



In association with
Mayo Clinic

King-Devick in association with Mayo Clinic Sideline Concussion Screening Android App

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Your satisfaction is important to us. We're happy to assist you over the phone or via email. Please contact us directly at: **+1-630-501-0281** or email us at support@kingdevicktest.com.

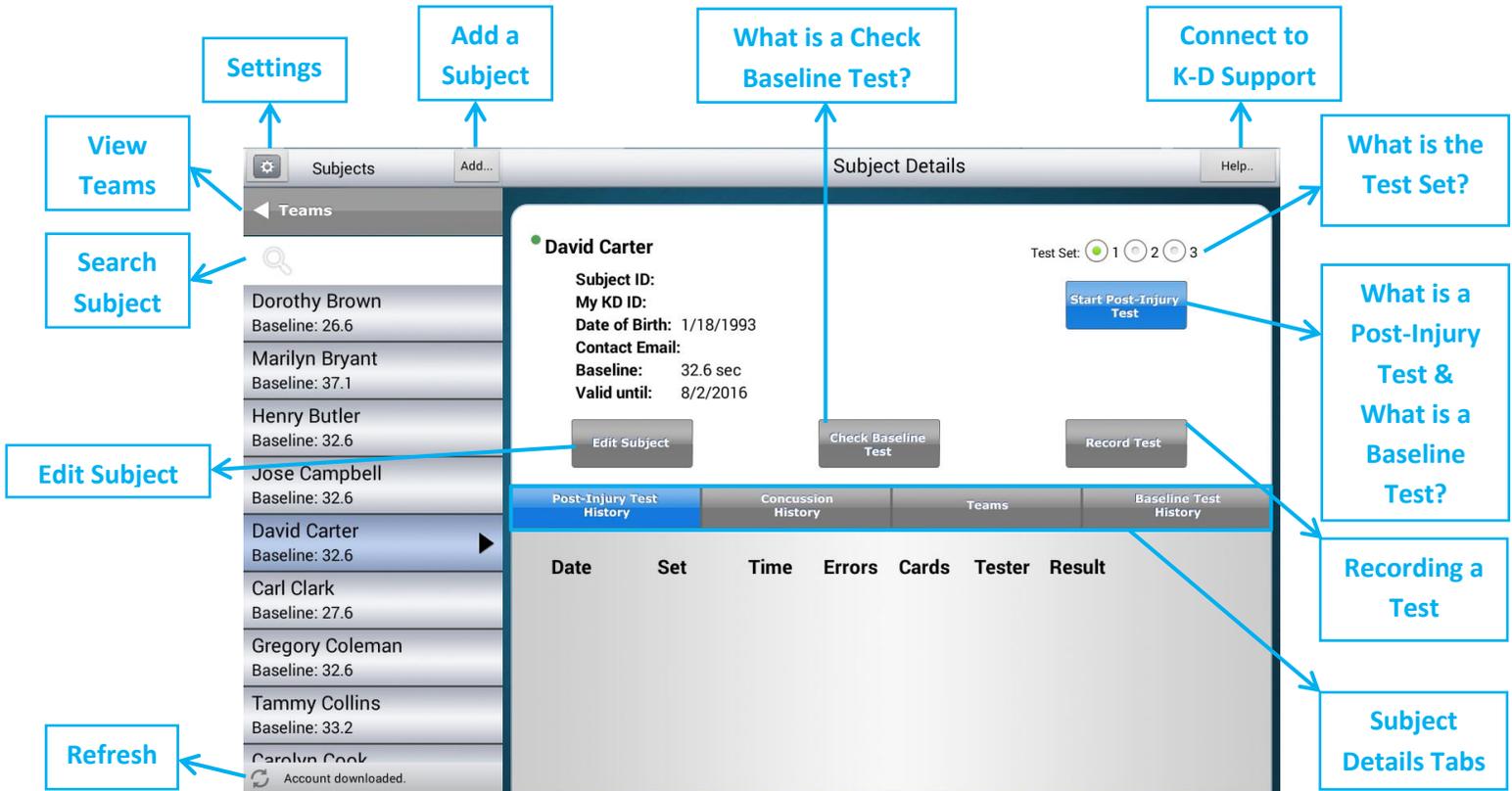
King-Devick Android Tablet : Quick Start & Tips

- ✓ The King-Devick Android Tablet is a companion to the King-Devick Test Online System (KDTOS).
- ✓ Before the first use of the tablet, please fully charge the battery. Connect to the power adapter to charge the battery. For optimum battery performance, please charge the tablet for 10 hours for the first two charges.
- ✓ Connecting to Wi-Fi: See [Connecting to Wi-Fi](#).
- ✓ Set the Date, Time and Time zone:
Tap the Settings app. Scroll down to "Date & time". Check "Automatic date & time. Use network-provided time." Select the time zone to the correct and current time zone.
- ✓ Regularly connect your tablet to Wi-Fi to sync any off line data to your KDTOS account.
- ✓ Do NOT press the home button or exit out of the app while the app is attempting to sync data. This will lead to an incomplete synchronization.

K-D Test App Features

Subject Details Page

The Subject Details Page displays the subject details of the selected subject from the left pane subject list.



Edit Subject

Edit a subject's details such as Name, Subject ID, Date of Birth and Teams.

Search Subject

Search for a subject by name by simply typing a subject's first or last name in the search subject field.

View Teams

Tap "Teams" to view Teams that have been created in your KDTOS account. See [Adding a Team](#).

Settings

Tap the Settings icon to access the Settings Page. Here you can Edit Details to change your account login password, change Privacy Options, Log Out, and [Run Diagnostics](#).

Privacy Options

Privacy Options allow you to enable a Privacy Mask across the Subject Details section of the display and choose what details to display on the left pane subject list.

Add Subject

The K-D Test App allows you to add subjects. This function is available to KDTOS account Administrators and Users with access to teams and/or all subjects. See [Add Subject Instructions](#).

Check Baseline Test

Check Baseline Test if it has been a year and you need to renew a subject's baseline test. Check Baseline Test is available for any subjects who have previously established a Baseline. See [Administering a Baseline Test](#).

Connect to K-D Support

Launch the King-Devick Support website to check Wi-Fi connectivity and connect with us. Your satisfaction is important to us. We're happy to assist you over the phone or via email.

Please contact us directly at: **+1-630-501-0281** or email us at support@kingdevicktest.com.

What is the Test Set?

There are 3 test sets available through KDTOS. Test sets are the same King-Devick task with different number sets to minimize memorization. As the test administrator be sure to have the corresponding Test Set Score Sheet to follow along for errors.

What is a Post-Injury Test & What is a Baseline Test?

A **Post-Injury Test** is any test administration following suspected head trauma. See [Administering a Post-Injury Test](#).

A **Baseline Test** is a pre-injury baseline test score determined by following the Baseline Testing protocol which establishes a baseline test score as the faster of two error free trials. See [Administering a Baseline Test](#).

Recording a Test

The K-D Test App allows you to add prior test results into your KDTOS.

See [Recording a Test Result](#).

Subject Details Tabs

The Subject Details Tabs allow you to toggle between displays of the selected Subject's details.

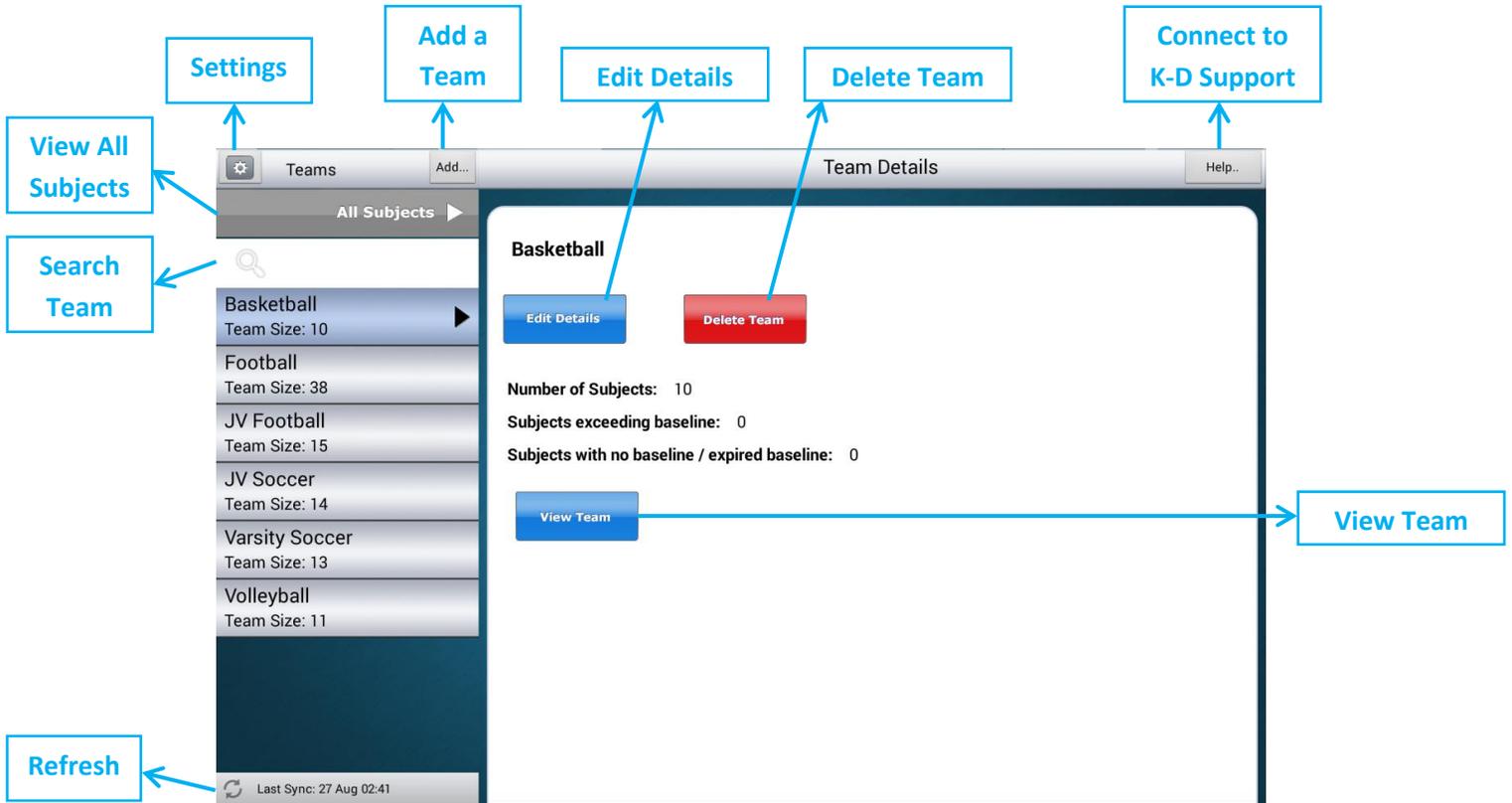
- ✓ **Post-Injury Test History** displays details of all Post-Injury Tests completed.
- ✓ **Concussion History** displays the subject's Concussion History. Add Concussion History by tapping on this tab, and then tap "Add..." You may include the date of any previous concussive injuries and comments. Tap "Continue" to save the result.
- ✓ **Teams** tab displays all the teams that the subject has been added to. See [Assigning a Subject to a Team](#).
- ✓ **Baseline Test History** displays details of all Baseline Test trials completed.

