



全球职业教育解决方案服务商  
世界技能组织全球行业合作伙伴



# Introduction to the Health and Social Care Virtual Interactive Simulation System

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# Part 1

# Overview of the Health and Social Care Virtual Interactive Simulation System

# Overview of the Virtual Interactive Simulation System

**Health and Social Care Virtual Interactive Simulation System** is a teaching-assistance tool based on virtual simulation technology. It is designed to recreate four realistic care settings—home care, day care center, long-term care facility, and hospital—to provide immersive learning experiences for nursing students and health care practitioners. By integrating interactive operations, scenario-based simulations, and real-time feedback, the system removes spatial limitations of traditional teaching. It allows users to repeatedly practice nursing procedures, decision-making, and emergency handling across different settings, ensuring seamless integration of theory and practice. Ultimately, it enhances professional competence and care quality.

Home



Day Care



Long-Term  
Care



Hospital





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# Part 2

# Functions Introduction

## Interactive Operation Practice

Provides virtual nursing operation exercises. Users can drag, click, and interact to simulate real procedures.  
Reinforces memory of standardized workflows.  
Allows zero-risk practice for high-risk operations.

## Interdisciplinary Knowledge Integration

Integrates medicine, nursing, and psychology. Trains users in holistic health and social care skills. Includes a case library for scenario-based learning using real cases.

## Multi-Scene Simulation Training

Covers four realistic environments: home, community day care, institutional long-term care, and hospital. Enables targeted skill training in diverse contexts.



## Standardized Skill Training and Assessment

Guided operations: Step-by-step instructions with real-time error prompts. Assessment: Automatically records responses, generates evaluation reports, and allows review of answers.

## Home Care Scene



01

**Home Care Simulation:** Recreates domestic environments (bedroom, bathroom) to practice assisting patients with limited mobility—getting up, transferring, and bathing.

02

**Chronic Disease Management:** Simulates daily monitoring and medication guidance for patients with diabetes, hypertension, etc., to develop health education skills.

03

**Risk Response:** Trains emergency handling for incidents like falls or choking through virtual simulations.

## Day Care Scene



01

**Activity Organization Simulation:** Designs and conducts social or rehabilitation activities for the elderly, improving communication and personalized care planning.

02

**Nutrition Management:** Simulates meal preparation and dietary adjustment based on patients' health conditions.

03

**Psychological Support Practice:** Through virtual character interaction, trains emotional counseling techniques for elderly individuals experiencing anxiety or loneliness.

## Long-Term Care Scene



01

**Comprehensive Care for Multiple Conditions:** Simulates daily care for bedridden or dementia patients (e.g., pressure ulcer prevention, cognitive training).

02

**Team Collaboration:** Encourages coordination with virtual doctors and therapists to complete care plans and strengthen interdisciplinary teamwork.

03

**Infection Control Training:** Practices standardized procedures (e.g., hand hygiene, equipment sterilization) to minimize nosocomial infection risk.

## Hospital Scene



01

**Clinical Nursing Operations:** Virtual practice of standardized procedures such as intravenous infusion and wound dressing, with real-time correction of operational details.

02

**Intensive Care Simulation:** Simulation-based operation and data interpretation of high-risk medical equipment such as ECG monitors and ventilators.

03

**Doctor-Patient Communication Training:** AI-simulated patient interactions for scenarios like preoperative briefing and condition explanation, enhancing empathy and communication skills.



