

DAISEY API

Frequently Asked Questions - General

Question: In addition to human-readable error message, it would be very helpful if errors are associated with the field they pertain to (if they do). Could a key-value response with field name and errors for the field be used?

Answer: This is a great request and makes a lot of sense. We will use this input to help us recognize what will be helpful in the two way communication piece of the API.

Question: Is the API programmed in .NET?

Answer: The DAISEY API is a standards-based RESTful API that is not tied to any specific programming language. The code to consume the DAISEY API can be written in almost any language including .NET.

Question: Will the API receive and return JSON or other data formats?

Answer: We intend to use JSON to relay all request messages, including any errors involved.

Question: Is an API an automatic interface or are we talking about an export/import method or both?

Answer: The API is an automatic transfer of information from an external system into DAISEY. We are developing the API as 3rd option for getting data into DAISEY, in addition to current options of direct entry and import.

Question: What is the timeline for the API?

Answer: We want to take the time and work with our vendor partners to get it right. We are in the early stages of development and are looking to do some testing in the next couple of months. The goal is to be ready to provide technical specifications and open the API up to all vendors around April 2019. There are a number of factors that could impact this timeline. We will work to keep interested parties in the loop as the timeline crystalizes.

Question: Has my vendor been involved in conversations with KU/DAISEY about the API?

Answer: We work hard to ensure that local organizations are driving decisions about whether their vendors are investing time and resources in any work related to the DAISEY API. We communicate directly with local organizations and expect that they will communicate with their vendors as appropriate. We do our best not to have conversations with vendors that don't also include representation from the local organizations those vendors partner with. If you have questions about whether specific vendors have been involved, please email Randi Harms at randiharms@ku.edu.

Question: How can we ensure all mandatory information goes through the API?

Answer: Start with the KDHE Data Dictionary, available here:

<https://kdhe.daiseysolutions.org/articles/data-dictionary-kdhe/>

This document provides every field for every form KDHE grantees have access to in DAISEY, as well as additional information for each field including format and response options. Use this document to crosswalk with what is collected in your system. Your system must capture information for all fields in order for all fields to be populated via the API. If there are fields that KDHE requires in DAISEY that are not currently collected in your system, you can either work with your vendor to add fields, or you can plan to update individual client records in DAISEY, completing the missing data, after the partial records transfer through the API.

Question: Can users receive communication when the transfer of information was completed successfully?

Answer: This is a great request. We will incorporate this into the API.

Question: Will the DAISEY API allow us to pull individual records /out/ of DAISEY into our system? Or only push data in?

Answer: What we are developing at this point is an API to receive information into DAISEY. This does not involve DAISEY pushing records to other systems. You will be able to use a GET request to receive details about a particular form structure through the API. Your system will then be able to send data to DAISEY that is in accordance to the details of the form you pulled from the GET request.

Question: How will updated versions of the API documentation be made available?

Answer: In the future, versions of the API documentation will be located on the KDHE DAISEY Solutions site on the Find Answers page at <https://kdhe.daiseysolutions.org/find-answers>. We will indicate the last time the documentation was updated. Prior to the official launch of the API, we will send out updated versions of the documentation to the DAISEY API email list as well.

Question: Will the responses all be valid JSON?

Answer: The response body will be formatted as valid JSON. All examples in Supplement document have been updated.

Question: Is it possible for the errors field to be null rather than "None" if it doesn't contain errors?

Answer: Yes, we like that suggestion and have updated our documentation.

Question: Are status codes going to be returned in the JSON as well as the response code of the request?

Answer: No, we have removed the status code from the response body. The status code will only be in the response header.

Question: Is the external ID generated by our system or the DAISEY system?

Answer: The external ID comes from the source system sending the data. It is "external" to DAISEY. It is the source's unique identification number for a given record.

Question: Can the multiple form data responses be contained in a single array rather than multiple keys? So instead of "formData1", "formData2", could we have "formDatas": [...] which would be an array of form datas?

Answer: Yes, please refer to the update API Supplement for an example.

Question: It was mentioned that commas must be escaped in a request, can you provide an example of an escaped comma in a request?

Answer: We have incorporated the suggestion that multiple answers be separated by a pipe character. Commas no longer need to be escaped.

Question: Will there be a staging or testing API environment that we can submit requests to once this is built without affecting live data?

Answer: Yes, a non-production environment will be available to support integrated testing. Note that this environment is not HIPAA compliant. Please let us know if you need a HIPAA compliant test environment.

Question: Should the delete message body truly be curly brackets ({}), rather than square brackets ([])?

Answer: Yes, the Supplement document has been updated.

Question: There are several places in the Form Service responses where a list of questions will be returned. Can those be implemented as arrays?

Answer: Yes, the API Supplement has been updated.

Question: How will we (local organizations) be notified of success or failure, and if failure, what should we do?

Answer: Notifications will be different depending on whether the transfer was a success, a failure, or a partial success:

Success: This means that all records transferred completely (including all required data fields). Users will not receive notification from DAISEY of successful transfers. We don't want to overwhelm users with emails. We encourage local organization DAISEY users to check and verify their data within DAISEY and reports regularly.

Partial Success: This means that client records transferred but at least one did not contain all required data fields and needs to be updated either in the primary system (to be transferred with the next API push) or within DAISEY. API users will receive the results in real time showing the partial successes. Partial successes will be indicated in a new section of DAISEY titled 'API'. Local organization DAISEY users (not vendors) will have access to this page. This page will display information including the date of transfer and client details to understand who needs required data fields completed. Local organization DAISEY users should check this page regularly to see

client records that need additional data. We encourage API users to coordinate with local organization DAISEY users to determine how the required data fields will be completed.

Failure: This means the API transfer failed completely or an individual record did not meet the API requirements. API users associated to the organization will receive an email notification indicating a failure. Users will need to troubleshoot to determine what caused the failure, make appropriate modifications, then attempt the transfer again.

Question: Can you share your schedule? When will the API be ready for testing?

Answer: Here is our timeline:

Phase 1 – January 2019 to February 2019

- Introduced DAISEY API business case and high level technical plan
- Webinar on January 30, 2019 recording available at <http://daiseysolutions.org/?s=API&submit>

Phase 2 – March 2019

- Reviewed the DAISEY API Supplement and API Definition html
- Webinar on March 07, 2019 recording available at <http://daiseysolutions.org/?s=API&submit>

Phase 3 – Spring 2019 (starting in April)

- API development followed by testing, then launch.
 - Vendors: If you are interested in participating in the testing process, please let us know.

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Question: What is the process for updating the API when questions or response options are modified in DAISEY or when new forms are added?

Answer: When KDHE makes changes to questions or forms, which happens annually on July 1, the DAISEY API will be updated in real time when the questions/forms are updated in DAISEY, at no cost to local organizations. KDHE communicates upcoming form and question changes to grantees prior to when they take effect on July 1, so local organizations using the API should have time to work with their vendors on any changes that need to be made to data collection in the EHR or to the API transmission process.

Question: Who is responsible for costs associated with updating the API when questions, response options, and forms are modified?

Answer: When KDHE makes changes to questions or forms, which happens annually on July 1, the DAISEY API will be updated in real time when the questions/forms are updated in DAISEY, at no cost to local organizations. Any cost related to modifying how data is collected in your EHR or your vendor's development or modification of the API will be between your organization and your vendor. I strongly recommend having this conversation with your vendor before your organization commits to pursuing the development of the API- what are initial development costs and what are ongoing maintenance and modification costs? These conversations are critical to your organization making an informed decision about whether the API is the best data entry option for your organization.