Refresh

The Refresh button syncs the tablet by manually pushing all the local data on your tablet to your KDTOS. The adjacent date/timestamp displays when the last sync to your KDTOS account was completed. See [Syncing the Tablet](#).

Team Details Page

The Team Details Page displays the team details of the selected Team from the left pane Teams list.



Search Team

Search for a Team by name by simply typing a Team Name in the search team field.

View All Subjects

Tap "All Subjects" to view All Subjects in your KDTOS account.

Settings

Tap the Settings icon to access the Settings Page. Here you can Edit Details to change your account log in password, change Privacy Options, Log Out, Force Refresh and Take a Snapshot.

Privacy Options

Privacy Options allow you to enable a Privacy Mask across the Subject Details section of the display and choose what details to display on the left pane subject list.

Add a Team

The K-D Test App allows you to add teams to help organize subjects. This function is available to KDTOS account Administrators and Users with access to teams and/or all subjects. See [Adding a Team](#).

Edit Details

Edit a Team's details such as Team Name and subjects on the team. See [Assigning a Subject to a Team](#).

Delete Team

Deleting a team will remove that team designation on all subjects originally assigned to that team. All subjects will remain in the "All Subjects" view if you are a KDTOS Administrator or User with access to all subjects. On your KDTOS account via www.kingdevicktestapp.com, subjects that are not assigned to a team will be visible under "All Unassigned".

Connect to K-D Support

Launch the King-Devick Support website to check Wi-Fi connectivity and connect with us. Your satisfaction is important to us. We're happy to assist you over the phone or via email.

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View Team

Tap "View Team" to view all the subjects in the selected Team.

Refresh

The Refresh button syncs the tablet by manually pushing all the local data on your tablet to your KDTOS. The adjacent date/timestamp displays when the last sync to your KDTOS account was completed. See [Syncing the Tablet](#).

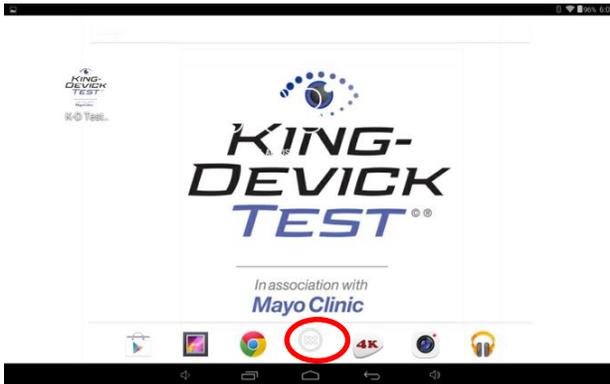
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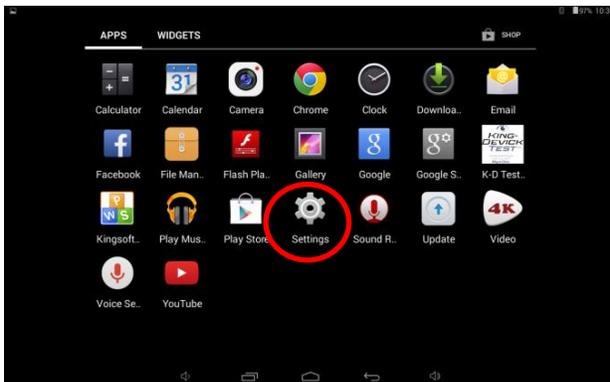
Connecting to Wi-Fi

Connect to Wi-Fi to sync your KDTOS account and update the K-D Test app.

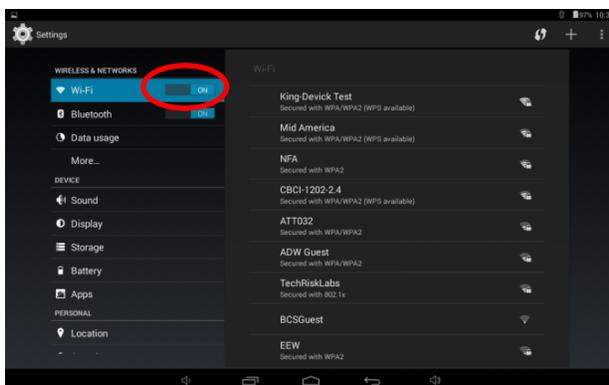
1. Select the Menu button from the home page.



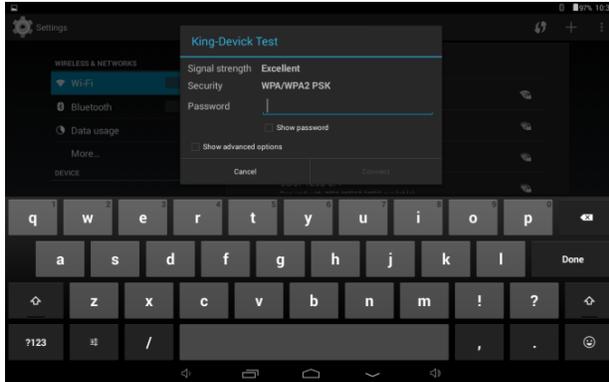
2. Tap on the "Settings" application.



3. Turn the Wi-Fi ON.



4. Select the appropriate Wi-Fi to connect to and enter the network password. If you're unsure please contact your network administrator.



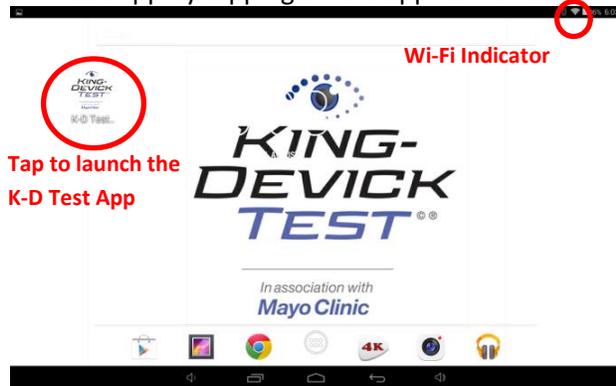
5. Once connected to Wi-Fi. The Wi-Fi indicator will appear in the top toolbar. Some networks will also require a separate browser based login. Launch Chrome by tapping on the Chrome icon then log in or register your device to gain internet access.



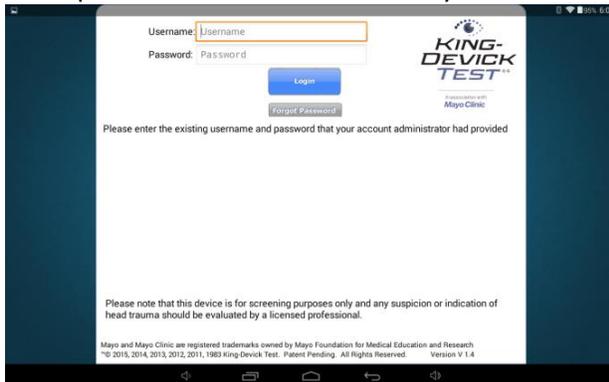
Installing a K-D Test Update

Regular updates to the K-D Test App will occur to help optimize the app functionality. When an updated version of the app is available, you will automatically be prompted to update when you launch the K-D Test App while connected to Wi-Fi.

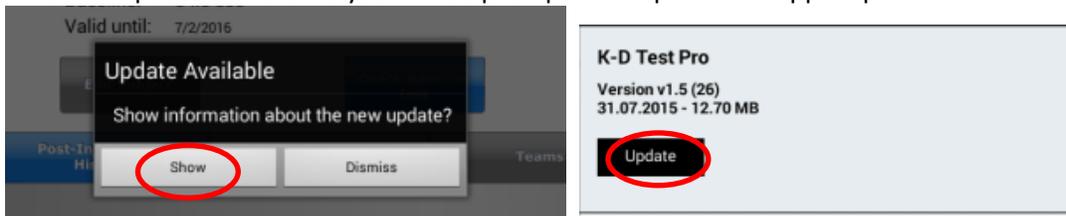
1. Be sure your tablet is connected to Wi-Fi. The Wi-Fi icon appears in the toolbar in the top right. Then launch the K-D Test App by tapping on the app icon on the home page.



