



MedDRA API Webinar

11 and 12 February 2020

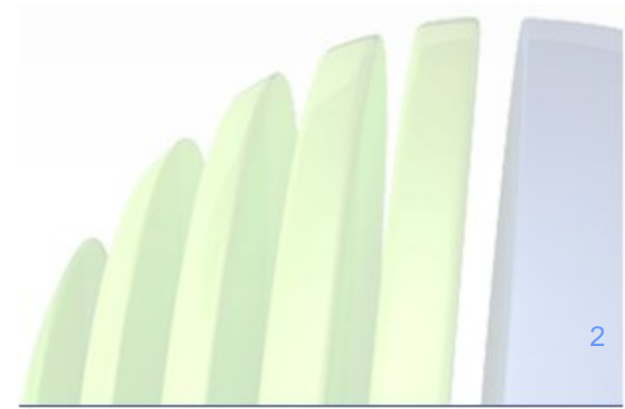




MedDRA

Agenda

- Why APIs?
- Assumptions for this webinar
- Scope of APIs
- Swagger
- API FAQ
- Q & A





Why develop MedDRA APIs?

- Responding to requests from users
- Open software model which allows for more flexibility
- Allows users to develop their own MedDRA tools
- Provides a proven tool that accurately depicts MedDRA



Why develop MedDRA APIs?

- Gap in current MSSO tool offering
- Provides useful MedDRA browsing and searching functions
- Delivers access to all MedDRA versions and MedDRA translations





Assumptions for this webinar

- Knowledge of MedDRA structure and term attributes
 - LLT currency, MedDRA codes, Multi-axiality
- IT / software development background
- High level explanation of APIs
 - Webinar intended to provide general information
 - More complex topics can be handled via the MSSO Help Desk or separate discussions



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Provided information

- Detailed API documentation
- Input examples
- List of FAQs
- Feedback worksheet
- If you did not receive, please send an email to: mssohelp@meddra.org

The collage includes the following elements:

- API Response Example:**

```
//Get SMQs
{
  "bview": "SMQ",
  "rsview": "Release",
  "code": 0,
  "pcode": 0,
  "type": "",
  "syncode": 0,
  "lltcode": 0,
  "ptcode": 0,
  "hltcode": 0,
}
```
- MedDRA API Programmers' User Guide Maintenance and Support Services Organization (MSSO)**
- MedDRA API FAQs**

The following are answers to anticipated frequently asked questions about the MedDRA Application Program Interface (APIs). This information will be adjusted over time based on user feedback and will eventually form the basis of a standard set of answers to frequently asked questions once the APIs are deployed.

1. What is the scope of the APIs?

The set of APIs include the current features and functions of the MedDRA Web-Based Browser and MedDRA Version Analysis tools. This includes searching for MedDRA terms and codes, hierarchy information, term history, SMQ information and functions such as the hierarchy analysis, SMQ analysis and MVAT version and data impact reports. Please see the API documentation for details.

2. What is the planned deployment timeline for the MedDRA APIs?

The MSSO expects to deploy the APIs in Q3 2020. The APIs will be available for testing and feedback begins in August 2020, the MSSO will be engaged in refining the APIs. Final refinement and deployment is planned for October 2020.

3. Are there planned future API functions?

The MSSO is currently working on a SNOMED interoperability between clinical records (CDR) data (coded in MedDRA). The MSSO will be exploring any future mappings with other terminologies.

January 2020
003400
- MedDRA API Feedback**

Below are questions the MSSO is seeking feedback for the API evaluation. Please provide as detailed information as possible. Feel free to add information beyond these specific questions.

Name:
Organization:
Email:

 1. Of the APIs provided, are there specific APIs you more interested in?
 2. Are there API functions you believe are missing?
 3. Are there APIs you had challenges with?
 4. Do you have challenges in authenticating to use the APIs?
 5. Is the documentation clear and understandable? Where is the documentation lacking?
 6. Is the speed and response time sufficient?
 7. Other feedback?



