# Java Script Object Notation (JSON) Validator and Troubleshooting Refresher

## August 16, 2017



### Center for Consumer Information and Insurance Oversight (CCIIO)



## **Open Q&A Series for States**

- The monthly webinar series provide States with the opportunity to ask questions about the QHP Certification process, including QHP State review tools.
- The State webinar series will complement the Centers for Medicare & Medicaid Services' (CMS's) twice-weekly issuer QHP webinar series.
  - States are invited to attend and listen to issuer webinars.
- A listing of all State webinars can be found on the Registration for Technical Assistance Portal (REGTAP).
  - www.REGTAP.info
- States are encouraged to submit questions in advance of each webinar to <u>CMS\_FEPS@cms.hhs.gov</u>.





- JSON Validator and Troubleshooting Refresher
- Announcement
- Q&A







# JSON Validator and Troubleshooting Refresher



## Introduction

- Today CMS would like to do a quick refresher on some of the troubleshooting and validation tools available for Issuer use when examining JSON data.
- Tools and tips CMS will cover for each stage of creating, validating and reviewing data:
  - Before import and validation: Schema Validation
    Tool
  - After import and validation: Coverage Validation Tool
  - On-Website data checking: Tips for using Chrome 'Inspect'





# **Schema Validation**



## **Schema Validator**

- Schema validator still available at <u>http://coverage-validator-beta.herokuapp.com/</u>.
  - Upload entire files to check against schema OR
  - Copy-paste portions of files to check against schema
- Note:
  - After clicking 'validate', review may take a few minutes to display results, particularly at high traffic times.
  - When encountering warnings and errors, a "show more" option is available to display beyond the first few errors.
    - Warnings and errors being emailed daily have a limited text output per file validated, but more can be displayed here for selfservice review without having to wait to clear earlier errors.
    - \*Syntax errors cause validation to stop, and will not display any subsequent errors downstream in the file.



### QHP, provider, and formulary coverage JSON validator

### BETA

Click here for more information | Try an example

### Validate a file

### **JSON** schema

Plans

The schema of the JSON document to be validated.

### Schema year

2017

The schema year of the JSON document to be validated.

### Select file

Click 'validate' to review the selected file. Please note that validation may take several minutes.

### Validate



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### Validate JSON Copy/Paste

#### **JSON** schema

Plans

The schema of the JSON document to be validated.

#### Schema Year

2017

The schema Year of the JSON document to be validated.

#### **JSON**



Paste in your JSON here.

Validate



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# **Coverage Validator Tool**



## **Coverage Validator Tool Functions**

- Coverage validator at <u>https://cmsgov.github.io/coverage-inspector/index.html</u> allows self-service review of the following items:
  - Plan IDs per Health Insurance Oversight System (HIOS) ID
  - National Provider Identifier (NPI) lookup tool querying National Plan and Provider Enumeration System (NPPES)
  - RxNorm Concept Unique Identifier (RxCUI) lookup tool querying National Institutes of Health (NIH)/RxNav
  - Drug name (string) to show RxCUI and NIH's display Name
  - Provider name (string) with ZIP search to show NPI, and NPPES name, specialty, taxonomy
  - Drug coverage
  - Provider coverage