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# Part 3

# User Guide

1. Open the Virtual Interactive Simulation System, enter your account and password, and log in.



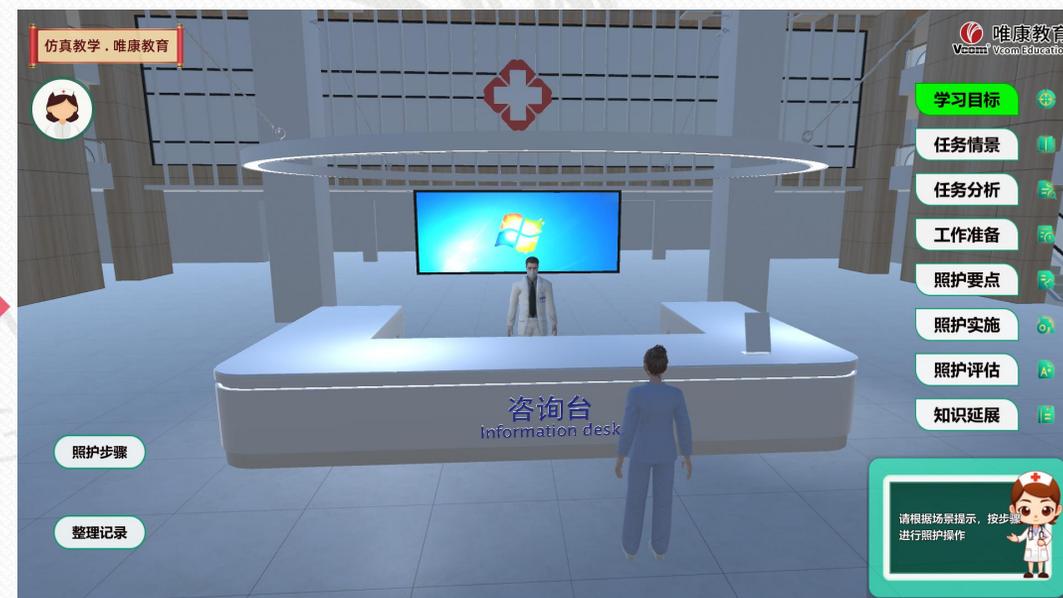
2. Click "Start Project".



3. Choose the desired learning module.



4. Enter the Body Temperature Measurement module to begin learning.



## 4.1 Body Temperature Measurement Module

Click to Exit Simulation Software

Click to Return to Module Selection



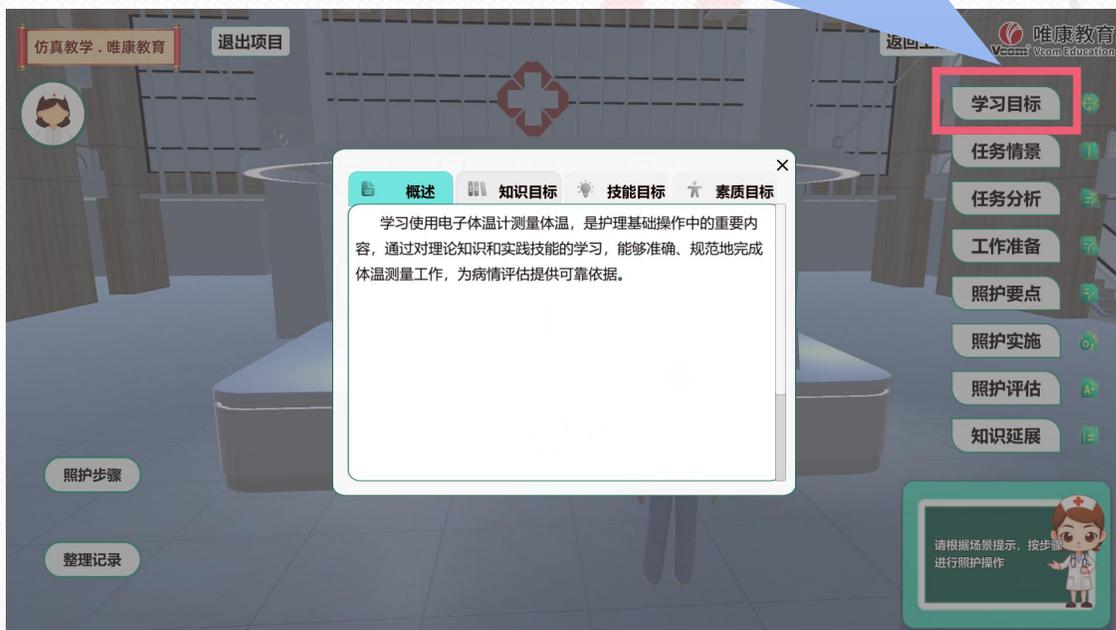
Table of Contents

Shows the specific procedures of care operations, helping users understand the sequence of steps.

