

EMS Timers Professional User Guide

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Introduction

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

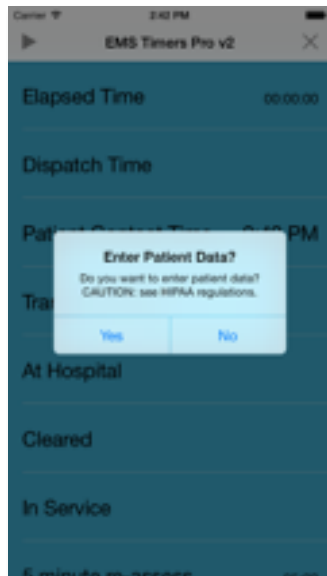
EMS Timers Professional is an iOS timing and PCR program for Emergency Medical Services (EMS) providers such as EMTs, paramedics, nurses, and emergency room physicians. Unlike other iOS programs that attempt to replace Patient Care Reports (PCRs), EMS Timers Professional supplements written PCRs by allowing 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 or 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:

Carrier 4:46 PM

[Done](#)

First Name	Johnny
Mid. Name	
Last Name	Appleseed
Date of Birth	01/01/01
Gender	M
Address	
City	Anytown
State	MN
Zip Code	55402
Phone #	612-000-0000

[Assessments](#)

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.

The screenshot shows a mobile application interface for entering patient data. At the top, there is a status bar with 'Carrier' and '2:55 PM'. Below this is a header bar with a 'Done' button on the left and the patient's name 'John' on the right. The main content area contains five rows of data entry fields, each with a label on the left and a shaded input field on the right. The labels are 'Systolic BP', 'Diastolic BP', 'Pulse', 'Respiration', and 'SPO2'. The input fields contain the values '120', '80', '70', '12', and '95' respectively. Below these fields is a button labeled 'Medical History'.

Label	Value
Systolic BP	120
Diastolic BP	80
Pulse	70
Respiration	12
SPO2	95

Medical History

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

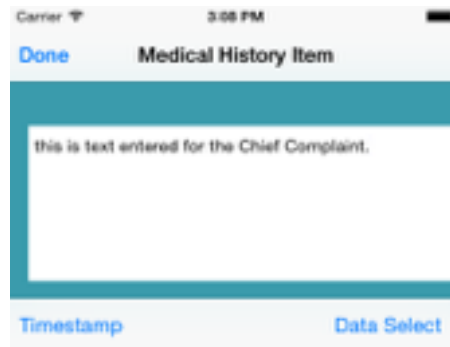
3:04 PM

Done

John

Chief Complaint	
Clin. Impression	
Med. History	
Curr. Medications	
Allergies	
MOI/NOI	
Treatments	

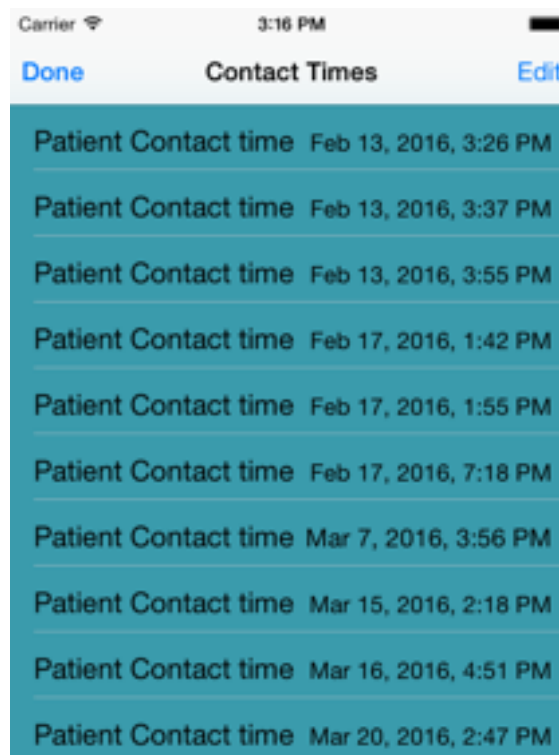
To improve the accuracy of text entry, a label in the left column can be touched, bringing up a detailed text entry screen.



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 screenshot shows a mobile application interface. At the top, there is a status bar with 'Carrier', a signal strength icon, the time '3:16 PM', and a battery icon. Below the status bar is a header bar with a blue background. On the left of the header bar is the word 'Done' in blue. In the center is the title 'Contact Times' in black. On the right is the word 'Edit' in blue. Below the header bar is a list of ten rows, each with a teal background. Each row contains the text 'Patient Contact time' followed by a date and time. The rows are separated by thin white lines. Below the list, there are three empty rows with a light blue background, also separated by thin white lines.

Patient Contact time	Feb 13, 2016, 3:26 PM
Patient Contact time	Feb 13, 2016, 3:37 PM
Patient Contact time	Feb 13, 2016, 3:55 PM
Patient Contact time	Feb 17, 2016, 1:42 PM
Patient Contact time	Feb 17, 2016, 1:55 PM
Patient Contact time	Feb 17, 2016, 7:18 PM
Patient Contact time	Mar 7, 2016, 3:56 PM
Patient Contact time	Mar 15, 2016, 2:18 PM
Patient Contact time	Mar 16, 2016, 4:51 PM
Patient Contact time	Mar 20, 2016, 2:47 PM

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.

The screenshot shows a mobile application interface for patient data entry. At the top, the status bar displays 'Carrier', signal strength, '4:17 PM', and battery level. Below this is a header bar with a blue 'Done' button on the left and the patient's name 'John E Appleseed' in the center. The main form consists of several rows, each with a label on the left and a blue input field on the right. The labels are: 'First Name', 'Mid. Name', 'Last Name', 'Date of Birth', 'Gender', 'Address', 'City', 'State', 'Zip Code', 'Phone #', 'Venue', and 'Event'. The input fields for 'First Name', 'Mid. Name', and 'Last Name' contain the text 'John', 'E', and 'Appleseed' respectively. The other input fields are empty. At the bottom of the form is a blue button labeled 'Assessments'.

Label	Value
First Name	John
Mid. Name	E
Last Name	Appleseed
Date of Birth	
Gender	
Address	
City	
State	
Zip Code	
Phone #	
Venue	
Event	

Assessments

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	NRDA
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.

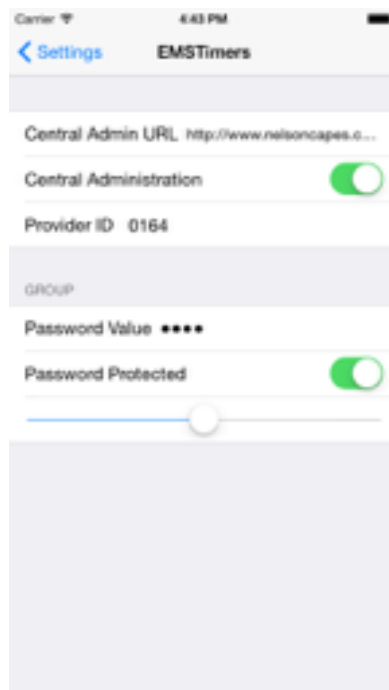
Central Admin URL: the URL of the web page where JSON data for Central Administration may be downloaded.

Central Administration: toggle ON and 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_____