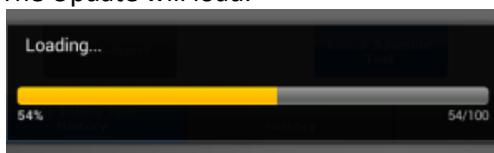
2. If necessary, log in with your KDTOS account username and password. Tap "Forgot Password" to receive an email password reminder or contact your KDTOS account administrator.



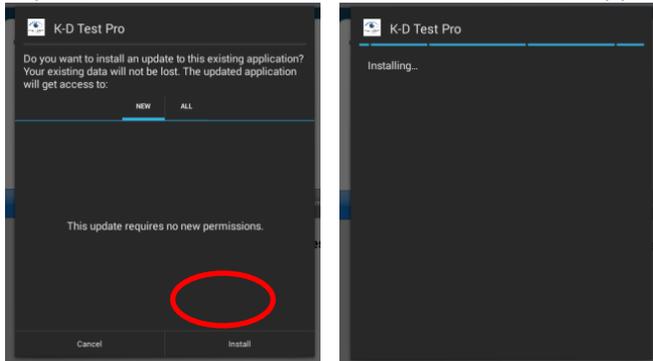
3. When an update is available you will be prompted to update the app. Tap "Show" then "Update".



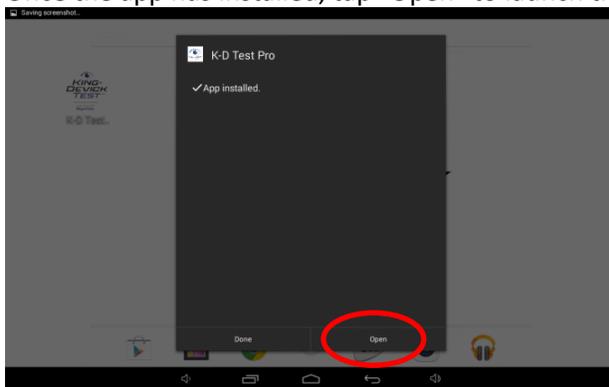
4. The Update will load.



5. Tap "Install" and the new version of the K-D Test App will begin installing.

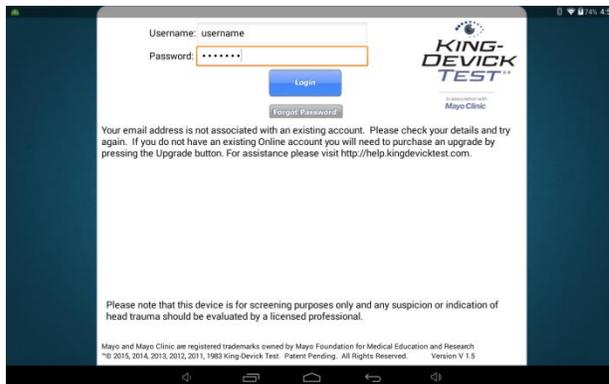


6. Once the app has installed, tap "Open" to launch the newly updated version of the K-D Test App.



TROUBLESHOOTING:

*If you receive this error message during the KDTOS log in:



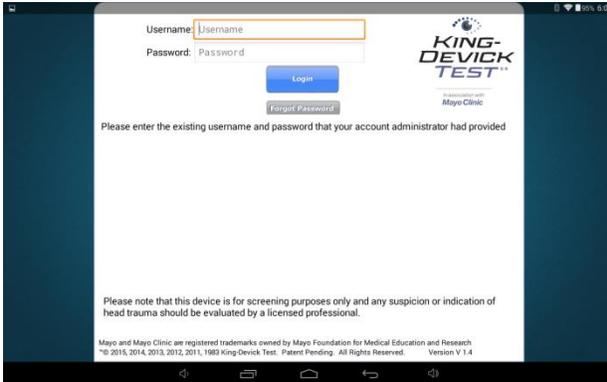
1. Please check your username and password. The entry is case sensitive.
2. Please check your internet connection.

Adding a Subject

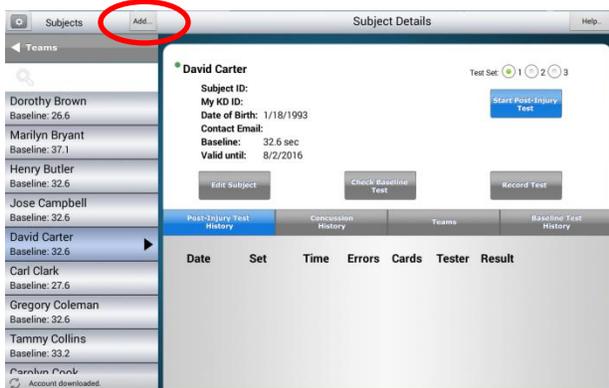
As an Administrator Account

The K-D Test App allows you to add subjects. This function is available to KDTOS account Administrators and Users with access to teams and/or all subjects.

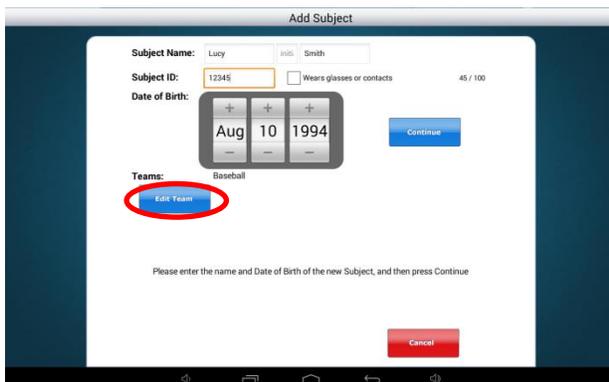
1. If necessary, log in with your KDTOS account username and password.



2. When viewing subjects, tap "Add" to add a new subject.



3. Enter the subject first name, last name, subject ID, date of birth and check if the subject wears glasses or contacts. Tap "Edit Team" to assign the new subject to specific team(s).



4. Check the team(s) that you would like to add the new subject to. Tap "Continue" when complete.

The screenshot shows the 'Add Subject' screen. At the top, the title is 'Add Subject'. Below it, there are several input fields: 'Subject Name' with 'Lucy' and 'Smith' in separate boxes, 'Subject ID' with '12345', and 'Date of Birth' with a date picker set to 'Aug 10 1994'. There is a checkbox for 'Wears glasses or contacts' which is unchecked. Below these fields is a 'Teams' section with a list of teams: 'Baseball', 'Baseball Archive', 'Football', and 'Soccer'. The 'Baseball Archive' and 'Football' options are checked. A blue 'Continue' button is located to the right of the date picker, and a red 'Cancel' button is at the bottom right. Two red circles highlight the 'Continue' button and the checked 'Baseball Archive' and 'Football' options.

TROUBLESHOOTING:

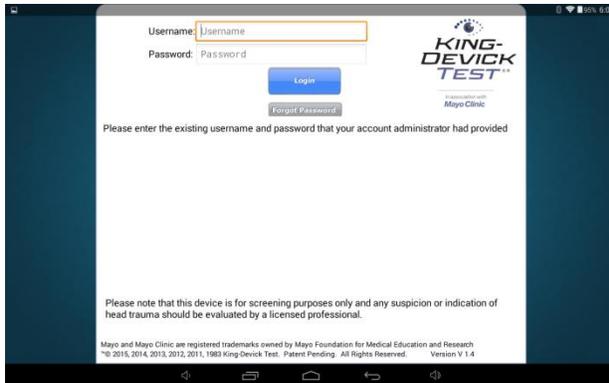
- When logged in as a User, if there is no "Add" button available please contact your account Administrator. Users must have access to teams and/or all subjects to be able to add teams and subjects.

Adding a Subject

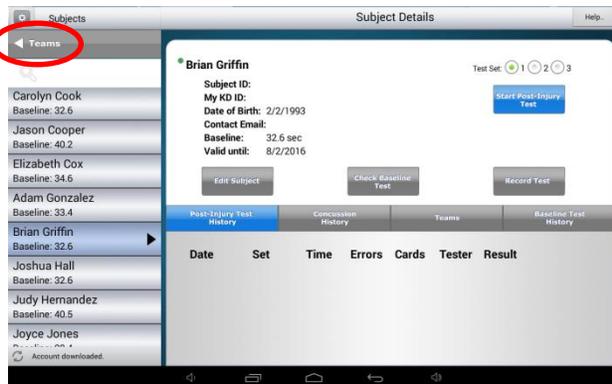
As a User Account

The K-D Test App allows you to add subjects. This function is available to KDTOS account Administrators and Users with access to teams and/or all subjects.

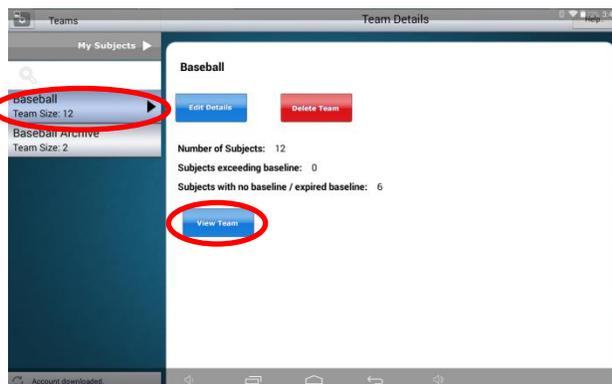
1. If necessary, log in with your KDTOS account username and password.



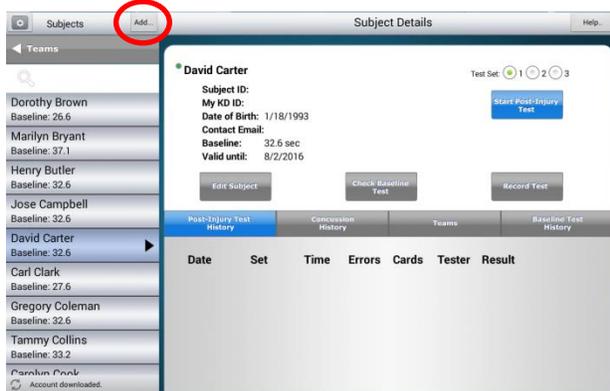
2. From the homepage tap "Teams".



