EMS Timers Professional User Guide

Introduction

This manual provides an introduction to how to use the EMS Timers Professional application on an iPhone or ipad.

EMS Timers Professional is an iOS timing and PCR program for Emergency Medical Services (EMS) providers such as EMTs, paramedics, nurses, and emergency room physicians. Unlike other iOS programs that attempt to replace Patient Care Reports (PCRs), EMS Timers Professional supplements written PCRs by allowing the EMS provider to track a patient contact through the usual phases of: Dispatch, Patient Contact, Transport, Hospital Arrival, Cleared,and Return to Service. At each stage of the patient contact, a user only needs to touch an entry in the main window to time-stamp that stage. In addition, a user can start a running timer and may also start timers for a 5-minute patient re-assessment and a 15-minute patient re-assessment. Services that do not want to track further patient information may not need other features of the program.

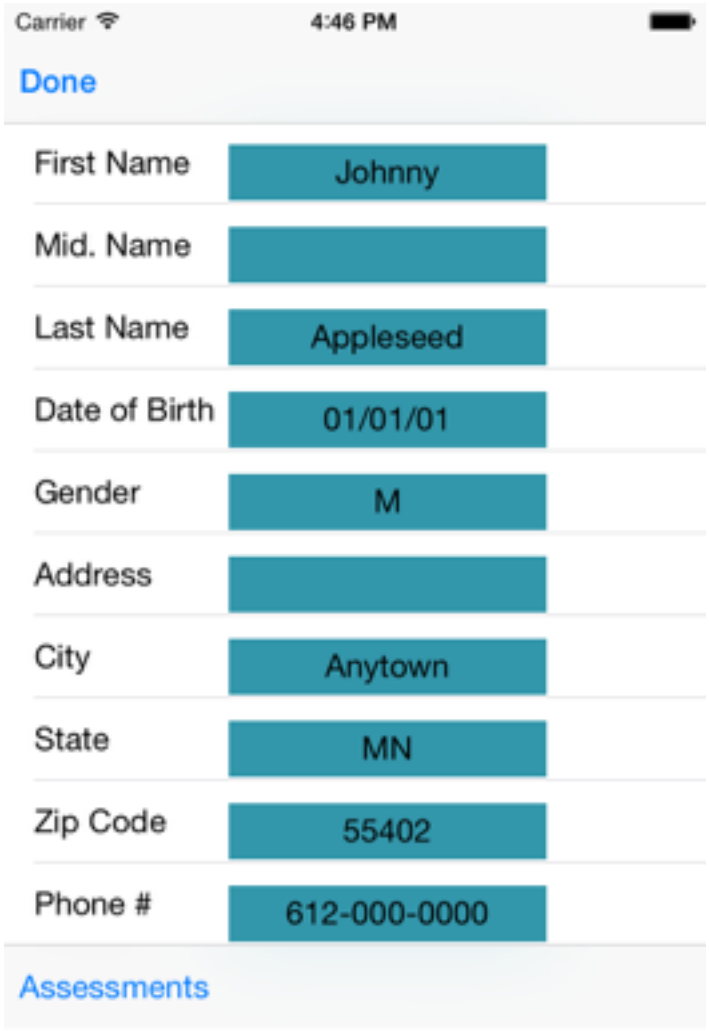
Operation of the application is secured by an initial screen that requires the user to enter a user name and a password. The password must be re-entered in a second field to avoid typing errors. Once the user name and passwords have been entered, the user presses the Create button. The application does not force any restrictions on the type of data that may be entered for either the user name of the password. Each time that the program re-enters the foreground after the Home button of the device is pressed, a login screen will request re-entry of the password by pressing the Login button. The password is stored in the iOS Keychain, a secure container that prevents someone who obtains access to a backup from accessing the password. The password can be reset by pressing the Reset button and entering the current password, the new password and a copy of the new password. The user name cannot be changed without deleting the application and re-downloading it, but in that case all data will be deleted.

