

# AKN-1.0-Subnational2

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## Subnational2Code List and Search Web Service API

### API

This functionality is contained in the IS/DataDeliveryREST code base.

URL	description	status	notes
<a href="#">ws/ref/subnational2/list?countryCode=&lt;2-letter ISO country code&gt;</a>	Return list of "county" names found in the given country	deployed	
<a href="#">ws/ref/subnational2/find?match=&lt;string to match&gt;</a>	Return list of "county" names that match	deployed	Can wildcards be used in the match string? No wildcard yet implemented.
<a href="#">ws/ref/subnational2/list?subnational1Code=&lt;subnational1 code&gt;</a>	Return list of "county" names found in the given "state"	deployed	

parameter	required	default	value options	description	status
match	yes, for /find	n/a		String to match against "county" names. What kind of wildcards can be used?	deployed. No wildcard yet implemented.
locale	no	en_US	Java standard locale codes	locale in which to perform matching, and in which to provide names in response (when possible)	not coded
countryCode	one of countryCode and subnational1Code is required for /list	n/a		see <a href="#">CountryCode List and Search Web Service API</a>	deployed
subnational1Code	one of countryCode and subnational1Code is required for /list	n/a		see <a href="#">AKN-1.0-Subnational1</a>	deployed
format	no	csv	<ul style="list-style-type: none"><li>• csv</li><li>• xml</li></ul>	format to use for response	deployed

### Test URLs

Development URL	Deployed URL	Expected Response	Notes
<a href="#">http://localhost/ws/ref/subnational2</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2</a>	empty list in CSV format	Generates 404 error.
<a href="#">http://localhost/ws/ref/subnational2/list?countryCode=</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?countryCode=</a>	empty list in CSV format	
<a href="#">http://localhost/ws/ref/subnational2/list?countryCode=US</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?countryCode=US</a>	entire list in CSV format	Country code in uppercase is valid.
<a href="#">http://localhost/ws/ref/subnational2/list?countryCode=us</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?countryCode=us</a>	empty list in CSV format	Country code in lowercase is invalid.
<a href="#">http://localhost/ws/ref/subnational2/list?countryCode=US&amp;format=xml</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?countryCode=US&amp;format=xml</a>	entire list in XML format	
<a href="#">http://localhost/ws/ref/subnational2/list?countryCode=US&amp;format=csv</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?countryCode=US&amp;format=csv</a>	entire list in CSV format	
<a href="#">http://localhost/ws/ref/subnational2/list?countryCode=US&amp;format=XML</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?countryCode=US&amp;format=XML</a>	entire list in CSV format	"XML" is not a valid format option. Only "xml" and "csv" are valid options.
<a href="#">http://localhost/ws/ref/subnational2/list?countryCode=US&amp;format=</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?countryCode=US&amp;format=</a>	entire list in CSV format	Bad format value is ignored and defaulted to csv.
<a href="#">http://localhost/ws/ref/subnational2/list?countryCode=US&amp;format=QQQ</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?countryCode=US&amp;format=QQQ</a>	entire list in CSV format	Bad format value is ignored and defaulted to csv.
<a href="#">http://localhost/ws/ref/subnational2/list?subnational1Code=</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?subnational1Code=</a>	empty list in CSV format	
<a href="#">http://localhost/ws/ref/subnational2/list?subnational1Code=US-NY</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?subnational1Code=US-NY</a>	entire list in CSV format	Subnational1 code in uppercase is valid.
<a href="#">http://localhost/ws/ref/subnational2/list?subnational1Code=us-ny</a>	<a href="#">http://ebird.org/ws1.0/ref/subnational2/list?subnational1Code=us-ny</a>	empty list in CSV format	Subnational1 code in lowercase is invalid.

<a href="http://localhost/ws/ref/subnational2/list?subnational1Code=US-NY&amp;format=xml">http://localhost/ws/ref/subnational2/list?subnational1Code=US-NY&amp;format=xml</a>	<a href="http://ebird.org/ws1.0/ref/subnational2/list?subnational1Code=US-NY&amp;format=xml">http://ebird.org/ws1.0/ref/subnational2/list?subnational1Code=US-NY&amp;format=xml</a>	entire list in XML format	
<a href="http://localhost/ws/ref/subnational2/find?match=clay">http://localhost/ws/ref/subnational2/find?match=clay</a>	<a href="http://ebird.org/ws1.0/ref/subnational2/find?match=clay">http://ebird.org/ws1.0/ref/subnational2/find?match=clay</a>	entire list in CSV format	
<a href="http://localhost/ws/ref/subnational2/find?match=CLAY">http://localhost/ws/ref/subnational2/find?match=CLAY</a>	<a href="http://ebird.org/ws1.0/ref/subnational2/find?match=CLAY">http://ebird.org/ws1.0/ref/subnational2/find?match=CLAY</a>	entire list in CSV format	There should be no difference in response for upper /lower case search strings.
<a href="http://localhost/ws/ref/subnational2/find?match=clay&amp;format=xml">http://localhost/ws/ref/subnational2/find?match=clay&amp;format=xml</a>	<a href="http://ebird.org/ws1.0/ref/subnational2/find?match=clay&amp;format=xml">http://ebird.org/ws1.0/ref/subnational2/find?match=clay&amp;format=xml</a>	entire list in XML format	
<a href="http://localhost/ws/ref/subnational2/find?match=">http://localhost/ws/ref/subnational2/find?match=</a>	<a href="http://ebird.org/ws1.0/ref/subnational2/find?match=">http://ebird.org/ws1.0/ref/subnational2/find?match=</a>	empty list in CSV format	

## CSV Result Format

```
<country code>, <subnational1 code>, <subnational2 code>, <name associated with subnational2 code>
<country code>, <subnational1 code>, <subnational2 code>, <name associated with subnational2 code>
<country code>, <subnational1 code>, <subnational2 code>, <name associated with subnational2 code>
```

## XML Result Format

```
<response>
  <header>
    <locale country="US" language="en" />
    <timestamp>2008-02-21T12:37:32.546-05:00</timestamp>
    <criteria>
      <property name="match" value="seomthing" />
      <property name="subnational1Code" value="seomthing" />
      <property name="countryCode" value="seomthing" />
    </criteria>
    <comment>
    </comment>
  </header>
  <result>
    <location countryCode="" subnational1Code="" subnational2Code="">name of the subnational2 region </location>
    <location countryCode="" subnational1Code="" subnational2Code="">name of the subnational2 region </location>
    <location countryCode="" subnational1Code="" subnational2Code="">name of the subnational2 region </location>
    <location countryCode="" subnational1Code="" subnational2Code="">name of the subnational2 region </location>
  </result>
</response>
```