

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Office of the National Coordinator for Health Information Technology

Announcement of Requirements and Registration for "CHPL Data Challenge"

Authority: 15 U.S.C. 3719

Subject of Challenge Competition:

Summary. The Office of the National Coordinator for Health Information Technology (ONC) Certified Health IT Product List (CHPL) Data Challenge is a call for developers, researchers, and innovators to develop a software application that makes use of the data in the CHPL application programming interfaces (API) or XML files in novel ways. The application should provide solutions to challenges for health care providers, health care consumers, and the health IT community.

Instructions for how to use the CHPL data APIs can be found here:

https://chpl.healthit.gov/#/resources/chpl_api.

Downloadable XML files and their documentation can be found here:

<https://chpl.healthit.gov/#/resources/download>.

Requirements:

In order for a participant's software application to be eligible for submission to win this Challenge, it must meet the following requirements:

- Demonstrate use of data in the CHPL APIs or XML files.
- Identify an issue or challenge in health care or health IT to resolve and demonstrate how the solution using data in CHPL APIs or XML files can help resolve it.
- Address at least one of the following audience categories:
 - Health Care Providers
 - Certified Health IT Developers
 - Health Care Consumers
 - Health IT Market Analysts
- Further refine and clearly identify the sub-set audience category for the software application. For example, if the end-users are health care providers, then it must be specific which type of providers (e.g. primary care, specialist, long-term care, behavioral health, etc.).
- Demonstrate creative user interfaces that optimize the user's understanding of the issue and ease-of-use of the software application.
- Demonstrate means by which services of the software application are enhanced by the integration of data in the CHPL APIs or XML files.
- Provide clear documentation describing:
 - How any analytics were conducted;
 - How the software application works and how to use it; and
 - How to interpret data/results.
- No HHS or ONC logo: the software application must not use HHS' or ONC's logos or official seals and must not claim endorsement.
- Functionality/Accuracy: A software application may be disqualified if it fails to function as expressed in the description provided by the Submitter, or if it provides inaccurate or incomplete information.
- Security: the software application must be free of malware. Submitter agrees that ONC may conduct testing on the software application to determine whether malware or other security threats may be present. ONC may disqualify the submission if, in ONC's judgment, it may damage government or others' equipment or operating environment.

Additional Considerations

Use of additional data platforms and sources beyond the CHPL, with emphasis on publicly available data, are encouraged, but not required.

The software application may be integrated into an existing web, mobile, voice, electronic health record, or other platform for supporting interactions of the content provided with other capabilities. Examples include query-based prompts that generate messages, visualization methods that graphically display messages, delivery of information with other platforms with calendar functions, and uses of gaming approaches aimed at enhancing consumer actions, among others.

CHPL Background. The ONC CHPL is the authoritative, comprehensive listing of all health IT products that have been tested and certified under the ONC Health IT Certification Program. Health IT products are listed on the CHPL after eligible components have been successfully tested by an ONC Authorized Testing Laboratory (ONC-ATL) and certified by an ONC Authorized Certification Body (ONC-ACB). The CHPL contains data on certified health IT that includes information on certification criteria to which the health IT has been certified, usability testing results, and surveillance activities, including any non-conformities their corrective action plans/resolution. In the past, much of the data on testing and certification was provided in unstructured documents making data analytics a more involved effort. In 2016 ONC changed the CHPL's design in order to allow users of the CHPL to have better access to the data in structured, discrete formats. All the data is viewable directly on the CHPL website. For users who want greater access to the data, the CHPL has APIs and downloadable XML files containing the complete data available. Please note that only the 2015 Edition certified health IT products would have complete discrete data available in these structured formats. Structured data for 2014 Edition is limited. Further details about the CHPL can be found in the CHPL User Guide here:

https://www.healthit.gov/sites/default/files/policy/chpl_public_user_guide.pdf.

Amount of the Prize:

- Total: \$40,000 in prizes
- First Place: \$20,000
- Two Runners Up: \$10,000 each
- Honorable Mentions (no cash prize)

Prizes will be paid by contractor.

While ONC would prefer to award all prizes, in the event that ONC is unable to select three winners, any remaining funds may be split among the selected winners or returned to ONC, at ONC's sole discretion.