For those services that want to track patient identifying information, the user can enable a switch in the iOS Settings for the program that requires another password to be set at program launch and

re-entered in order to view identifying patient information. The actual password to be used is entered in the Settings above the password enable switch.

If the user wants to enter patient information, the flow of the program is different when the Patient Contact table entry is touched.

When the Patient Contact Time row has been touched, a screen similar to the following will appear:



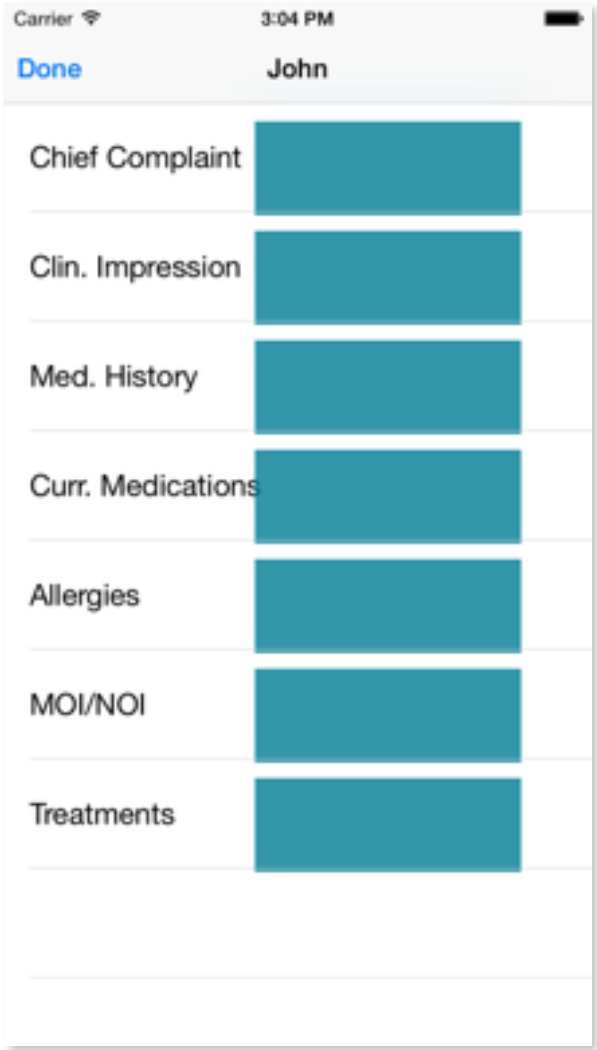
Text may be entered in each of the fields, followed by a carriage return. Each entry is optional. The TAB key may be used to tab through the fields. When the user is finished entering data, the Done button should be touched. The program then returns to the main window.

To enter Assessment data for the patient, the Assess button is pressed. This brings up a blank screen such as the following.

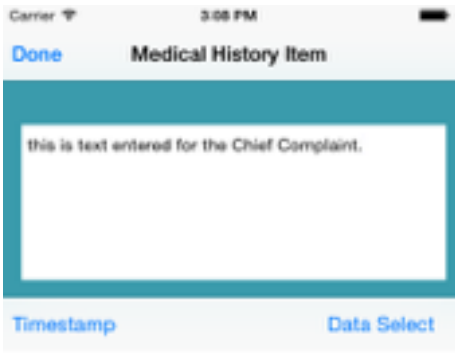
Text can be entered directly into the shaded fields,followed by a carriage return. As always, the Done button returns to the previous window.

The program applies a number of edits to the entered data (e.g. all numerics) and also set limits to ranges for certain fields (e.g., a maximum of 300 mm HG for systolic BP).

In order to enter the patient's medical history, the Medical History button is touched, bringing up the following window.