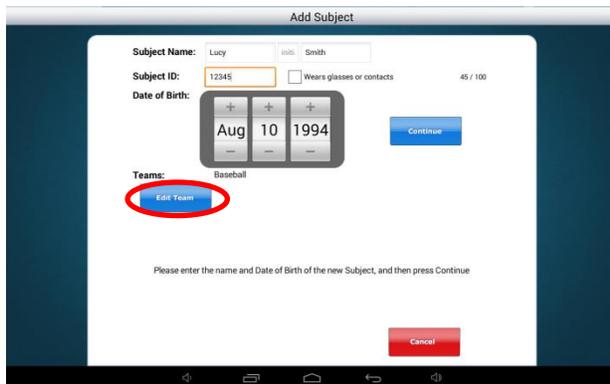
3. Select the team that you would like to add a subject to. Tap "View Team".



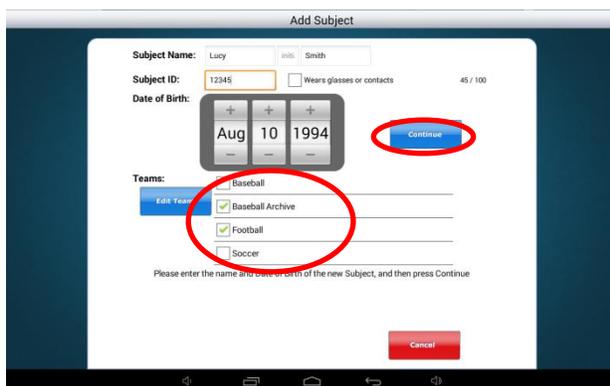
4. Tap "Add" to add a subject to the selected team.



5. Enter the subject first name, last name, subject ID, date of birth and check if the subject wears glasses or contacts. The new subject will be assigned to the selected team. Tap "Edit Team" to assign the new subject to any additional teams.



6. Check the team(s) that you would like to add the new subject to. Tap "Continue" when complete.



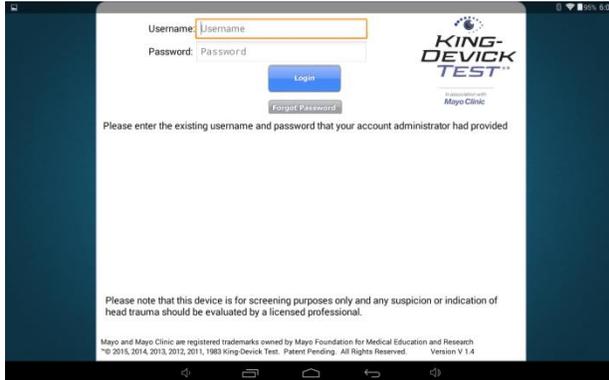
TROUBLESHOOTING:

- When logged in as a User, if there is no "Add" button available please contact your account Administrator. Users must have access to teams and/or all subjects to be able to add teams and subjects.

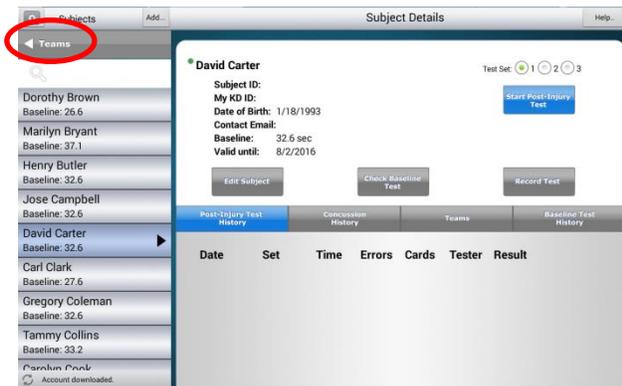
Adding a Team

The K-D Test App allows you to add Teams to help organize your subjects. This function is available to KDTOS account Administrators and Users with access to all subjects.

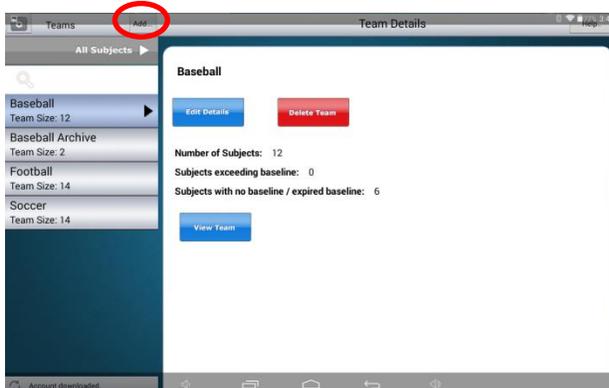
1. If necessary, log in with your KDTOS account username and password.



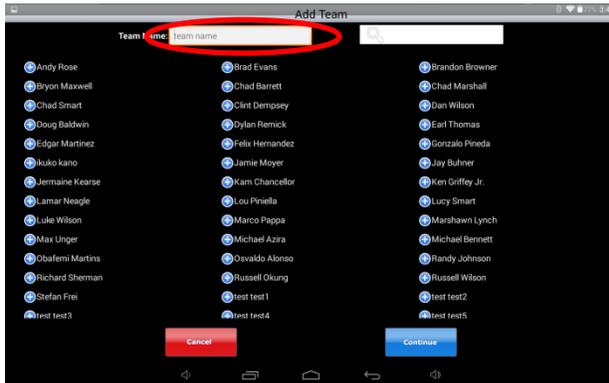
2. Tap "Teams" to view current teams.



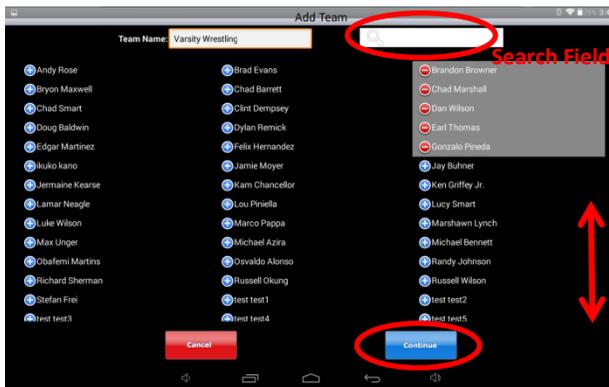
3. Tap "Add" to add a new team.



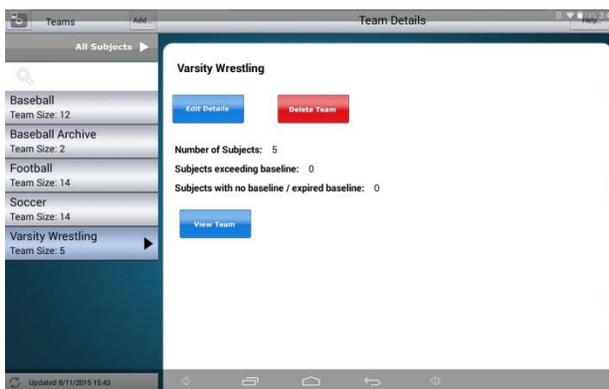
4. Enter the Team Name.



5. Scroll up and down to find subjects or you may search for subjects by name in the search field. Add any current subjects onto the team by tapping "+". Remove any subjects by tapping "-". Tap "Continue" when complete.



6. Your new team now appears in your team list. Tap "Edit Details" to change the team name, add or remove subjects.



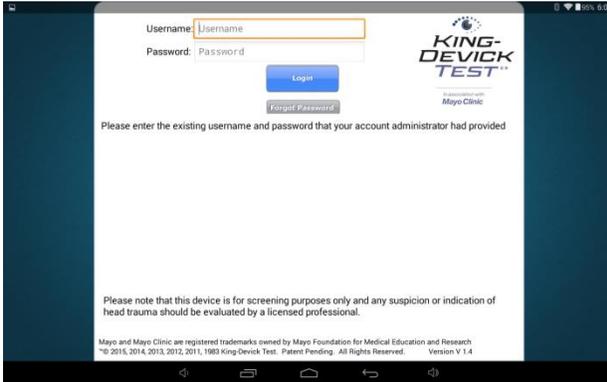
TROUBLESHOOTING:

- When logged in as a User, if there is no "Add" button available please contact your account Administrator. Users must have access to all subjects to be able to add teams.

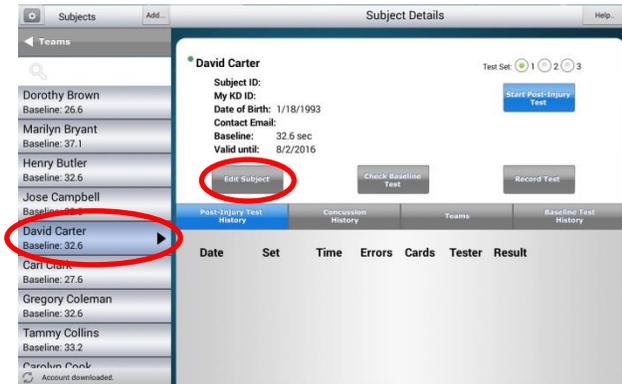
Assigning a Subject to a Team

The K-D Test App allows you to organize your subjects into Teams. This function is available to KDTOS account Administrators and Users with access to teams and/or all subjects.

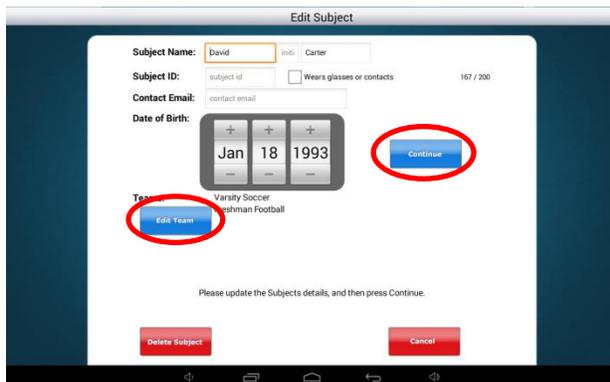
1. If necessary, log in with your KDTOS account username and password.