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Scope of APIs

- Search MedDRA terms
- Browse MedDRA and SMQ hierarchy
 - Parent and Children terms / SMQs
- Term detail information
 - Term name, code, primary / secondary SOC information
- SMQ detail information
 - PTs in an SMQ
 - Description, source, note, etc.
- Language and version information
- Validate subscription status of business partners



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Scope of APIs

- SMQ analysis function
 - Input list of terms
 - Output list of terms in SMQs
- Hierarchy analysis function
 - Input list of term
 - Output MedDRA hierarchy of terms
- MVAT Version Report
- MVAT Data impact report





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Swagger

- Swagger – open source software framework
- Assist developers to understand APIs without the need to code
 - Use with detailed documentation
 - Provided input examples
 - Swagger includes abbreviated explanations of API parameters

 swagger

<https://mapit.meddra.org/index.html>

MedDRA API ^{v1}

</swagger/v1/swagger.json>



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Swagger Demo



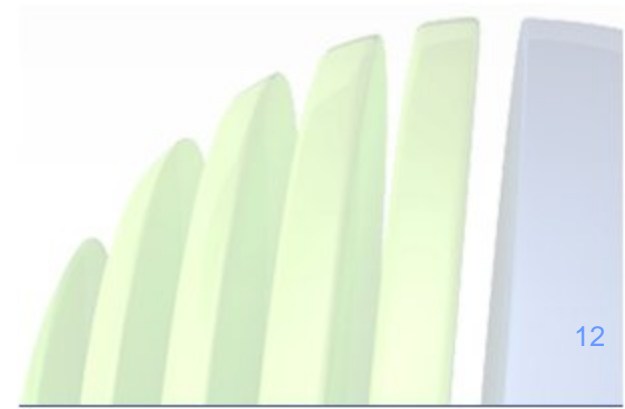


API evaluation schedule:

| Date | Description |
|--|--|
| 4 February 2020 – API documentation sent to webinar registrants | Detailed API documentation will be provided to users that registered for the February webinars or expressed an early interest. |
| February 11 and 12, 2020 - API webinars | The MSSO will hold two API webinars to accommodate difference time zones. The purpose of the webinars is to provide an overview of the APIs, and answer questions. The webinars will be recorded for future use. |
| ~April 1 2020 | The MSSO will ask users that participated in the webinars for feedback. |
| To be determined | Depending on the feedback and response, the MSSO will engage users during the evaluation period to assist with finalizing the APIs. The specific details of these engagements are to be determined. |
| October 2020 | API deployment |

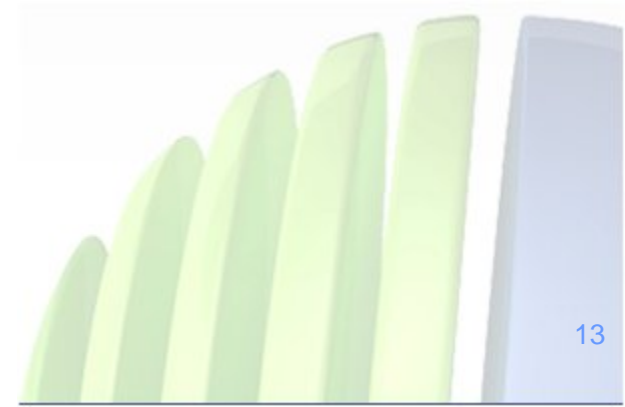


- Can users suggest additional API functions?
 - MSSO will consider new functions or modifications
 - Cannot guarantee adoption of proposed functions
 - Any agreed to changes may not be available in October 2020
- Are there any planned future API functions?
 - SNOMED-CT – MedDRA mapping
 - Future mappings