Carrier
3:04 PM
Done
John
Chief Complaint
Clin. Impression
Med. History
Curr. Medications
Allergies
MOI/NOI
Treatments

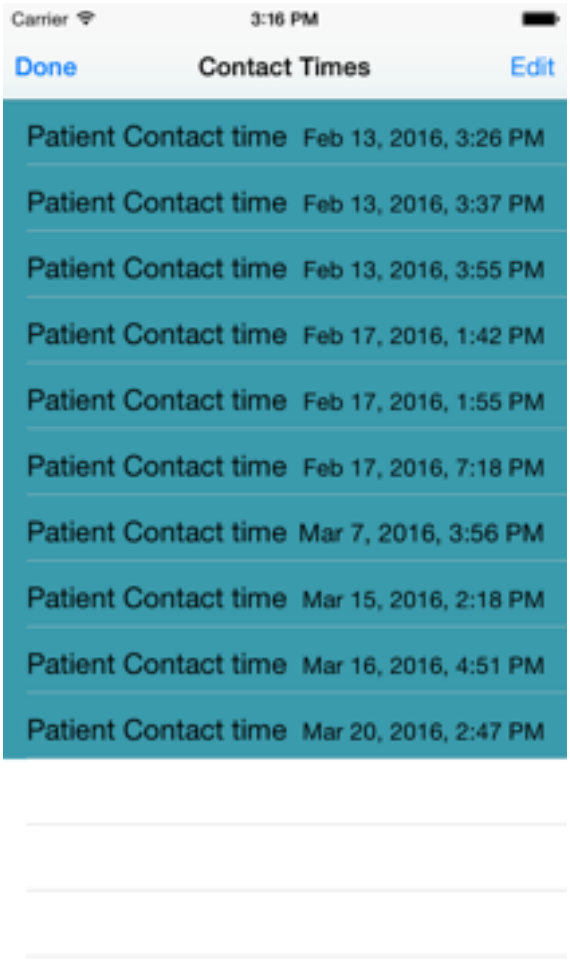
To improve the accuracy of text entry, a label in the left column can be touched, bringing up a detailed text entry screen.



If text had been entered in the previous window, that text is displayed in a larger font against a white background. Additional text can then be entered or the existing text may be changed. In addition, the Timestamp button can be touched to insert a timestamp into the text. As always, the Done button is touched to return to the previous screen. Done is touched sequentially to return to the main window.

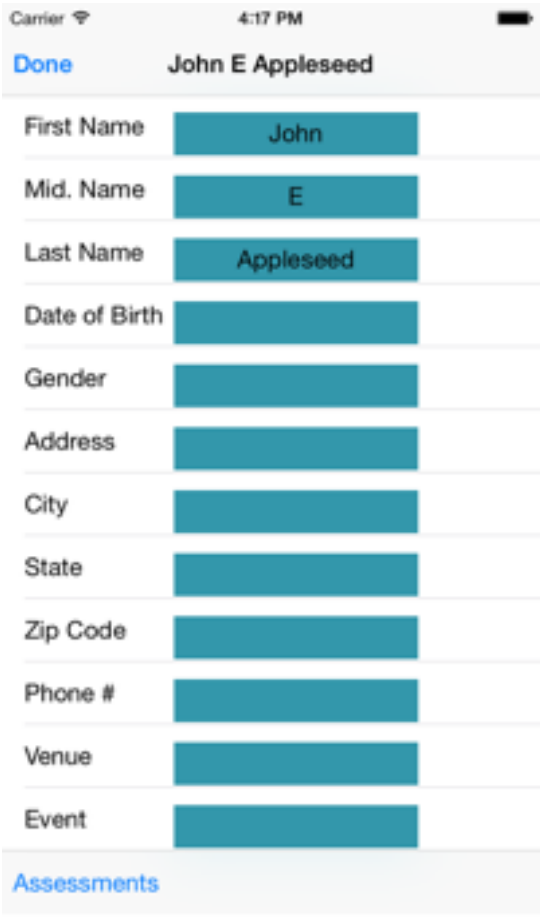
At the main window, the program is still working on the currently selected patient. To work on a different patient, the red X in the upper right corner of the main window must be pressed. This will clear all timers (after the user confirms).

In order to display the patient data, the Display Data button is touched. A screen of patient contact times then appears. The following screen has multiple patient contacts on it. To select a patient, click on one of the rows.