2. Select the subject from the subject list on the left column that you would like to add to a team. The subject's profile will appear in the subject details on the right. Tap "Edit Subject".



3. Tap "Edit Team". Check the teams that you would like to add the subject to. Tap "Continue" when complete.

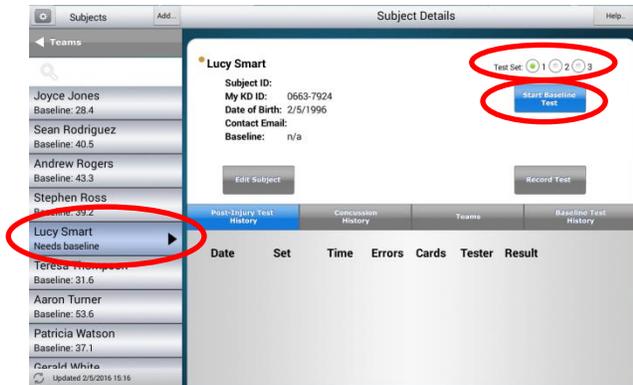


Administering a Baseline Test

The K-D Test App allows you to administer a Baseline Test directly on the tablet and sync with your KDTOS account.

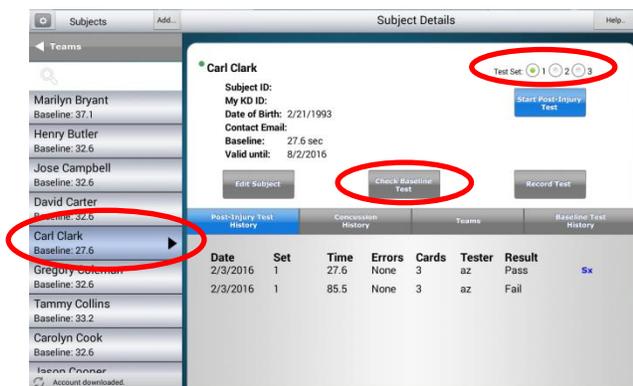
How to Establish a New Baseline

Baseline testing is available for new subjects that need a baseline. Select the subject from the subject list on the left pane that you would like to administer a Baseline test to. The subject's profile will appear in the subject details on the right. Select the test set by tapping on the Test Set number. Tap "Start Baseline Test".



How to Renew a Baseline Test

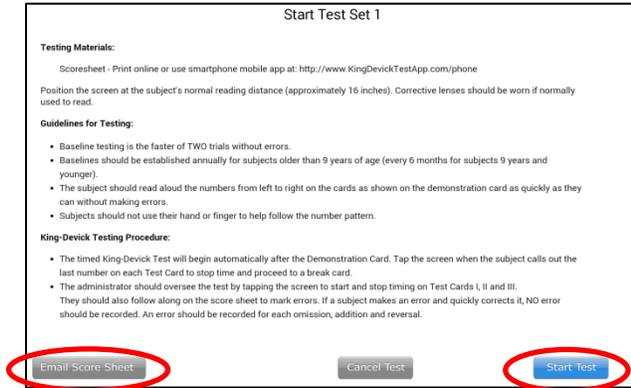
Tap on "Check Baseline Test" if it has been a year (or 6 months for subjects 9 years of age and younger) and you need to renew a subject's baseline test. Check Baseline Test is available for any subjects who have previously established a Baseline. For these subjects, select the test set by tapping on the Test Set number. Then tap "Check Baseline Test".



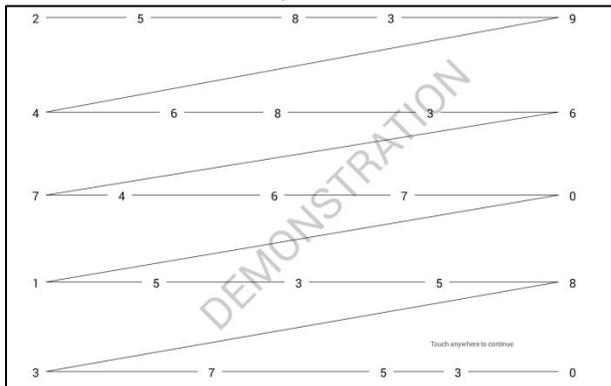
What is the Test Set?

There are 3 test sets available through KDTOS. Test sets are the same King-Devick task with different number sets to minimize memorization. As the test administrator be sure to have the corresponding Test Set Score Sheet to follow along for errors.

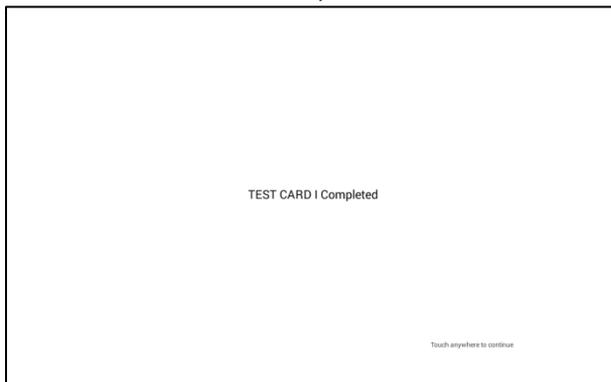
1. Please read the Instructions for Use carefully. The test administrator should have the corresponding Score Sheet ready to record any errors. Email Score Sheets to yourself by tapping "Email Score Sheet" or view Score Sheets online at <https://www.kingdevicktestapp.com/phone>. Tap "Start Test" to begin the test.



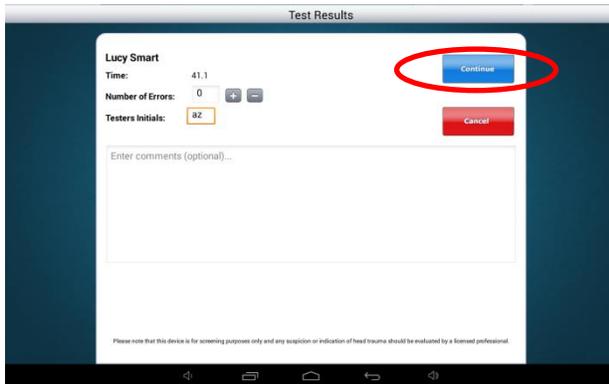
2. The Demonstration Card is displayed and no active, automatic timing is occurring. The test administrator should explain the task to the subject. When both the test administrator and subject are ready to begin, the test administrator should touch the screen to control the automatic timing and advance to Test Card 1. The subject should immediately begin reading aloud the numbers and the test administrator should follow along on their Score Sheet to mark any errors.



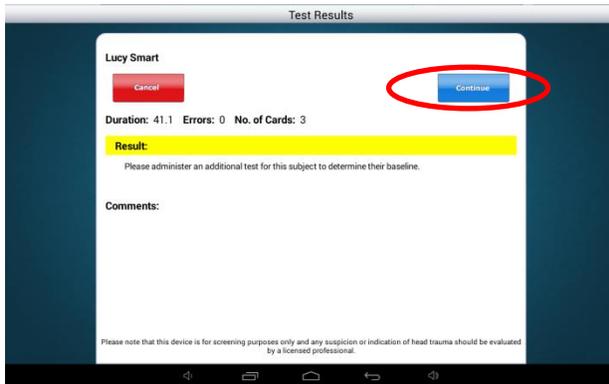
3. When the subject calls out the last number on Test Card 1, the test administrator should tap the screen to pause timing. A break card is displayed and no active, automatic timing is occurring. When both the test administrator and subject are ready to continue, the test administrator should touch the screen to control the automatic and advance to Test Card 2. Repeat this for Test Card 3.



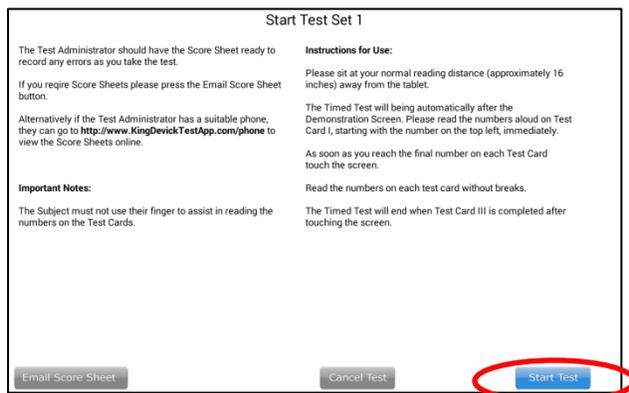
- On the Test Results page, enter the Number of Errors, the Tester's Initials and any comments. Tap "Continue" to save the result or tap "Cancel" to cancel and discard this result.



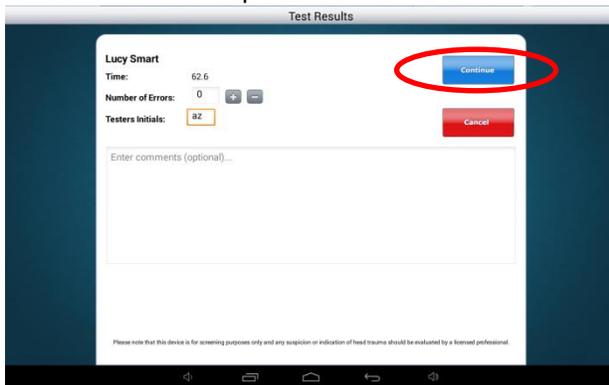
- Baseline testing requires two test trials. After one test administration you will receive the following message. Tap "Continue" to return to testing and administer an additional test.