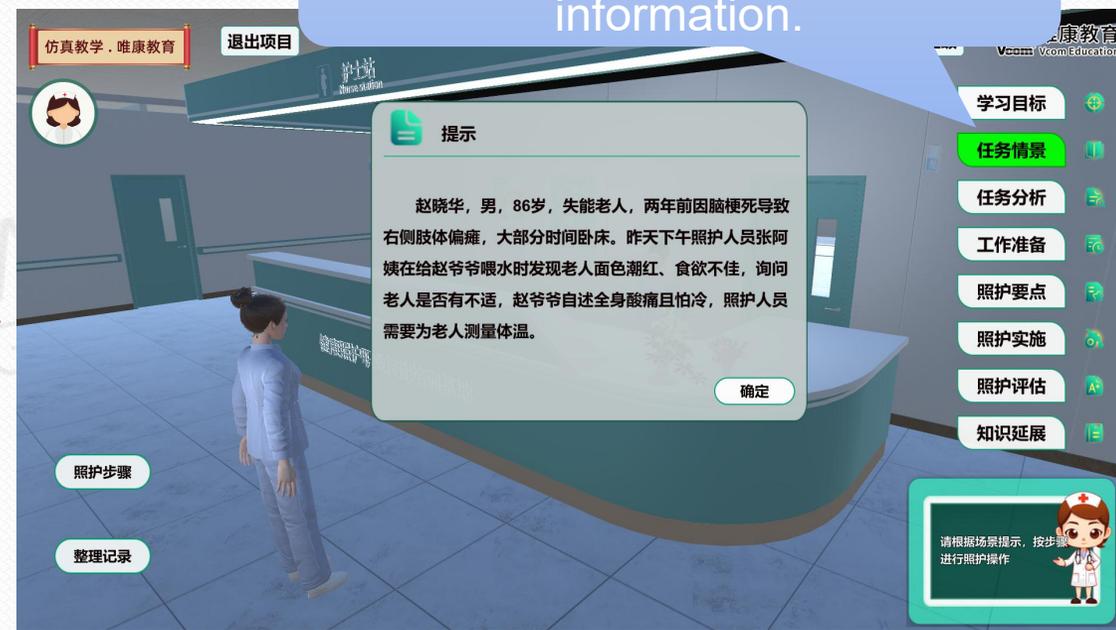
Organize and record care-related information.

## 4.1 Body Temperature Measurement Module

Learning Objectives: Define the knowledge and skills expected from the module.

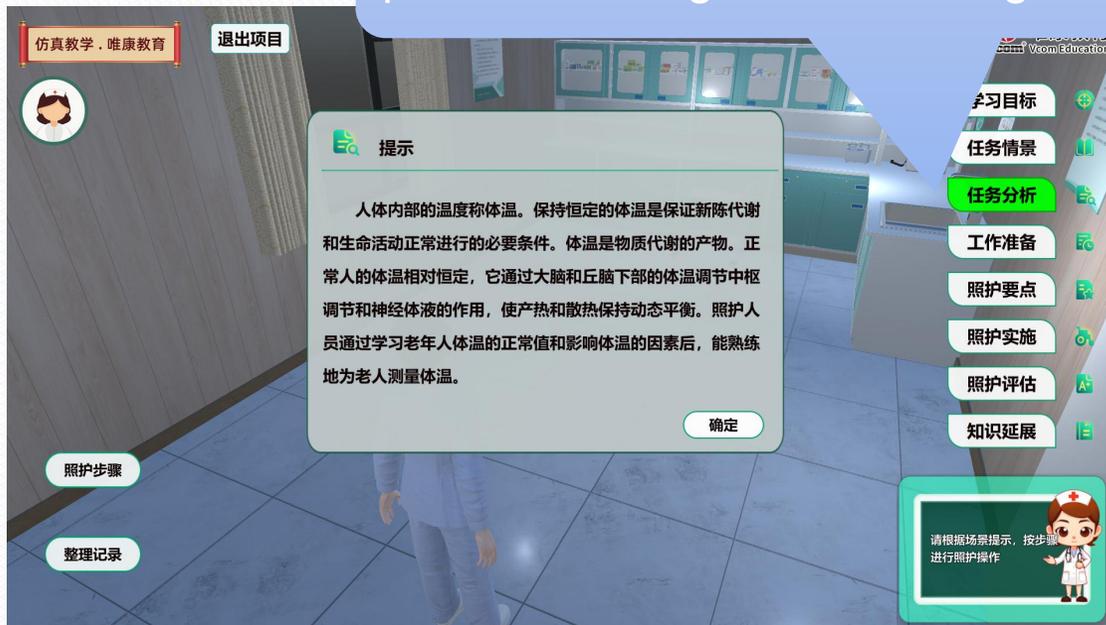


Task Scenario: Presents the context, background, and patient information.