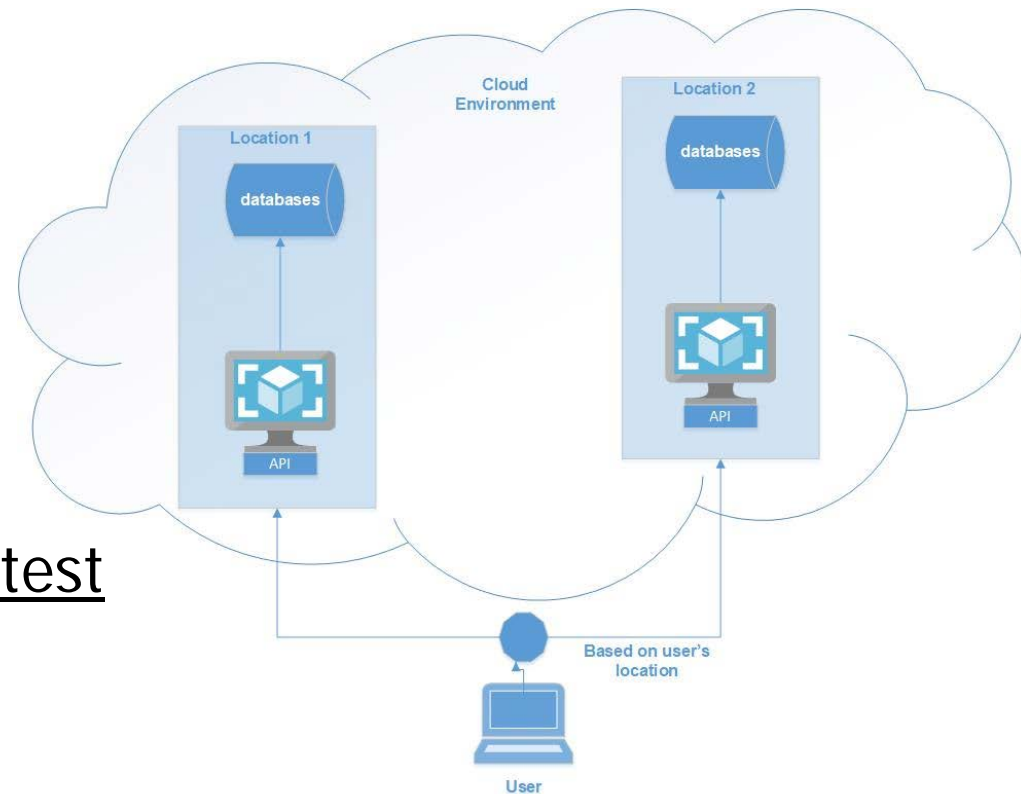


- What is the API versioning strategy?
 - Versioning will be included in the header of the API call
 - API version will change if input and outputs change
 - Additional information will be provided as soon as possible





- What is the API architecture?
 - Cloud based
 - Multiple locations
 - Availability
 - Fault tolerance
 - Extensibility
 - Presently APIs are in a test environment





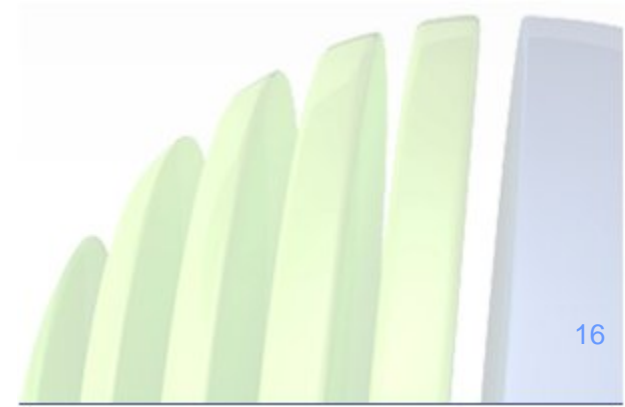
- What security controls will be in place?
 - Controls commensurate with type of information provided by APIs:
 - Vulnerability scanning
 - Software patching
 - Continuous monitoring / IDS
 - Log monitoring
 - Access control
 - Availability
 - API calls require encryption
 - Only users with valid subscriptions will have API access



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API FAQ

- What API logs will the MSSO capture?
 - Technical issues
 - Utilization
 - Performance
 - No user provided term input





- Throttling of APIs will be used
 - Ensures fair and even access
 - Specific configuration is to be determined
 - MSSO will adjust based on usage



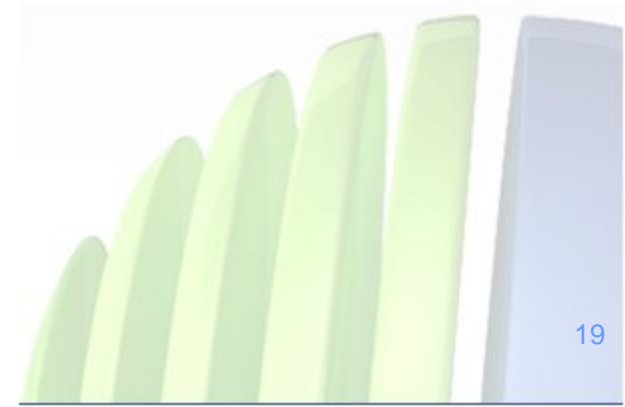


- Will the MSSO provide a service level agreement?
 - MSSO is developing an end user license agreement (EULA)
 - Provides availability goals for APIs
 - Goal is 99.9% availability*
 - Users will be required to accept the EULA before using production APIs
 - MSSO will not enter into formal service level agreements

*When in production



- Will the MSSO provide information on how APIs were tested?
 - A test document is under development
 - Tests include API inputs and outputs against existing MSSO tools (e.g., Web-Based Browser and MVAT).





- Who can users contact for further questions?
 - Send questions to: msohelp@meddra.org
 - Include subject of “API question”
 - Member of the MSSO’s IT team will respond as soon as possible.
 - MSSO will communicate any updates to API evaluators (e.g., attendees of this webinar)



MedDRA

Medical Dictionary
for Regulatory Activities

Thank You

Questions?

