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**L**egacy Interactive is pleased to present EMERGENCY ROOM CODE RED, part of the best-selling Emergency Room® series. For more information on our other Real Life Games™ such as VET EMERGENCY and 911 PARAMEDIC, please call our toll free number at 888-708-8715 or visit our websites at <http://www.legacyinteractive.com> and <http://www.ERSim.com>. Thanks, and enjoy the game!

## CUSTOMER SUPPORT

Questions? We're here to help. Call us at 410/568-3636.

Contact customer support 8AM – Midnight, Eastern Standard Time, Monday-Friday, and 8AM to 8PM on Saturday and Sunday, except holidays.

You can also reach us via e-mail at [help@legacyinteractive.com](mailto:help@legacyinteractive.com) or check out technical support on the web, <http://www.legacyinteractive.com>.

## MINIMUM SYSTEM REQUIREMENTS

Windows 95, 98, or 2000

- 266 MHz Pentium \*32 MB RAM
- High color/16 bit capable 2 MB video card
- 16x CD-ROM drive \*Sound card

Power MAC OS 8.1 or higher

- 266 MHz \*32 MB RAM
- Thousands of colors/16 bit capable video
- 16x CD-ROM drive \* Sound card

# INSTALLATION

EMERGENCY ROOM CODE RED must be installed on your computer before you can play.

## For Windows users:

1. Insert the EMERGENCY ROOM CODE RED disc into your CD-ROM drive.
2. Double click on My Computer.
3. Double click on the EMERGENCY ROOM CODE RED icon that appears.
4. Double click on “*Install ERCodeRed.exe.*”
5. Follow the onscreen instructions. You may choose *Minimal, Typical, or Full installations.*
6. After the game is installed, choose “*Install QuickTime 4.0*” if you do not already have it on your computer.
7. To play EMERGENCY ROOM CODE RED, click on the icon on your desktop.

## For Power MAC users:

1. Insert the EMERGENCY ROOM CODE RED disc into your CD-ROM drive.
2. Double click the EMERGENCY ROOM CODE RED CD-ROM icon that appears on the desktop.
3. Double click on the “*Install ERcodered.exe*” icon that appears.
4. On the EMERGENCY ROOM CODE RED install screen, choose *Minimal, Typical or Full Install.*
5. Pick a folder where you would like to save the game.
6. Click “*Save*” and the installation will begin.
7. When installation is finished, restart your computer before playing the game.

## REGISTRATION

Please register your copy of the game.

Registering EMERGENCY ROOM CODE RED will give you access to technical support, future updates, cheats, and Legacy's online medical simulation game, ERSim.com, <http://www.Ersim.com>. You may either mail in the enclosed registration card, or go to <http://www.legacyinteractive.com/register/> to register online.

## DISCLAIMER

Although the developers of EMERGENCY ROOM CODE RED have made every effort to ensure its realism, this game is intended for entertainment purposes only. EMERGENCY ROOM CODE RED may help you become more knowledgeable about the human body, but it is not intended as a guide for self-diagnosis or treatment. Medicine is a complex and inexact science. Diseases, treatments, and responses vary for each individual. If you suspect that you may have a medical problem, seek immediate medical care and the advice of a physician. The publisher of EMERGENCY ROOM CODE RED disclaims responsibility for any adverse effects resulting directly or indirectly from any and all actual use of the medical procedures described/employed in the context of this game.

## GETTING STARTED

*You're a doctor in an urban hospital that just let a woman die after waiting 12 hours to be treated. The city erupts in protest over the tragic death. Your job is to treat patients while the city is in chaos. Every decision is critical.*



- Be sure to review the tutorial for the basics on how to play the game. Every time you sign in as a new player, the tutorial will be presented.

