

# EMS Timers Professional

## Central Administration Guide

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### Introduction

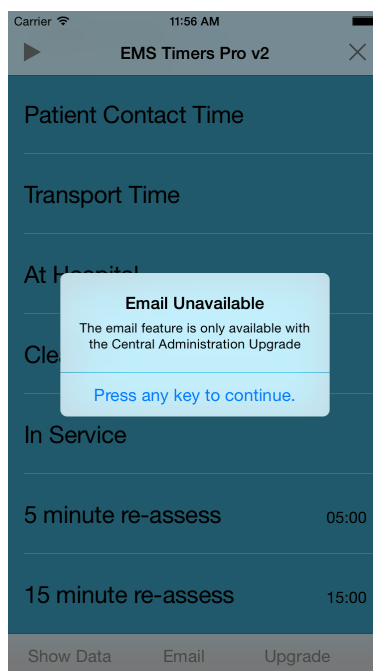
This manual supplements the EMS Timers Professional User Guide and provides detailed instruction on using the Central Administration features.

Central Administration adds the following features to the basic program:

- emailing patient data to a user-selected email account.
- downloading authorized text for the various Medical History data fields from a central web site.

The Central Administration feature must be turned on by going to the standard iOS Settings app.

Central Administration is an in-app purchase that can be added to the basic application. If the purchase has not been done, a screen such as the following will appear:



## Emailing Patient Data

To email patient data that has been previously entered, at the main window touch on the [Email Data](#) button. The program will then ask you to enter the email address to be used. If the address is formatted correctly, the following screen (sample) will appear:

Carrier 1:30 PM

[Cancel](#) Patient Data (confiden... [Send](#)

To: [nrcapes@gmail.com](mailto:nrcapes@gmail.com)

Cc/Bcc:

Subject: Patient Data (confidential)

Provider ID: 0164  
Patient's full name :John E  
Appleseed, Contact date/time:  
3/22/16; 1:25 PM, Venue: TCF, Event:  
football  
DOB: 10/27/1946, Gender: M,  
Address: 2 Robbins Rd., City:  
Boston, State: MA, Zip: 02174,  
Phone: 617-000-0000,  
Assessment: 3/22/16, 1:29 PM,  
Systolic BP: 150, Diastolic BP: 90,  
Pulse: 90, Respirations: 20, SPO2:  
90,  
Chief compl: nausea/vomiting; pain; ,  
Clin. Impr: breathing:abnormal; pulse:

For example, in Gmail, a screen such as the following would appear:

The email will be saved as a \*.txt file with embedded CSV (comma separated value) data. This data can then be imported into Excel, and with some additional formatting in Excel, a screen such as the following may be obtained:

[illegible]

## Downloading Authorized Medical History Text

In order to use this feature, a service must provide a text file on a web site that is accessible and is not password-protected. The text file must be formatted in JSON (Java Script Object Notation). For further information on this format, see the following site: [www.json.org](http://www.json.org).

The following are the specific key/value pairs which Central Administration allows in the text file:

```
{
  "interventions": ["intervention"],
  "providers" : ["provider ID"],
  "clinical_impression": ["clinical impression"],
  "chief_complaint": ["chief complaint"],
  "medications" : ["medication"],
  "medical_history" : ["history item"],
  "allergies" : ["allergy"],
  "moinoi" : ["MOI or NOI"]
}
```

The text file can contain any subset of these key/value pairs (**except for "providers" :**) in any order, but the formatting must be exact.