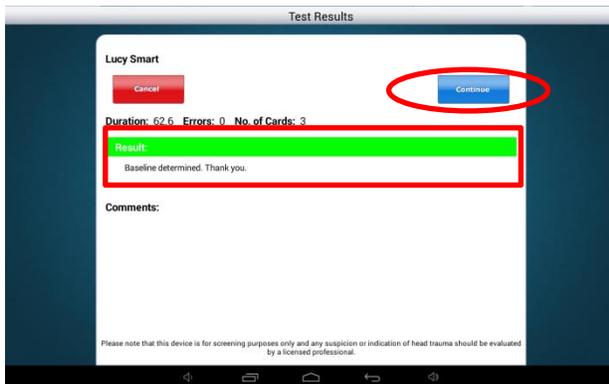
- Tap "Start Test". Repeat testing through Test Cards 1, 2 and 3.



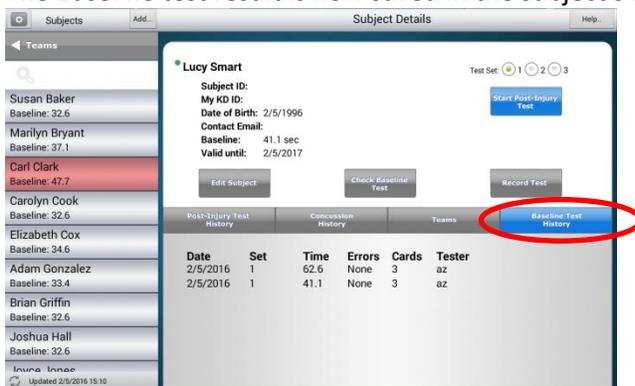
- On the Test Results page, enter the Number of Errors, the Tester's Initials and any comments. Tap "Continue" to save the result or tap "Cancel" to cancel and discard this result.



- When two acceptable baseline trials have been administered, you will receive a notice that the Baseline has been determined.



- The Baseline test result is now saved in the subject's Baseline History tab.



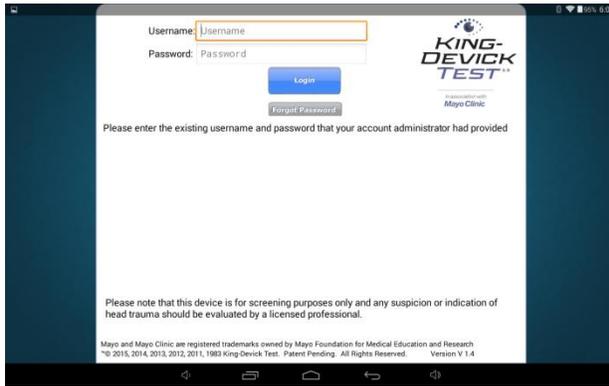
TROUBLESHOOTING:

- Baseline testing requires at least two test administrations. If you've run one baseline test but the subject still has a YELLOW indicator and states "Needs Baseline", please administer another baseline test until you reach the results page that displays "Baseline Determined. Thank you."
- Test Set: There are 3 test sets available through KDTOS. Test sets are the same King-Devick task with different number sets to minimize memorization. As the test administrator be sure to have the corresponding Test Set Score Sheet to follow along for errors.

Administering a Post-Injury Test

The K-D Test App allows you to administer a Post-Injury Test directly on the tablet and sync with your KDTOS account.

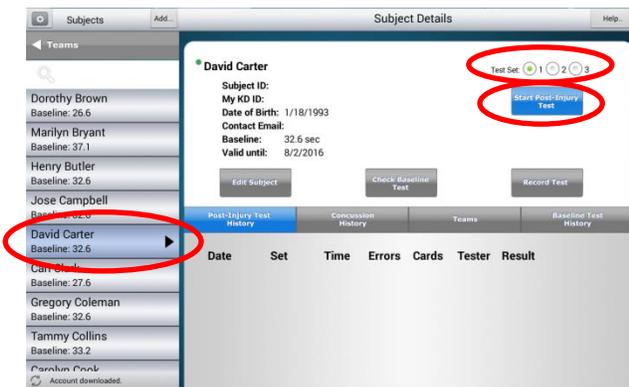
1. If necessary, log in with your KDTOS account username and password.



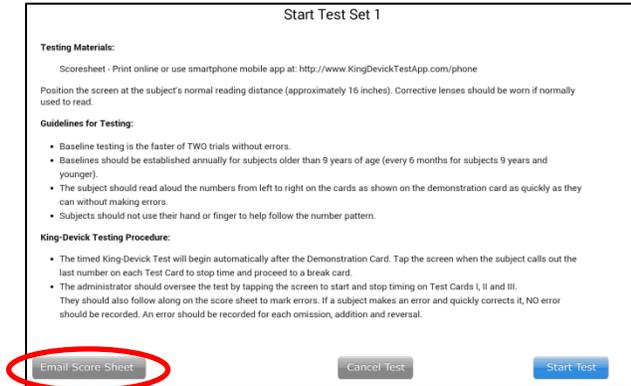
2. Select the subject from the subject list on the left column that you would like to administer a test to. The subject's profile will appear in the subject details on the right. Select the test set by tapping on the Test Set number.

What is the Test Set?

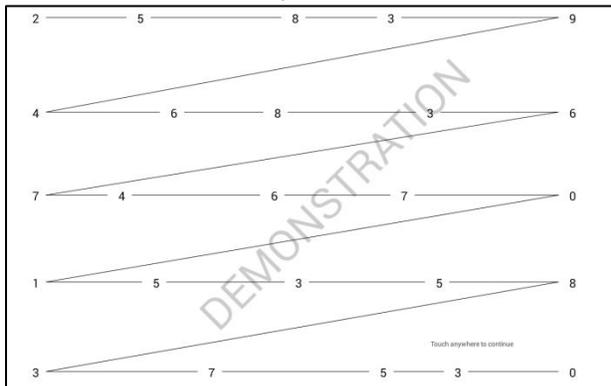
There are 3 test sets available through KDTOS. Test sets are the same King-Devick task with different number sets to minimize memorization. As the test administrator be sure to have the corresponding Test Set Score Sheet to follow along for errors. Tap "Start Post-Injury Test".



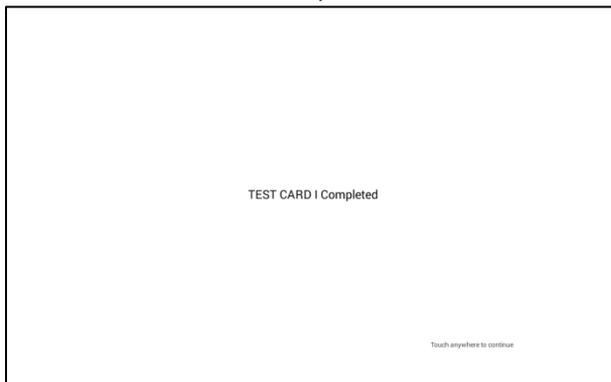
- Please read the Instructions for Use carefully. The test administrator should have the corresponding Score Sheet ready to record any errors. Email Score Sheets to yourself by tapping "Email Score Sheet" or view Score Sheets online at <https://www.kingdevicktestapp.com/phone>. Tap "Start Test" to begin the test.



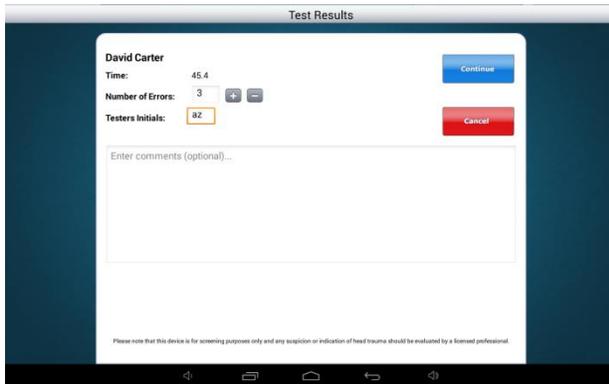
- The Demonstration Card is displayed and no active, automatic timing is occurring. The test administrator should explain the task to the subject. When both the test administrator and subject are ready to begin, the test administrator should touch the screen to control the automatic timing and advance to Test Card 1. The subject should immediately begin reading aloud the numbers and the test administrator should follow along on their Score Sheet to mark any errors.



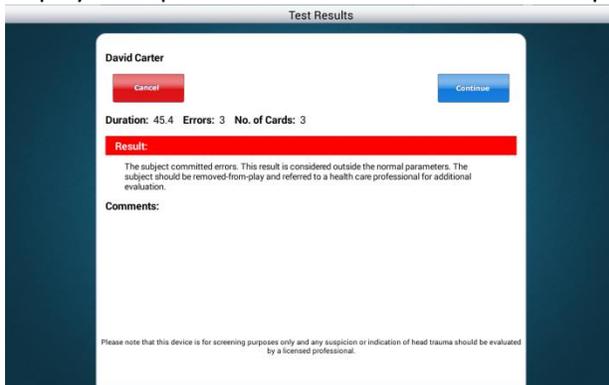
- When the subject calls out the last number on Test Card 1, the test administrator should tap the screen to pause timing. A break card is displayed and no active, automatic timing is occurring. When both the test administrator and subject are ready to continue, the test administrator should touch the screen to control the automatic and advance to Test Card 2. Repeat this for Test Card 3.



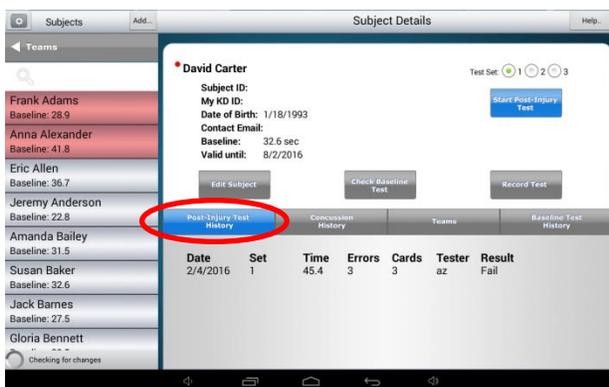
- On the Test Results page, enter the Number of Errors, the Tester's Initials and any comments (i.e. how the injury was sustained, acute signs and symptoms, etc.). Tap "Continue" to save the result or tap "Cancel" to cancel and discard this result.