Dates:

- Challenge launch: July 10, 2018
- Submission period ends: October 31, 2018
- Winners notified: November 26, 2018
- Winners announced: December 3, 2018

Basis upon Which Winner Will Be Selected:

Winners will be selected based on the following criteria:

- Software application's adherence to the requirements listed above
- Software application's use of data from the CHPL
- Software application's value in identifying and solving a problem in health care or health IT
- Creativity in problem solving of key health care or health IT issues
- Ease of use, user-friendliness, best practices

Eligible challenge submissions will be reviewed by a panel composed of federal employees and non-federal experts in compliance with the requirements of 15 U.S.C. 3719 and the Department of Health and Human Services judging guidelines: <http://www.hhs.gov/idealab/wp-content/uploads/2014/04/HHS-COMPETITION-JUDGING-GUIDELINES.pdf>. ONC will make final selections based upon the criteria outlined above.

How to Enter:

To enter this challenge, submitters can visit <http://www.challenge.gov> and search for “CHPL Data Challenge” or directly visit the challenge homepage at [url] and follow the instructions.

Submission must include:

- Slide deck of no more than seven slides that describes how the solution functions and addresses the application requirements.
- Video demo (five minute maximum) demonstrating use of the solution.
- Instructions document.
- Copy of the software application.

Note: ONC may request select submitters to perform a live webinar demo at ONC’s discretion.

Intellectual Property (IP) Rights:

Each entrant retains title and full ownership in and to their submission. Entrants expressly reserve all intellectual property rights not expressly granted under this notice. By participating in the challenge, each entrant hereby irrevocably grants to ONC a limited, non-exclusive, royalty-free, worldwide license and right to reproduce, publically perform, publically display, and use the submission, including the software application, to the extent necessary to administer the challenge, and to publically perform and publically display the submission, including, without limitation, for advertising and promotional purposes relating to the challenge.

Eligibility Rules for Participating in the Competition:

To be eligible to win a prize under this challenge, an individual or entity—

- (1) Shall have registered to participate in the competition under the rules promulgated by ONC;
- (2) Shall have complied with all the requirements under this notice;
- (3) In the case of a private entity, shall be incorporated in and maintain a primary place of business in the United States, and in the case of an individual, whether participating singly or in a group, shall be a citizen or permanent resident of the United States;
- (4) Shall not be an HHS employee;
- (5) May not be a Federal entity or Federal employee acting within the scope of their employment (all non-HHS federal employees must consult with their agency Ethics Official to determine whether the federal ethics rules will limit or prohibit the acceptance of a federally funded cash prize);
- (6) Federal grantees may not use Federal funds to develop submissions unless consistent with the purpose of their grant award; and
- (7) Federal contractors may not use Federal funds from a contract to develop prize competition applications or to fund efforts in support of a prize competition submission;

An individual or entity shall not be deemed ineligible because the individual or entity used Federal facilities or consulted with Federal employees during a competition if the facilities and employees are made available to all individuals and entities participating in the competition on an equitable basis.

By participating in this Challenge, Participants:

- (1) Agree to assume any and all risks and waive claims against the Federal Government and its related entities, except in the case of willful misconduct, for any injury, death, damage, or loss of property, revenue, or profits, whether direct, indirect, or consequential, arising from their participation in this prize contest, whether the injury, death, damage, or loss arises through negligence or otherwise;
- (2) Are financially responsible for claims by a third party;
- (3) Agree to indemnify the Federal Government against third party claims for damages arising from or related to Challenge activities.

Representation, Warranties and Indemnification:

By entering the Challenge, each Participant represents, warrants and covenants as follows:

- (1) Participant is the sole author, creator, and owner of the submission;
- (2) The submission is not the subject of any actual or threatened litigation or claim;
- (3) The submission does not and will not violate or infringe upon the intellectual property rights, privacy rights, publicity rights, or other legal rights of any third party; and
- (4) The submission, and Participants' use of the submission, does not and will not violate any applicable laws or regulations, including, without limitation, applicable export control laws and regulations of the U.S. and other jurisdictions.

If the submission includes any third party works (such as third party content), Participant must be able to provide, upon request, documentation of all appropriate licenses and releases for such third party works. If Participant cannot provide documentation of all required licenses and releases, ONC reserves the right, at its sole discretion, to disqualify the applicable submission. Participants must indemnify, defend, and hold harmless the Federal Government from and against all third party claims, actions, or proceedings of any kind and from any and all damages, liabilities, costs, and expenses relating to or arising from Participant's submission or any breach or alleged breach of any of the representations, warranties, and covenants of Participant hereunder. ONC reserves the right to disqualify any submission that, in their discretion, deems to violate these Official Rules, Terms & Conditions.

ONC reserves the right to cancel, suspend, and/or modify the Challenge, or any part of it, for any reason, at ONC's sole discretion.

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6 - 21 - 2018

Date



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