## **Coverage Validator: Plan IDs Per HIOS ID**

### Find plans for an issuer

Issuer ID	Select plan year	
49046	2017	4

### Find Plans

49046GA0420018,	49046GA0420022,	49046GA0420032,	49046GA0420037,	49046GA0420038,	49046GA0420040,	49046GA0420042,
49046GA0420044,	49046GA0420047,	49046GA0420048,	49046GA0420049,	49046GA0410014,	49046GA0410015,	49046GA0410017,
49046GA0410019,	49046GA0410020,	49046GA0410021,	49046GA0410022,	49046GA0410023,	49046GA0410024,	49046GA0410026,
49046GA0410027,	49046GA0410028,	49046GA0410029,	49046GA0410030,	49046GA0410031,	49046GA0410032,	49046GA0410033,
49046GA0410034,	49046GA0410035,	49046GA0410036,	49046GA0410037,	49046GA0410038,	49046GA0410039,	49046GA0410040,
49046GA0410041,	49046GA0410042,	49046GA0410043,	49046GA0410044,	49046GA0410045,	49046GA0410046,	49046GA0410047,
49046GA0410048,	49046GA0410049,	49046GA0410050,	49046GA0410051,	49046GA0410052,	49046GA0410053,	49046GA0410054,
49046GA0410055,	49046GA0410056,	49046GA0410057,	49046GA0410058,	49046GA0410059,	49046GA0410060,	49046GA0410061,
49046GA0410062,	49046GA0410063,	49046GA0410064,	49046GA0410065,	49046GA0410066,	49046GA0410067,	49046GA0410068,
49046GA0410069,	49046GA0410070,	49046GA0410071,	49046GA0410072,	49046GA0410073,	49046GA0410074,	49046GA0410075,
49046GA0410076,	49046GA0410077,	49046GA0410078,	49046GA0410079,	49046GA0410080,	49046GA0410081,	49046GA0410082,
49046GA0420004,	49046GA0420005,	49046GA0420006,	49046GA0420007,	49046GA0420008,	49046GA0420011,	49046GA0420012,
49046GA0420013,	49046GA0420014,	49046GA0420015,	49046GA0420016,	49046GA0420017,	49046GA0420019,	49046GA0420020,
49046GA0420021,	49046GA0420023,	49046GA0420024,	49046GA0420025,	49046GA0420026,	49046GA0420027,	49046GA0420028,
49046GA0420029,	49046GA0420030,	49046GA0420031,	49046GA0420033,	49046GA0420034,	49046GA0420035,	49046GA0420036,
49046GA0420039,	49046GA0420041,	49046GA0420043,	49046GA0420045,	49046GA0420046,	49046GA0420050,	49046GA0420051,
49046GA0610003,	49046GA0610004,	49046GA0420009,	49046GA0610005,	49046GA0610006,	49046GA0610007,	49046GA0610008,
49046GA0610009,	49046GA0610010,	49046GA0610011,	49046GA0610012,	49046GA0610013,	49046GA0610014,	49046GA0420010



## **Coverage Validator: NPI Lookup**

### **Provider Lookup**

#### NPI

1790913317

Lookup Provider

NPI

1790913317

Name

Dr. Sydnee S McElroy

Туре

Individual

Accepting

unknown

Taxonomy

207Q00000X

#### **Specialties**

**Family Practice** 



## **Coverage Validator: RxCUI Lookup**

### Drug Lookup

### **RxCUI**

209459

### Lookup Drug

RxCUI 209459 Name TYLENOL Strength

500 mg

Route

**Oral Pill** 

**Full Name** 

Acetaminophen 500 MG Oral Tablet [Tylenol]



## **Coverage Validator: Drug Name Lookup**

Drug S	Search
Drug Name	
Tylenol	
Search D	rugs
RXCUI	Full Name
1046779	Acetaminophen 325 MG / Phenylephrine Hydrochloride 5 MG Oral Tablet [Tylenol Sinus Congestion and Pain Daytime]
1052645	Acetaminophen 500 MG / Diphenhydramine Hydrochloride 12.5 MG Oral Tablet [Tylenol Severe Allergy]
1092378	Acetaminophen 500 MG / Diphenhydramine Hydrochloride 25 MG Oral Tablet [Tylenol PM]
1243440	8 HR Acetaminophen 650 MG Extended Release Oral Tablet [Tylenol]
1738139	Acetaminophen 325 MG Oral Capsule [Tylenol]
209387	Acetaminophen 325 MG Oral Tablet [Tylenol]
209459	Acetaminophen 500 MG Oral Tablet [Tylenol]
602621	Acetaminophen 325 MG / Guaifenesin 200 MG Oral Tablet [Tylenol Chest Congestion]
707327	Acetaminophen 33.3 MG/ML Oral Solution [Tylenol]
731370	Acetaminophen 80 MG Chewable Tablet [Tylenol]
828555	Acetaminophen 32 MG/ML Oral Suspension [Tylenol]
828557	Acetaminophen 160 MG Chewable Tablet [Tylenol]
993837	Acetaminophen 300 MG / Codeine Phosphate 30 MG Oral Tablet [Tylenol with Codeine]



## **Coverage Validator: Provider Name Lookup**

### **Provider Search**

## **Zipcode**25701

#### **Provider Type**

Individual Provider

Facility

#### Name

McElroy

### Search

NPI	Name	Specialties	Taxonomy
1790913317	Dr. Sydnee S McElroy	Family Practice	Family Medicine
1669480471	Patricia L McElroy	Speech Therapist	Speech-Language Pathologist
1235105545	John J McElroy	Orthopedic Surgery	Specialist
1013956861	JAMES A MCELROY	General Surgery	Surgery
1487621272	EDWIN A MCELROY JR	HEMATOLOGY/ONCOLOGY, INTERNAL MEDICINE	Internal Medicine · Hematology & Oncology
1043210537	LAURA A MCELROY	Nurse Practitioner	Nurse Practitioner
1578657797	Susan P McElroy Marcus MD	Internal Medicine Doctor, Primary Care Physician (PCP)	Internal Medicine



