GDx App for VA Care Teams

User Manual

User Manual

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Overview

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The Genetic Diagnostic Testing (GDx) mobile application (app) for VA Care Teams provides access to Genetic Diagnostic (GDx) test results for interpretation in clinical settings. Data for the application comes directly from the laboratories performing the tests via Health Level Seven (HL7) messages that contain the results of the genomic lab tests. The historical genomic test data have also been loaded into the GDx App. These were received and stored in VA Informatics and Computing Infrastructure (VINCI) prior to the development of the HL7 message exchange.

The GDx App allows you to search for a patient and then view lab tests results that you have ordered for that patient.

The GDx App is a web-based app, accessible on a Government Furnished Equipment (GFE) device and supported by the following browsers:

- Internet Explorer 11 and higher
- Safari 7 and higher

This user manual provides an in-depth, step-by-step guide for using the GDx App.

The Basics

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Prerequisites

To use the GDx App, you must be a VA health care professional with credentials for the Veterans Health Information Systems and Technology Architecture (VistA).

Logging in

Enter your VistA Username > Enter your VistA Password > Begin typing in a VA Hospital Location > A list of matching facilities will appear in a drop-down menu > Tap your VA facility > Tap **Sign In**.

Getting to know the screen

When you log into the GDx App, you will see your name (last name, first name) in the upper right corner of the Home screen. There is an app menu just below your name, which displays up to four tabs: Home, Features (if a patient is already selected), About and Help. In the middle of the screen, you can easily search for one of your patients to find their genetic and genomic test results.

Device and window size

Depending on the device and size of the screen you are viewing the app on, you will see one of two layouts for accessing additional functionality:

1. If you are viewing the GDx App on a wider screen, such as on a computer or in the landscape orientation of a tablet, the navigation options of Home, About and Help will always be visible in the upper-right corner. You will be able to directly tap **Home**, **About** and **Help** from anywhere in the app.

2. If you are viewing the GDx App on a smaller screen, such as on a phone or in portrait orientation of a tablet, the navigation options (Home, About and Help) will be accessible by tapping **Menu** (three-line icon in upper right corner) and choosing the option from the drop-down menu that appears.
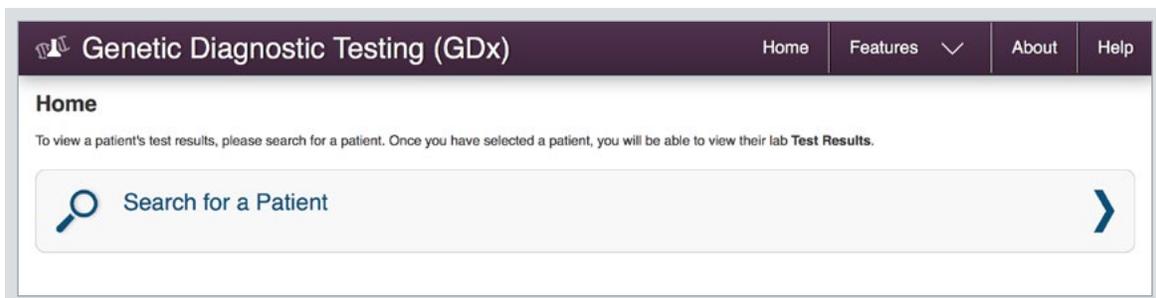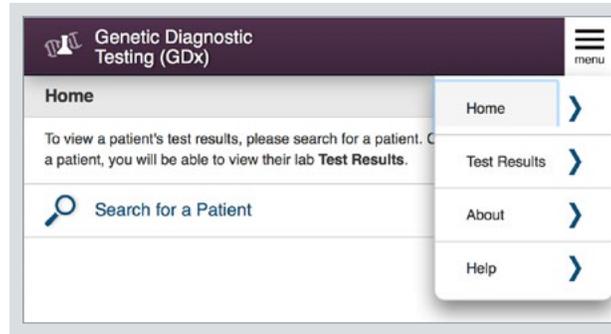
Learning about the app

Tap **About** > A pop-up About box will appear, which provides the app's name, version number, name of the developer, national release date and a brief overview of the app > Tap **Close** to close the pop-up About box. Additionally, for information on some parts of the app, tap the **i** icon, and a pop-up with limited information about that functionality will appear.