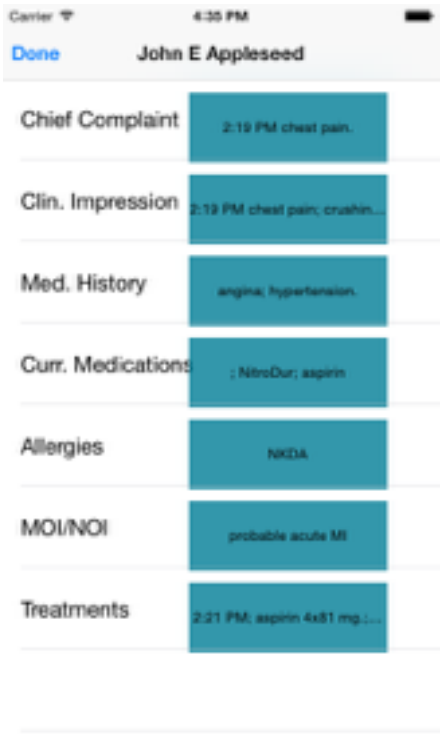


The next screens appear when one of the patient contacts has been selected.

The basic patient data is shown, then after touching Assessments, the Assessment data, then after touching Medical History, the detailed medical history.




Carrier
4:35 PM
Done
John E Appleseed
Systolic BP
150
Diastolic BP
90
Pulse
90
Respiration
20
SPO2
90
Medical History


Carrier
4:35 PM
Done
John E Appleseed
Chief Complaint
2:19 PM chest pain.
Clin. Impression
2:19 PM chest pain; crushin...
Med. History
angina; hypertension.
Curr. Medications
; NitroDur; aspirin
Allergies
NKDA
MOI/NOI
probable acute MI
Treatments
2:21 PM: aspirin 4x81 mg.;...

This concludes the discussion of the basic features of EMS Timers Professional.

The Data Select button is functional only when the optional Central Administration feature is enabled. This feature is covered in a separate manual (see below).

The following optional features may be enabled by switches in the iOS Settings application. The Settings screen is shown below.

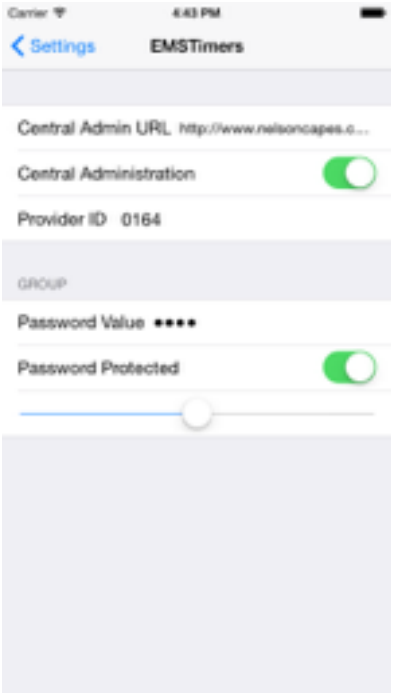
Central Admin URL: the URL of the Web page where JSON data for Central Administration may be downloaded.

Central Administration: toggle ON an OFF.

Provider ID: an identification of the user's EMS provider ID.

Password Value: a 4-digit numeric passcode.

Password Protected: toggle ON and OFF. If ON, prevents display of patient data unless an entered passcode matches the Password Value.



Passcodes:

A user of the program may require a 4-digit passcode to be entered in order to display any patient data. This feature is controlled by the Password Protected switch in the program's Settings. If an attempt is made to display patient data without the correct passcode, the program will not allow further function until either: 1) the Password Protected switch is turned off or 2) the Home button on the iOS device is pressed to return to the iOS Home Screen, then the program running in the background is dismissed by swiping it off the screen after hitting Home twice.

Revisions History

April 2016 ---original manual-----
May 2016 ---revised-------------
June 2016 ---revised_____________