## **Coverage Validator: Drug Coverage Lookup**

### **Drug Coverage**

HIOS Plan IDs *		RxCUIs *		
33709PA0690001		197426		
	1		* for multiple val	ues, separate with a comma
				Check Coverage
HIOS Plan ID	Covered	Not Co	vered	
33709PA0690001	197426			



### **Coverage Validator: Provider Coverage Lookup**

### **Provider Coverage**

HIOS Plan IDs *	Prov	/ider NPIs *
31274WV0310001	17	90913317
		* for multiple values, separate with a comma
		Check Coverage
HIOS Plan ID	Covered	Not Covered
31274WV0310001		1790913317



# **On-Site Data Validation**



## Using Chrome's 'Inspect' Tool

- Within Window Shopping, when testing provider and drug coverage against submitted JSON files, it is important to check what RxCUI or NPI is displayed.
- The browser Chrome includes a free 'Inspect' tool that is useful to determine.



## Window Shopping with "Inspect"

• Start at <a href="https://www.healthcare.gov/see-plans/">https://www.healthcare.gov/see-plans/</a> and enter information for test scenario up to the Provider/Drug search page shown below:





 Right-click or secondary click to display the pop-up menu; select "Inspect".





- First: Within the "Inspect" pane, click "Network".
- Next: Enter the search string (provider or drug) and click Search.

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- First: On the process Name panel, find the search process and click it.
- Next: Expand the providers results next to it to see the NPI for each displayed search result.

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matrask						Vew: III		menne log 1	Disable ca	ache				
Results for MCELROY		Tour doctors, mee	tical tacilities do	Fitter	Fitter Beges Hide data URLa									
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- Tips for using the Inspect results:
  - Numbering starts at zero (0), not one (1), so when troubleshooting issuer must match each result to the NPI record that falls with it in order (see arrows showing providers matched to their NPI).
  - Taking a screenshot here to show NPI or RxCUI is helpful when comparing plan results' coverage of providers and drugs.
  - Prior to submitting a help ticket, issuers can utilize this method to ensure that the NPI or RxCUI that issuers are reporting issues with is truly the one (1) issuers are seeing as "Covered" or "Not Covered", "In Network" or "Out of Network".

McElroy SEARCH	50000 ms 100000 ms	150000 me 200000 me	250000 ms	300000 ms	350000 ms	400000 ms	450000 ms	500000 ms
Results for MCELROY				1914	*32*		×0	18 - E
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Family Medicine	ping?h=healthcal_pov&p=%	<pre>w {providers: [{,}, {,</pre>	-}, {,-}, {,-},	{}, {},	{,_}, {,_}, {,	-}, {,-}, {,-	<pre>}], drugs: []}</pre>	
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	Delignmente boare.gov&p=%	distance: 0						
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PATRICIA L MCELROY Speech Language Pathologist	ping?h=healthcare.gov&p= collect?v=1&_v=j56&a=15859	► address: {street distance: 41.64	1: "1015 Gakhur 67868829274	st Drive", st	reet2: **, cit	y: "Charlesto	n", state: "WV"	, zipcode: "25314
Speech Therapist	search?q=McEiroy&zipcode=	<pre>&gt; provider: {npi: &gt; 2: {,}</pre>	"1669488471", n	ame: "Patrici	a L McElroy",	provider_type	: "Individual",	addresses: null,
Charleston, WV 25314 (41.65 Miles Away)	ping?h=healthcare.gov&p=%	► address: {street distance: 75.14	1: "1600 Murdoc 87665852115	h Avenue", st	reet2: "Suite	100", city: "	Parkersburg", s	tate: "W",_}
RECEIPTION OF	ping?h+healthcare.gov&p=%	<pre>▶ provider: {npi: * 1: / 1</pre>	"1235185545", n	ame: "John J	McElroy", prov	ider_type: "I	ndividual", add	iresses: null, pla
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## Questions

Please help us provide an accurate response by identifying your State when asking a question.

To submit or withdraw questions by phone:

- To submit a question, dial 'star(\*) pound(#)' on your phone's keypad.
- To withdraw a question, dial 'star(\*) pound(#)' on your phone's keypad.

### To submit questions by webinar:

 Type your question in the text box under the 'Q&A' tab and click 'Send.'

If you are not able to ask your question during today's session, or if your question is best answered by subject matter experts (SMEs) outside Plan Management (PM), you may submit it via <u>CMS\_FEPS@cms.hhs.gov</u> with the subject line "State Question."



## State Regulators Webinar Session Survey

- CMS welcomes your feedback regarding this webinar series and values any suggestions that will allow us to enhance this experience for you.
- Shortly after this call, we will send a link to you for a convenient way to submit any ideas or suggestions you wish to provide that you believe would be valuable during these sessions.
- Please take time to complete the survey and provide CMS with any feedback.





# **Closing Remarks**