- The test result is automatically compared to the individual subject's pre-injury Baseline and results are displayed. Tap "Continue" to save this result or tap "Cancel" to cancel and discard this result.



- The test result is now saved in the subject's Post-Injury Test History tab.



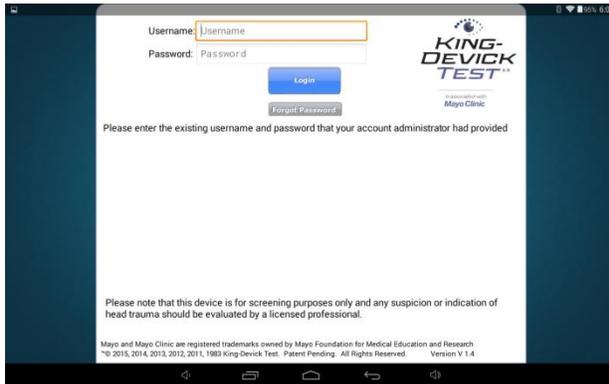
TROUBLESHOOTING:

Test Set: There are 3 test sets available through KDTOS. Test sets are the same King-Devick task with different number sets to minimize memorization. As the test administrator be sure to have the corresponding Test Set Score Sheet to follow along for errors.

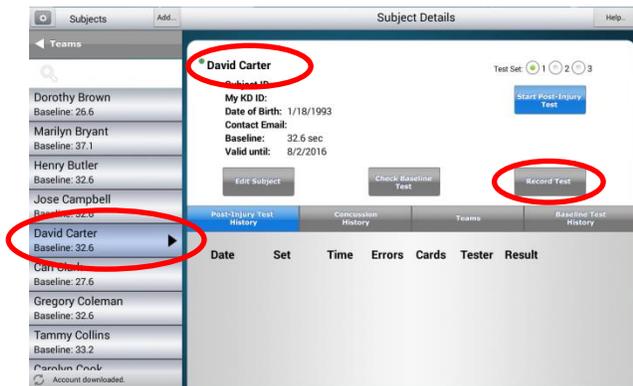
Recording a Test Result

The K-D Test App allows you to add prior test results into the KDTOS.

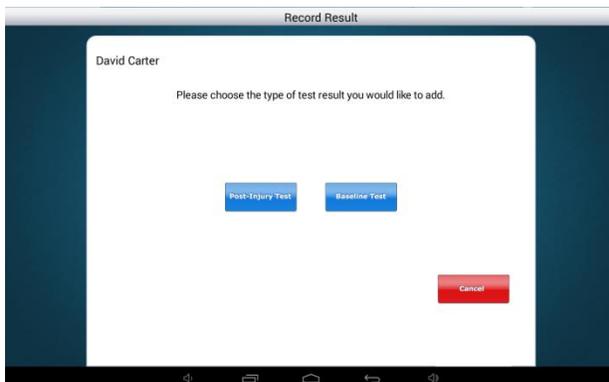
1. If necessary, log in with your KDTOS account username and password.



2. Select the subject from the subject list on the left column that you would like to record a test result. The subject's profile will appear in the subject details on the right. Tap "Record Test".

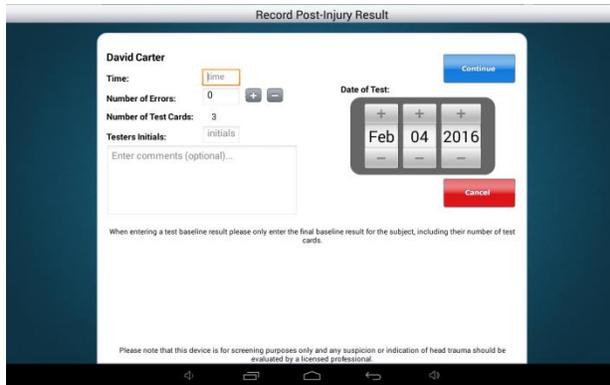


3. In the Record Test Result page, select which type of test you are recording.



What is a Post-Injury Test?

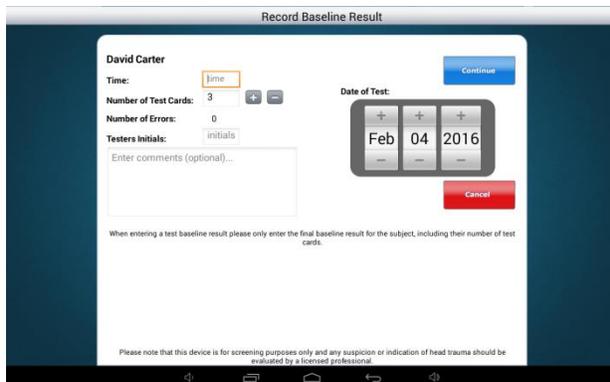
A **Post-Injury Test** is any test administration following suspected head trauma.



Record the total Time, Errors and Number of Test Cards used during testing. Enter the Tester's Initials and the date of the test. In the comments area you may add observations about the suspected injury (i.e. how the injury was sustained, acute signs and symptoms exhibited, etc.). Tap "Continue" to save this result.

What is a Baseline Test?

A **Baseline Test** is a pre-injury baseline test score determined by following the Baseline Testing protocol which establishes a baseline test score as the faster of two error free trials.



Enter in the final Baseline Time, Number of Test Cards used, Tester's Initials, date of the test and any additional comments. Tap "Continue" to save this result.

TROUBLESHOOTING:

- When recording a BASELINE test result, please only enter the final baseline result for the subject and their number of test cards.

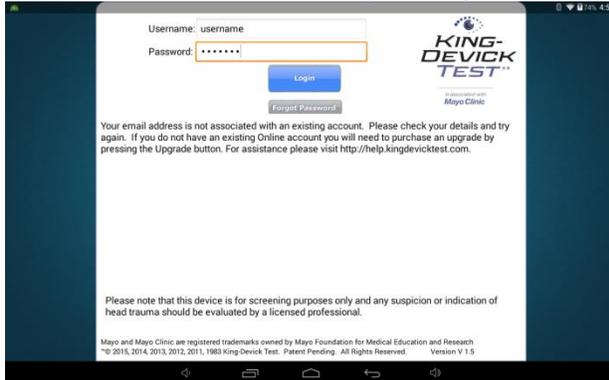
Troubleshooting

Your satisfaction is important to us. We're happy to assist you over the phone or via email.
Please contact us directly at: **+1-630-501-0281** or email us at support@kingdevicktest.com.

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Can't log in

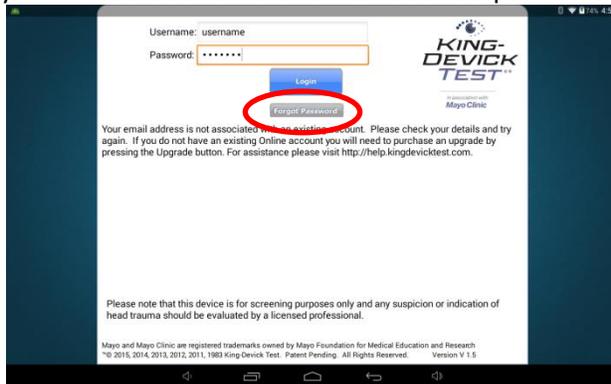
If you receive this error message during the KDTOS log in:



1. Please check your Username and Password. The Password entry is case sensitive.
2. Please check your internet connection. See [Connecting to Wi-Fi](#).

Forgot my password

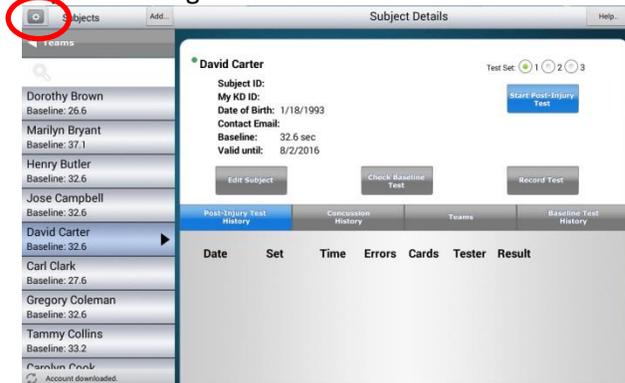
If you've forgotten your KDTOS password and need to retrieve it, launch the K-D Test App and tap "Forgot Password". You will be redirected to <https://www.kingdevicktestapp.com/Account/ForgottenPassword>. Enter your KDTOS Username email to receive a password reminder to your registered email address.



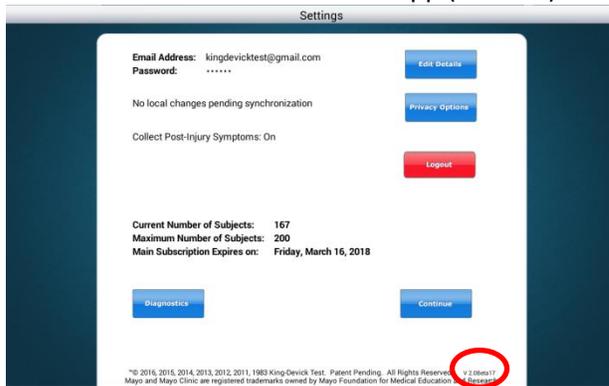
K-D Test App Version

Ensure that you're running the latest version of the K-D Test App for optimal performance.

1. Tap the settings icon.



- Note the version of the K-D Test App (i.e. v#.#).



Can't add a subject or a team

When logged in as a User, if there is no "Add" button available please contact your account Administrator. Users must have access to all subjects to be able to add teams and subjects.