Accessing help for the app

Tap **Help** > A pop-up Help box will appear, which provides the app's supported browsers, information about the Help Desk, what do to in an emergency and how to provide feedback about the app > Tap **Close** to close the pop-up Help box.

Accessing the VA Launchpad

In the upper right corner of the screen, you will see your name > Tap your name , and a drop-down menu will appear > Tap **Return to Launchpad** > You will return to the VA Launchpad.

Logging out

You will be automatically logged out after 15 minutes of inactivity. A Session Timeout warning is shown when you have two minutes remaining. To continue working, tap **Continue** or to log out, tap **Logout**. To log out manually, tap your name in the upper right corner of the Home screen > A drop-down menu will appear > Tap **Log Out**, and you will be logged out of the app.

Viewing Test Results

With the GDx App you can view the genetic and genomic test results for your Veteran patients.

Viewing patient test results

To see a patient's test results, tap **Search for a patient** > A pop-up Patient Search box will appear > Tap the blank Search Patient bar and search by:

- Full Social Security Number (SSN)
- Last name
- First and last names (middle initial optional)
- First initial of last name and last four digits of SSN

Tap **Enter** to see a list of results matching your search, or tap **Close** to close the pop-up Patient Search box.

Tap the name of the patient from the list > A pop-up Patient Search Details box will appear showing the patient's name, date of birth (DOB), age, social security number (SSN) and sex > Tap **Select Patient**, or tap **Close** to close the pop-up and select a different patient > You will go to the patient's Test Results screen, where you will see a list of your patient's genetic diagnostic tests.

If you are viewing on a mobile device, you can sort the genetic diagnostic tests by the test name, date reported, test results, reference range, Logical Observation Identifiers Names and Codes(LOINC) and LOINC Description > Tap **View Details** > You will go to the Test Result Details screen > On the Test Results Details screen you will see:

- Veteran's name, SSN, DOB and sex
- Test name, date reported, test status, test results, reference range and the number of abnormal flags on the test results
- Performing Lab
- Principle Result Interpreter
- Assistant Result Interpreter
- Ordering Facility
- Accession / Specimen Number

- Accession Date
- CPT Code
- LONIC Code
- Observation Method
- Equipment Instant Identifier
- Test Result Details
- Specimen / Site
- Specimen Comments
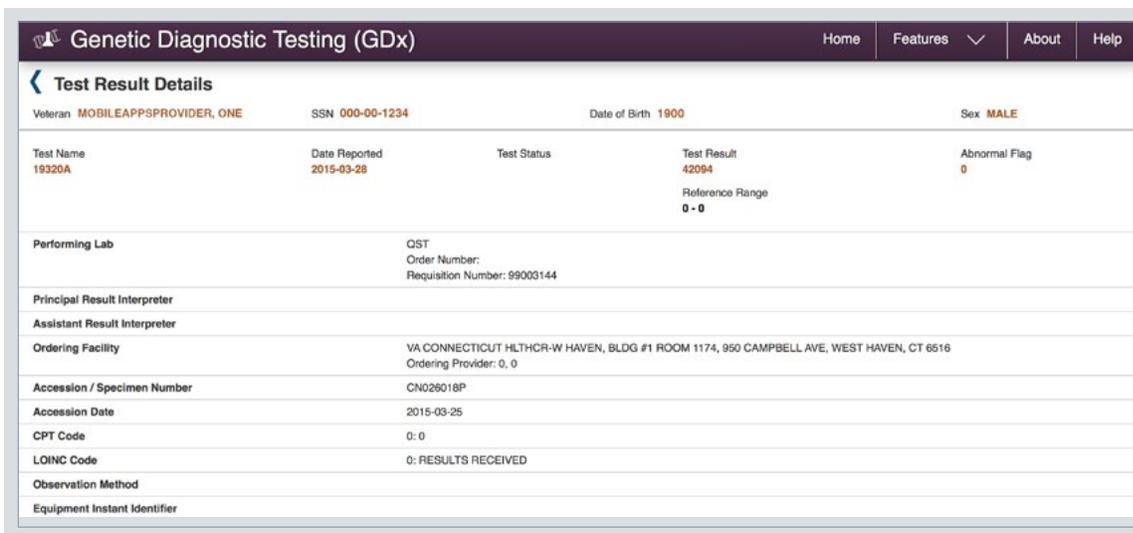
Additionally, the Test Result Detail screen may include a detailed lab report, which means an attachment was included with the result. To access the detailed lab report, tap **Detailed Lab Report** > If the attachment is a PDF, the document will automatically be launched in the viewer. If the attachment is not a PDF, you will be prompted to download the file before viewing.

