditional Chinese SC : Simplified Chinese	Specify the language of textual description in the data response JSON.
param	String for GET method	Mandatory	Encrypted String	Auto-generated by system for specified selection.

Update date : 13 July 2021

Example of Data Request Format (GET) and Data Response

Table 1A : Population by Sex and Age Group

Home > Statistics > By Subject > Population and Households > Population Estimates > Table 1A : Population by Sex and Age Group

Table 1A : Population by Sex and Age Group

Click the API button to retrieve the API HTTP GET string.

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		Population											
		Number ('000)						% of total population					
Year		2018		2019		2020		2018		2019		2020	
Reference time-point		Mid-year	Year-end	Mid-year	Year-end	Mid-year	Year-end p	Mid-year	Year-end	Mid-year	Year-end	Mid-year	Year-end p
Sex	Age group												
Male	0 - 4	144.2	144.4	144.1	141.7	137.4	132.4	1.9	1.9	1.9	1.9	1.8	1.8
	5 - 9	159.4	156.2	158.7	157.2	154.6	152.9	2.1	2.1	2.1	2.1	2.1	2.0
	10 - 14	140.6	146.0	147.9	152.4	154.4	159.8	1.9	2.0	2.0	2.0	2.1	2.1
	15 - 19	155.0	148.9	146.4	145.6	140.1	135.7	2.1	2.0	1.9	1.9	1.9	1.8
	20 - 24	213.2	210.5	204.2	198.0	192.6	184.0	2.9	2.8	2.7	2.6	2.6	2.5

API ✕

API Example: HTTP GET ^

```
https://www.censtatd.gov.hk/api/get.php?id=1A&lang=en&param=N4lgxgbiBcoMJwJqJqAjDEAGHu+7QFt8TSsQAaEafQBdrNyrqAHB6EDAXyoAIVOmAMyUa9RqNbtBPEAGUApgA8BGDiObiOGZmwmyAggHMFqzNQuStg3dPJdZAZyiwaejgCZRABQDy3mABtEAAIAEMAd2oAaWo0ABM2FgUAJ2oAOx8UgHs2BLYAUgyQAF1ZABsYWhSAVwUuIA
```



API Example: HTTP POST ^

```
{  "cv": {    "Sex": [      "M"    ]  }
```

Data Response (JSON)



Status

Name	Code	Description	Message
Success	0	Query success	Null
Fail	1	Validation error	Error message

The data dictionary for Data Request Format (POST) of web table

User can click the API button above the table or access the URL

https://www.censtatd.gov.hk/en/web_table.html?api_popup=1&id=Table# to retrieve the API data dictionary.

Home > Statistics > By Subject > Population and Households > Population Estimates > Table 1A : Population by Sex and Age Group

Table 1A : Population by Sex and Age Group

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		Population											
		Number ('000)						% of total population					
Year		2018		2019		2020		2018		2019		2020	
Reference time-point		Mid-year	Year-end	Mid-year	Year-end	Mid-year	Year-end p	Mid-year	Year-end	Mid-year	Year-end	Mid-year	Year-end p
Sex	Age group												
Male	0 - 4	144.2	144.4	144.1	141.7	137.4	132.4	1.9	1.9	1.9	1.9	1.8	1.8
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Parameter	Description	Type	Values	Remark
id	Table number	mandatory (one only)	1A	
lang	Language for the descriptions in the Data Response (JSON)	mandatory (one only)	EN : English TC : Traditional Chinese SC : Simplified Chinese	Specify the language of textual description in the data response JSON
period	Period	mandatory (in range)	in range Year: YYYY,YYYY Quarter: YYYYXX,YYYYXX XX=03,06,09 or 12 Month: YYYYMM,YYYYMM MM=01 to 12	Examples Year: 2015,2017 refers to year 2015-2017 Quarter: 201706,201712 refers to Q2-Q4 2017 Month: 201703,201703 refers to Q1 2017 Month: 201701,201712 refers to Jan-Dec 2017
sv	Statistics Variable	mandatory (allow multiple)	POP : Population	Returned with the textual description in sv, while the value is given in figure
sp	Statistical Variable Presentation	mandatory (allow multiple)	Raw_K_1dp_per_n : POP - Number ('000) Prop_1dp_%_n : POP - % of total population	Returned with the textual description in svDsec, while the value is given in figure
Sex	Sex	optional (allow multiple)	M : Male F : Female	