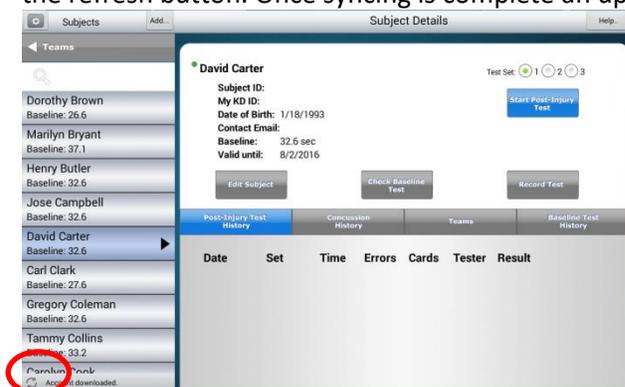
KDTOS and the Tablet are not syncing

- Log on to your KDTOS account via an internet connected computer at <http://www.kingdevicktestapp.com>. Check to make sure that all your data is present.
 - If there is missing data, there is still offline data from the tablet that needs to be transferred. See [Syncing the Tablet](#) and [Take a Snapshot](#).
 - If all data is present, see [Force Refresh](#) to sync your KDTOS data with your tablet.

Syncing the Tablet

Syncing the tablet manually pushes all the local data on your tablet to your KDTOS.

- Please check your Wi-Fi/internet connection. Try launching a website through Google Chrome or tap on the "Help" button to launch the King-Devick Support site to ensure connectivity. Once connected to Wi-Fi, tap the refresh button. Once syncing is complete an updated date/time stamp will appear.



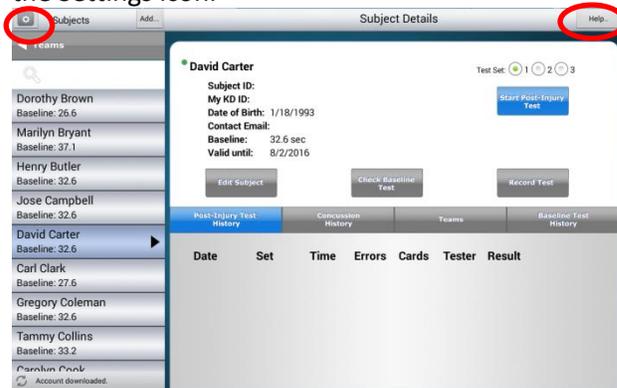
- If you receive a sync error message, take a Snapshot to create a backup of your data and email us at support@kingdevicktest.com. See [Take a Snapshot](#).

Run Diagnostics

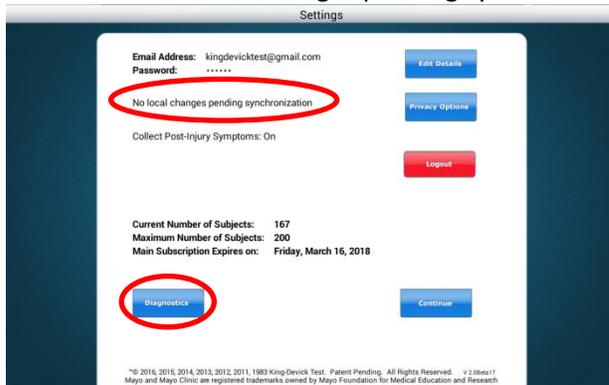
Force Refresh

The Force Refresh feature manually pushes all the data on your KDTOS account to your tablet. Before choosing this option, log on to your KDTOS account via an internet connected computer at <http://www.kingdevicktestapp.com>. Check to make sure that all your data is present.

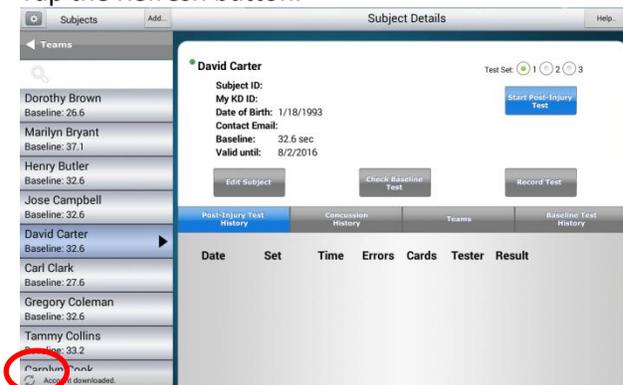
1. Please check your Wi-Fi/internet connection. Try launching a website through Google Chrome or tap on the "Help" button to launch the King-Devick Support site to ensure connectivity. Once connected to Wi-Fi, tap the Settings icon.



2. If there are "No local changes pending synchronization", tap "Diagnostics". Then tap "Force Refresh".



If there are "Local changes pending synchronization", return to the home page by tapping "Continue". Then Tap the Refresh button.

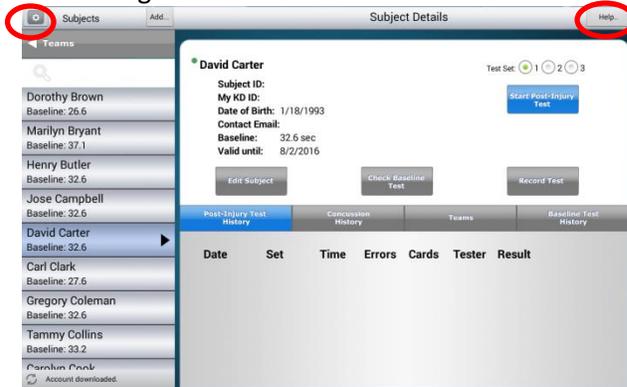


- If you receive a sync error message, take a Snapshot to create a backup of your data and email us at support@kingdevicktest.com. See [Take a Snapshot](#).

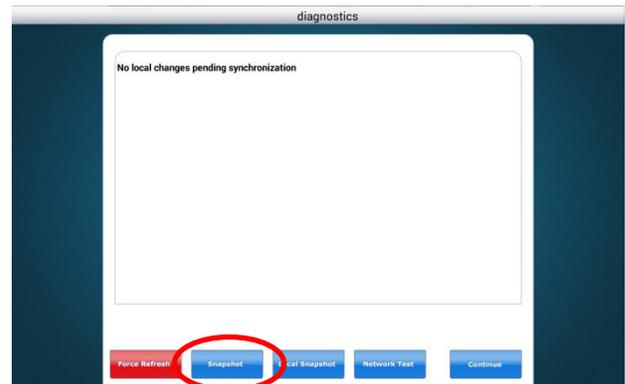
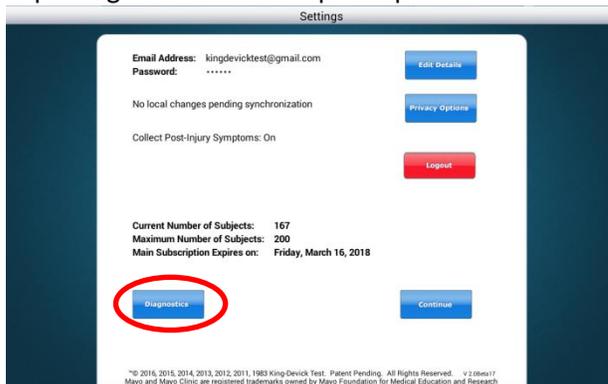
Take a Snapshot

A Snapshot creates a backup of the offline data from your tablet to ensure that no data is lost.

- Please check your Wi-Fi/internet connection. Try launching a website through Google Chrome or tap on the "Help" button to launch the King-Devick Support site to ensure connectivity. Once connected to Wi-Fi, tap the Settings icon.

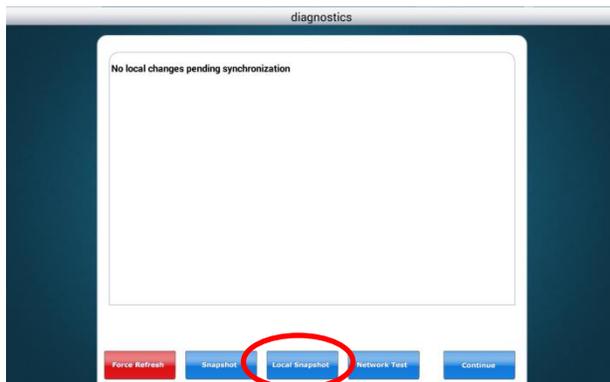


- Tap "Diagnostics". Then tap "Snapshot".



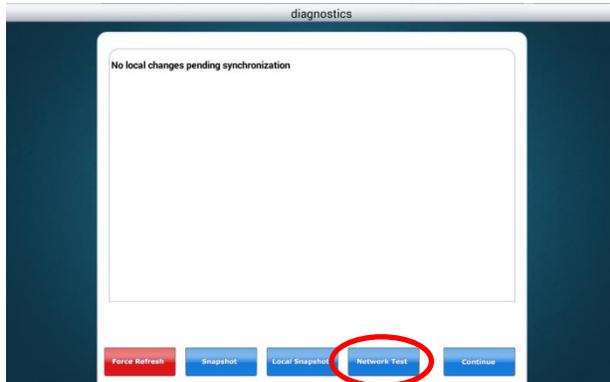
Local Snapshot

A Local Snapshot can be used when Wi-Fi connectivity is not available and creates a backup of the offline data from your tablet to ensure that no data is lost.



Network Test

A Network Test can be run during troubleshooting to determine the quality of your Wi-Fi connection for optimal synchronization.



K-D Test App crashes

If you receive an error message: "Unfortunately, K-D Test has stopped working." Tap "Always Send" crash report. This will allow IT to assist in resolving the issue.

1. Drag up from the bottom of the tablet. Tap the  button to show all running apps.
2. The K-D Test App will minimize in the background, swipe up to force quit the application.
3. Try relaunching the K-D Test App.

Contact Details

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