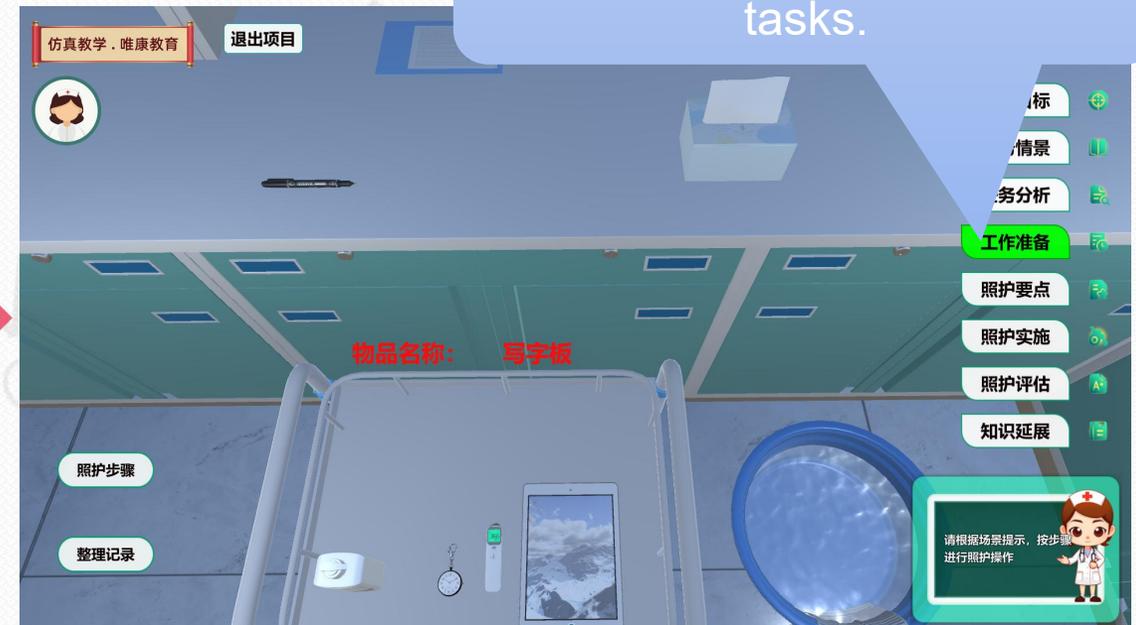


## 4.1 Body Temperature Measurement Module

Task Analysis: Breaks down key points, challenges, and strategies.

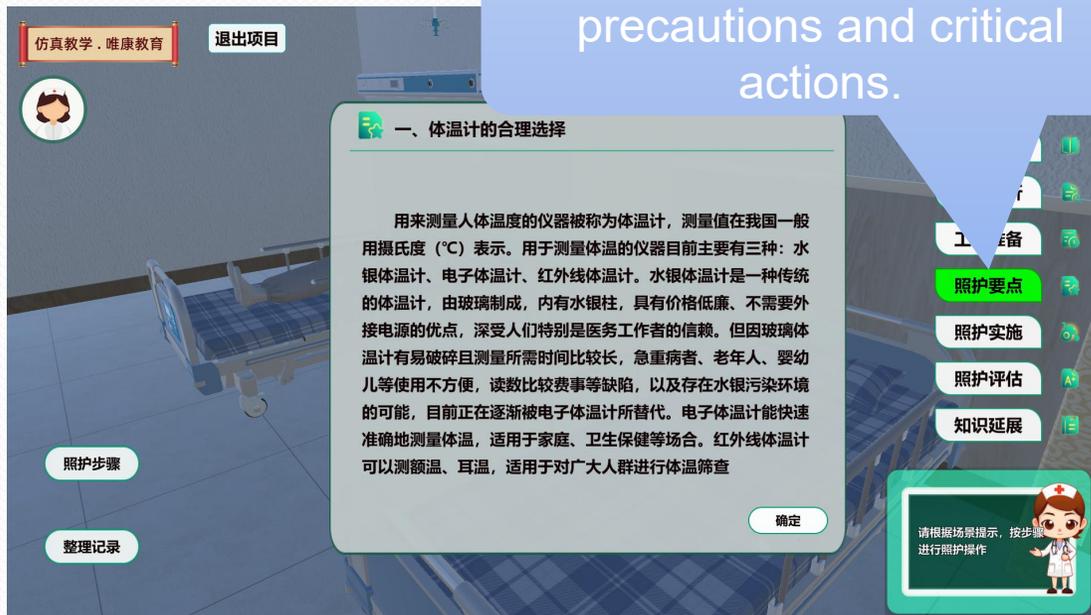


Preparation: Lists materials and items needed before care tasks.