- Select a patient in the Nurse’s Station from the Whiteboard, and review their information on the Clipboard. Take time, if you can, to browse the Research Computer for case-relevant information. You can also research the case later on your PDA (Personal Digital Assistant). The Treatment Protocols are particularly helpful!
- Once you select your patient by pressing “select” on the Clipboard, you are taken directly to your patient.
- Your PDA helps you both get around the game and obtain information about the case. It has two menus: Action and Info.
- Be sure to ask questions. The Q&A button on the PDA helps you obtain more information about your case from the patient, their family, or hospital staff.
- Pay attention to vital signs by clicking on the vital sign monitor behind the patient’s head.
- Watch the small EKG icon on the bottom of your screen. The health status score that appears there reflects your performance. Your patient’s score goes up when you do the correct procedures and goes down when you do the incorrect ones.
- Treat the patient as quickly as you can, because you will be awarded efficiency points if the treatment is both accurate and fast. A completion bell will ring when you have completed all of the necessary procedures.
- Once you’ve completed a case, click “Sign-Out” on your PDA. Make sure that before you discharge the patient, you complete the necessary paperwork. You should check off the correct diagnosis as well as any hospital orders or discharge orders.
- Finally, when you’re confident that you’ve done everything you can for the patient. Simply click the signature line and your name will appear. Your patient’s total health score is displayed.

## SIGN IN

*Sign in and choose your level of difficulty. Choose carefully, as you will not be able to alter the difficulty setting once the game is underway.*

**Easy:** This mode of play employs a “next-step” tutorial. The tool required for the next necessary procedure will be highlighted with a yellow glow, effectively guiding you through each case. This game level is recommended for beginners only.

**Normal:** The “next-step” tutorial is disabled in normal mode. However, monitor readouts (EKG, temperature, heart rate, etc.) and the results of all the treatment procedures are interpreted for you, making this level still playable for most people, even without medical training. You can ask for two hints per case without losing points.

**Expert:** In this level, monitor readouts and test results are presented as raw data, with no interpretation. If you know the significance of BP 200/104 or RR 28, then this is the level for you. If you ask for hints at this level, you will lose points.

## GAME OPTIONS

*Select what you want to do from the option screen.*

- **New Game:** Create a new sign-in name so you can begin playing.
- **Load Game:** Load a game that you saved during previous play sessions.
- **Save Game:** Save the game you are currently playing.
- **Website:** Links you to Legacy Interactive’s website to find out about game cheats, updates, special offers, and more.
- **Quit:** Exits the program.



You can access options anytime in the game by pressing the “ESC” key on your keyboard. On this screen you are also able to control your sound volume and turn off or on the voice overs.

## PDA

*The PDA is your interface for navigating the hospital, controlling tool functions, accessing options, and checking your game status. It appears on the left side of the screen.*



The PDA has two parts: the **Action** menu and the **Info** menu. The Action menu helps you make your way around the hospital and your case. The Info menu gives you all of the information that you need to do well on the case, including hints. You can also pause the game and access the **Options** screen by pressing the button below the Action and Info menus.

### Action Menu

- **Location** – This button displays a map of the hospital and the 5 locations in the hospital: Nurse’s Station, Treatment Room 1, Treatment Room 2, Treatment Room 3, and Lounge. You move to that location when the room icon is clicked.
- **Q&A** – This button displays questions for you to ask the patient or staff. Click on the text and you will hear the answer or a response will be displayed on your PDA. Some of the questions are necessary and will add points to your patient’s health status score. Some of the questions are unnecessary and will deduct points.
- **Tools** – This screen displays a list of the tool trays available in the game. When you place the mouse over the text on the Tools screen, you will see a display of the tools in the corresponding tray on the game screen. When you click on the text, the tray will be displayed at the bottom of the screen (if you are actively treating a patient), and the tools will be available to use.

- **Sign Out** – This button takes you to the Clipboard, where you can fill out all of the paperwork and complete your case.

## Info Menu

- **Patient Info** - This mode displays the patient’s basic information including: the patient’s name, age, sex, allergies, and a brief text summary of the case. As you treat your patient, you will see a listing of all of the procedures you have done so far.

- **Hints** - Text is displayed in the PDA that tells you the next step you should try to complete the case. After two “free” hints, points are subtracted from your score.

- **Research** – This button allows you to research the case that you are currently working on in order to determine the correct procedures.

- **Player Status** – This displays your character name and other player information.