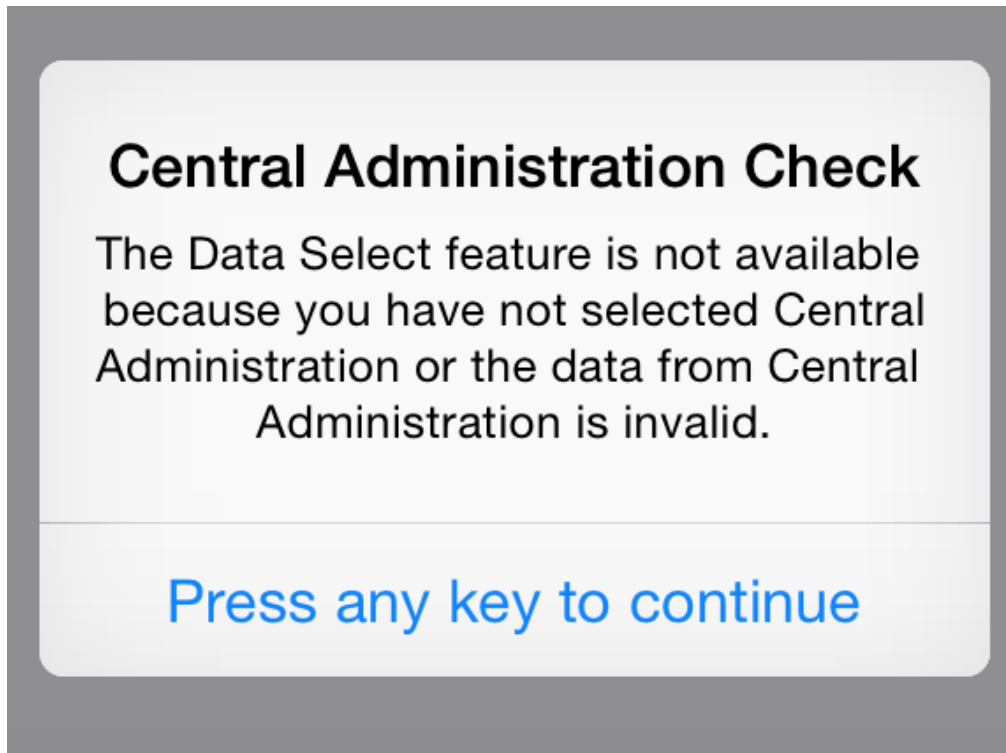
A sample JSON data file is shown below. This sample JSON data is embedded in the app and can be used instead of a web site.

```

{"interventions": ["albuterol", "aspirin", "benadryl",
"acetamenophen", "ibuprofen", "oxygen", "glucose",
"nitroglycerine" , "epinephrine", "nasal cannula", "NRB mask",
"BVM", "albuterol", "inhaler", "nebulizer", "diphenhydramine",
"glucometer", "epinephrine", "NPA", "OPA", "CPR", "AED",
"bandaging", "splinting", "ice", "cold pack", "suction"],
"medications" : ["aspirin", "Tylenol", "Advil", "epipen",
"nitroglycerin", "Cialis", "Viagra", "Benadryl", "Proventil",
"ProAir", "Ventolin", "epiPen", "nitro", "NitroStat",
"NitroQuik", "Nitrolingual", "NitroDur"],
"providers" : ["0164", "0165", "0166", "9999"],
"clinical_impression":["pain", "anxiety", "airway:patent",
"airway:nonpatent", "breathing:WNL", "breathing:abnormal",
"circulation:WNL", "pulse:WNL", "pulse: thready", "pulse:
rapid", "pulse: slow", "pulse: bounding", "skin: WNL", "skin:
pale", "skin: cool", "skin: clammy", "responsive: A", "responsive:
V", "responsive: P", "responsive: U"], "chief_complaint" :
["pain", "nausea/vomiting"], "medical_history": ["pain", "heart-
angina", "heart- MI", "heart- congestive heart failure",
"respiratory: asthma", "respiratory: emphysema"], "allergies":
["peanuts", "citrus", "NKDA"], "moinoi" : ["trauma: blunt",
"trauma: penetrating", "trauma: head", "trauma: neck", "trauma:
chest", "trauma: abdomen", "trauma: spine", "trauma: limbs",
"burns: first degree", "burns: second degree", "burns: third
degree", "medical: airway", "medical: abdominal pain", "medical:
allergic reaction", "medical: altered mental status", "medical:
chest pain", "medical: choking", "medical: hypoglycemia",
"medical: hyperglycemia", "medical: hypothermia", "medical:
hyperthermia", "medical: respiratory distress", "medical:
respiratory arrest", "medical : anaphylaxis", "medical:shock",
"medical: CVA:TIA", "medical:poisoning"]
}

```

If the web site is not accessible or the JSON data format is incorrect or the Central Administration, the following error screen will appear when the [Data Select](#) button on the Medical History screen is touched:



If the web site is accessible and the JSON data is formatted correctly, when the [Data Select](#) button the Medical History screen is touched, a screen such as the following will appear:

Chief Complaint	nausea/vomiting
Chief Complaint	pain
Clinical Impression	airway:nonpatent
Clinical Impression	airway:patent
Clinical Impression	anxiety

The screen is organized by the possible keys. In order to enter one of these entries into the medical history item, the user just clicks on it. This returns immediately to the medical history item and the selected text is inserted. Additional items may added by clicking the [Data Select](#) button.

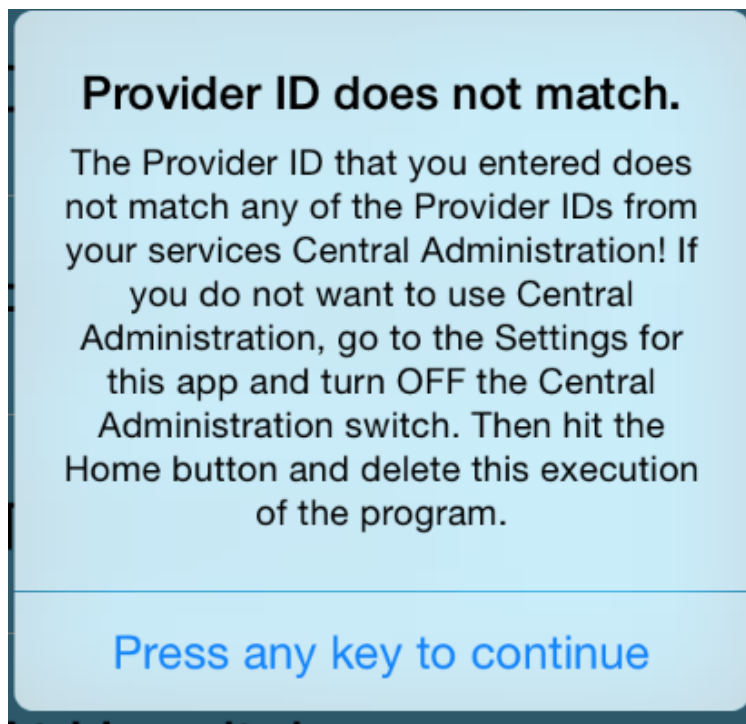


## Provider IDs

Central Administration requires the JSON data to contain at least one key/value pair for a Provider ID. The value can be any Unicode 8 text (numbers, letters, punctuation, etc).

The program requires the user to enter a matching Provider ID at launch and any time data for a new patient is to be entered.

If the entered Provider ID does not match one allowed by Central Administration, it will be necessary to turn OFF the Central Administration Setting until the service's administrator updates the Provider IDs in the JSON data file. The following screen will be displayed:



## In App Purchase

To purchase the Central Administration upgrade, on the initial screen of the app touch the Upgrade button. This will take you to a screen that allows the in-app purchase to be bought by touching the Buy button. If you have previously purchase it, touch the Restore button.