## 4.1 Body Temperature Measurement Module

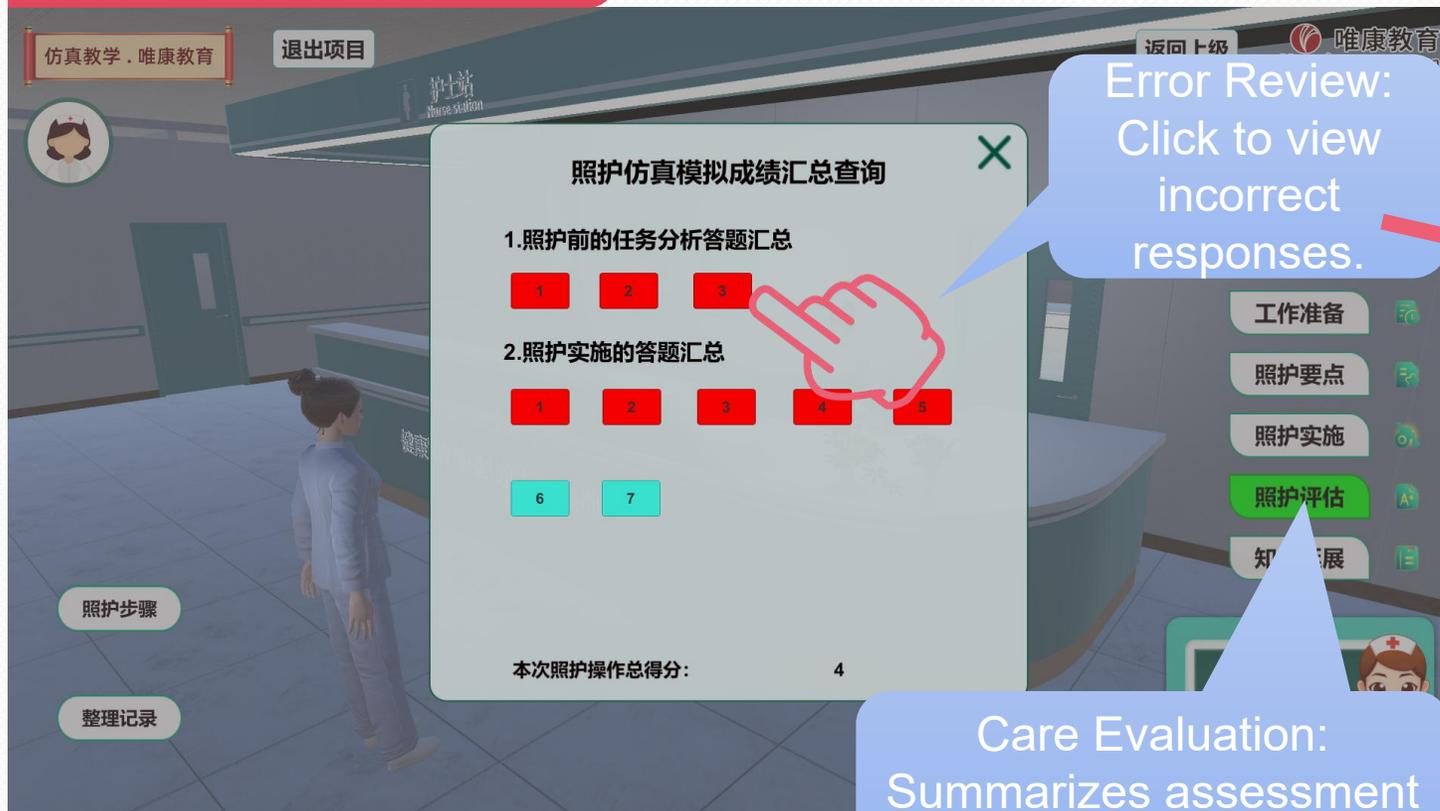
Key Points: Highlights precautions and critical actions.



Care Implementation: Describes each step of the nursing procedure.