## **PATIENT STATUS**

Every time you do a correct procedure, the patient’s health status score increases. It decreases when you do something unnecessary or incorrect. The health status score is located in the bottom left of the treatment room. It appears next to a small, animated EKG. If your patient is healthy, the EKG appears fast and regular. If your patient is failing, it will be reflected in the EKG, which blinks “ALERT” and eventually flat lines. Use this indicator as a visual cue of your patient’s status.



Another effective way to gauge your performance is to listen to your patient. Although your patient can’t specifically always tell you what’s wrong, you will gain a sense of their status and whether or

not your treatment is helping or hurting. In addition, each patient, family member, or staff attendant will provide you with feedback at the end of your treatment, letting you know his or her assessment of your performance.

## NURSE'S STATION

*The Nurse's Station is the first area you come to, and it is where cases are assigned. Click on the Whiteboard to see what types of patients are in need of treatment. The hospital staff will impart useful information about their ailments.*



There are two selectable items at the Nurse's Station:

- **Whiteboard:** Here you will find the summary of patients who have been admitted into the hospital. These files will tell you details about the patient's background and history.
- **Research Computer:** This computer contains all the information necessary to successfully diagnose and treat your patients. To access the Research Computer, click on the computer on the nurses's desk. Search by keywords for relevant information. (The treatment protocols will be particularly helpful.) You can also read general information about the ER, or look up a word in the medical glossary.

You can sometimes select more than one patient at a time to work on. Return to the nurse's station while you are currently working on a patient and select a new patient. You then move between the two treatment rooms and treat both patients in turn. To navigate quickly between the rooms, simply click on the patient's EKG icon at the bottom of the treatment room screen.

Working on multiple patients simultaneously is more complicated than working on a single patient. Be sure to allocate time to each of the patients according to the severity of their medical problems. The more serious the patient, the faster they need to be treated before they either die or are treated by another doctor. Patients with less severe ailments can wait for a longer period of time before they walk out, die, or are treated by another doctor.

## EXAMINATION AND TREATMENT

*The treatment rooms are where you examine and treat the majority of your patients. They are stocked with everything you need to successfully complete a case (minus the expertise, which you provide)!*

### Examination Trays

These three trays are accessible from your PDA, when you select the Tools button. The examination trays contain all the medical instruments necessary for examining and diagnosing the patient. The examination trays include: the physical exam tray, the lab testing tray and imaging tools.

#### **Physical Exam Tray**

- Penlight
- Stethoscope
- Glove
- Magnifying Glass
- Tape Measure
- Tongue Depressor

#### **Lab Testing Tray**

- Blood Gas Syringe
- Blood Test Lab
- Urine Test
- Swab Culture
- Vaginal Speculum
- Spinal Catheter

#### **Imaging**

- X-ray
- CT Scan
- Ultrasound

The imaging tools will prove invaluable to you in your efforts to diagnose problems that might not be obvious upon first glance.

As your mouse cursor passes over each tool, the name of the tool will be displayed. To pick up a tool, click on it with the left mouse button. To use a tool, drag it over to the correct body part and click the left mouse button again. In most cases, you will see a close-up

graphic and the results of your action will appear on your PDA. If the action was necessary, your patient's health status score will increase.



## Treatment Trays

You can identify and select these tools in the same manner in which you identified and selected the diagnostic tools. These tools will aid you in treating the patient after you've completed a diagnosis and taken imaging tests. The treatment trays include: initial treatment, minor trauma care, IV therapy and medications, and critical care.