NOTE: Some attachments may represent raw test data and may require specialized programs and expertise to interpret. These have been provided to aid providers who may need to examine or reanalyze the underlying test data to make treatment decisions.
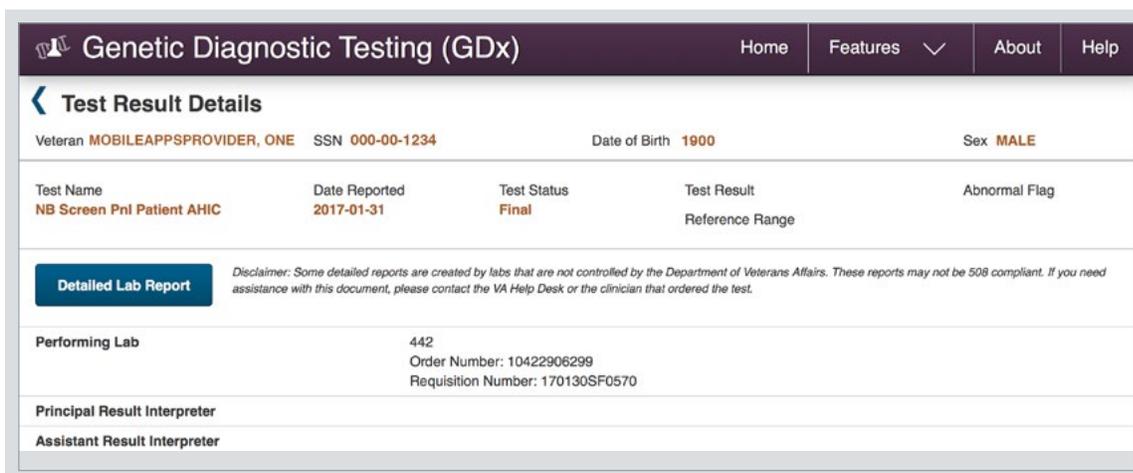
To return to the Test Results screen for that patient and view the details of a different test, do one of the following:

- Tap **Back** at the bottom of the Test Results Details screen.
- Tap the **<** to the left of Test Results.
- Tap **Features** > A Drop-down menu will appear > Tap **Test Results**.

Returning to the Home screen

To return to the Home screen and search for another patient, tap **Home** from anywhere in the app > You will return to the Home screen.

Help and Additional Information

Additional training materials for the GDx App

More resources, such as a Quick Start Guide, Slideshow and FAQs, can be found on ***mobile.va.gov/appstore***, and search for the app to access the resources.

Help Desk Information

If you need assistance with the GDx App, dial **1-844-482-6624** to speak with a VA representative. The Help Desk is open weekdays from 7 a.m. to 7 p.m. CT. For TTY assistance, dial 711.

Emergencies

If you feel that your information may have been compromised, contact your local VA facility to obtain the contact information for your Privacy Officer. To locate your local VA facility, visit VA's Facility Locator: ***http://www.va.gov/directory/guide/home.asp?isflash=1***. Note that you should never use this app in an emergency situation. If you encounter an emergency, call your local medical center or dial 911.

Appendices

Appendix #1: Project References

This app was developed according to an approved concept paper. It was tested in a demo environment to ensure optimal functionality. Subject Matter Experts include Dr. Michael Icardi, National Director of Pathology & Laboratory Medicine, Dr. Julie Lynch, Nurse Research Scientist, VA Informatics and Computing Infrastructure, Dr. Laurence Meyer, Chief Officer, Specialty Care and Dr. Michael Kelley, National Director of Oncology.

Appendix #2: Glossary

App – An application, or software program, that can be accessed through a website or mobile device and is designed to fulfill a particular purpose.

GDx – Genetic Diagnostic Testing

HL7 – Health Level Seven

LONIC – Logical Observation Identifiers Names and Codes(LOINC)

VA – Department of Veterans Affairs

VA Mobile Health – an initiative that aims to improve the health of Veterans by providing technologies that will expand care beyond the traditional office visit and includes the creation of secure mobile apps that will leverage the popularity of wireless technologies to support Veterans, Caregivers and VA clinical teams. [More at: mobile.va.gov]

VistA (Veterans Health Information Systems and Technology Architecture) - VA's computerized patient record system.