### **Initial Treatment**

- Oxygen Mask
- Cervical Collar
- Sponge
- Compress

### **Minor Trauma Care**

- Irrigation Syringe
- Forceps
- Suture & Needle
- Bandage
- Splint

### **IV Therapy & Medications**

- IV Fluids
- IV Meds
- Blood Transfusion
- Oral Medication
- Topical Medication
- Medicine Syringe
- Nasal Spray
- Drops

### **Critical Care**

- NG Tube
- Endotracheal Tube
- Chest Tub
- Defibrillator
- Rib Spreader
- Periodcardiocentesis syringe

## Vital Sign Monitor

The vital sign monitor is always present and accessible. It appears to the right, above the patient's gurney. Once you click on the monitor, you can choose any one of several buttons on the top right, each of which corresponds to a different vital sign. Keeping an eye on relevant readings can help you gauge your performance. It's also an

easy way to gain some extra points. The items accessible on the vital sign monitor include: EKG Monitor with pulse rate, EKG – 12 lead, Respiratory Rate, Pulse Ox Meter, Blood Pressure, Temperature, and End Tidal CO2.

## **DISCHARGE**

*Learn from your superiors. They'll tell you what you need to know to be successful next time.*



### **Performance Review**

At the end of every case, you are offered the option to have your performance reviewed by Dr. Journey, the Chief of Staff at Legacy County Hospital. He will cover all aspects of your performance, including diagnosis, treatment, timeliness, and efficiency (i.e., whether or not you wasted hospital supplies). It's a good idea to have your performance reviewed so that you can learn from your mistakes.

### **Score**

Your patient's health status score reflects how well you did as a doctor. It is visible during treatment, on the EKG icon at the bottom of the screen. The total possible points for each case are 500. Up to 300 points (treatment points) will be assigned according to the effectiveness of the procedures you performed, as well as the order in which you performed them. Unnecessary procedures will cost you points. You will also receive points for correctly completing the paperwork for each patient during sign-out.

Up to 200 points may be awarded when you complete the case, depending on how quickly you carried out the procedures. Less time means more points. However, in order to receive any time-bonus points, you **MUST** attain a minimum of 100 treatment points. You receive your total points for a case at the time you sign off. Time-

bonus points and points for completing paperwork are not calculated until then. The amount of points you earn for each case will determine whether or not you have succeeded or failed in your attempts to provide quality medical care. Any total score over 300 points is considered a “successful” case.

## Promotion

You begin work at the hospital as a lowly first year ER Resident. If you perform poorly on several cases or kill a patient, your superiors will give you a stern warning. If you kill more than one person, you’ll be shown your walking papers.

However, if you successfully complete cases, Dr. Journey will note your improvement, and the hospital will trust you with increasingly difficult cases. After approximately 8 successfully completed cases, you will receive your first promotion. You move up through the hospital hierarchy as follows: First Year ER Resident, Second Year ER Resident, Third Year ER Resident. And, if you are a worthy candidate, you’ll be offered a permanent job at Legacy Memorial Hospital at the end of the game.

## LOUNGE

*The Lounge is where you can take time to put up your feet for a while. Test your knowledge!*

Play the medical trivia game here. It includes all kinds of interesting facts about medicine.

## WINNING THE GAME

*There are a total of 36 cases to examine, diagnose and treat. You must complete all the cases in order to win the game.*

## Steps to Success

- Determine the diagnosis using patient information, vital sign data, diagnostic tools, and images.
- Ask questions to learn how to best treat your cases.
- Carry out the correct treatment procedures.
- Complete the necessary paperwork by clicking Sign-Out on your PDA. Fill out the diagnosis portion of the Clipboard, and then issue the proper discharge or hospital orders.
- Sign the Clipboard. Listen to your review. Then select a new case from the Whiteboard in the Nurse's Station.

For information about the treatment protocols for a specific case, search the Research Computer or look at your PDA while treating your patient.

## Hints

If you click the Hints button on the Info menu of your PDA, the next correct treatment step will be displayed. After the first two hints, additional hints will cost you points. In addition, in “easy” mode, the next correct tool use is highlighted.

## Timing

Most medical cases have time-triggered events. These are defined procedures that must occur within a specified period of time or the patient's status will deteriorate. For example, if a patient comes into the ER having a difficult time breathing, you may need to treat him with an oxygen mask, chest tube, or even an Endotracheal Tube within the first five minutes! With the most critical cases, you have only a few minutes to do the correct procedure or the patient's vital signs will crash. The bottom line: time is precious!

## WARRANTY AND SOFTWARE LICENSE AGREEMENT

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