## 4.1 Body Temperature Measurement Module



仿真教学 · 唯康教育

退出项目

返回上级

唯康教育

### 照护仿真模拟成绩汇总查询

1. 照护前的任务分析答题汇总

2. 照护实施的答题汇总

工作准备

照护要点

照护实施

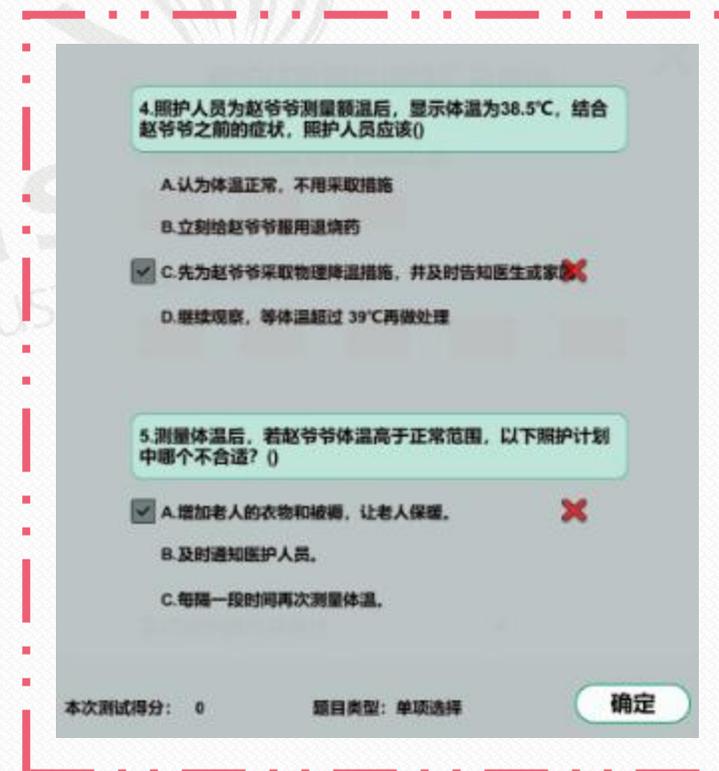
照护评估

知识拓展

本次照护操作总得分: 4

Error Review:  
Click to view  
incorrect  
responses.

Care Evaluation:  
Summarizes assessment  
results from the exercise.



4. 照护人员为赵爷爷测量额温后, 显示体温为38.5°C, 结合赵爷爷之前的症状, 照护人员应该()

A. 认为体温正常, 不用采取措施

B. 立刻给赵爷爷服用退烧药

C. 先为赵爷爷采取物理降温措施, 并及时告知医生或家属

D. 继续观察, 等体温超过 39°C 再做处理

5. 测量体温后, 若赵爷爷体温高于正常范围, 以下照护计划中哪个不合适? ()

A. 增加老人的衣物和被褥, 让老人保暖.

B. 及时通知医护人员.

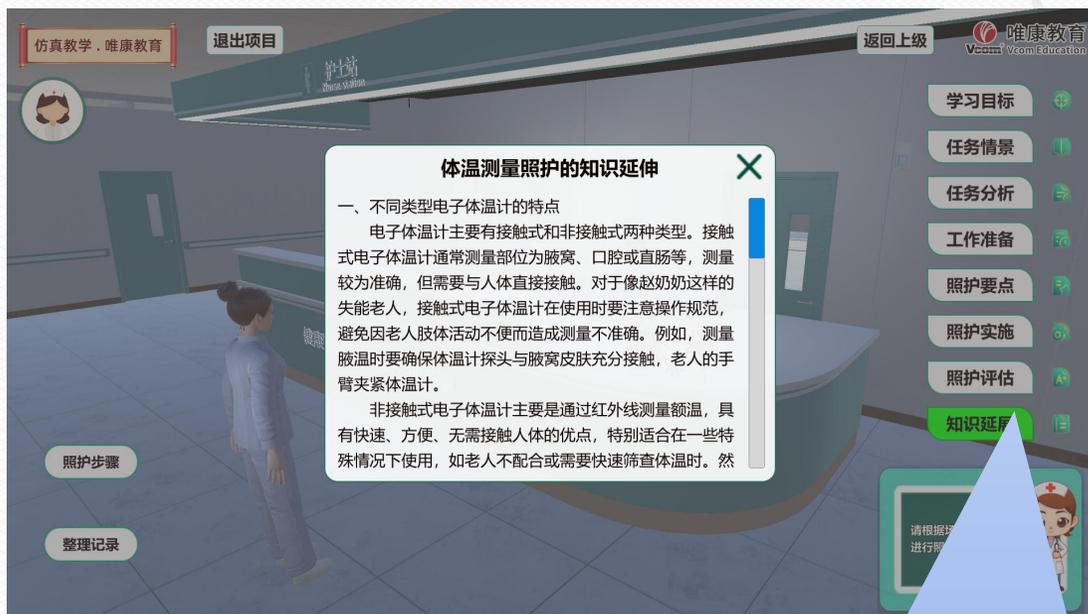
C. 每隔一段时间再次测量体温.

本次测试得分: 0

题目类型: 单项选择题

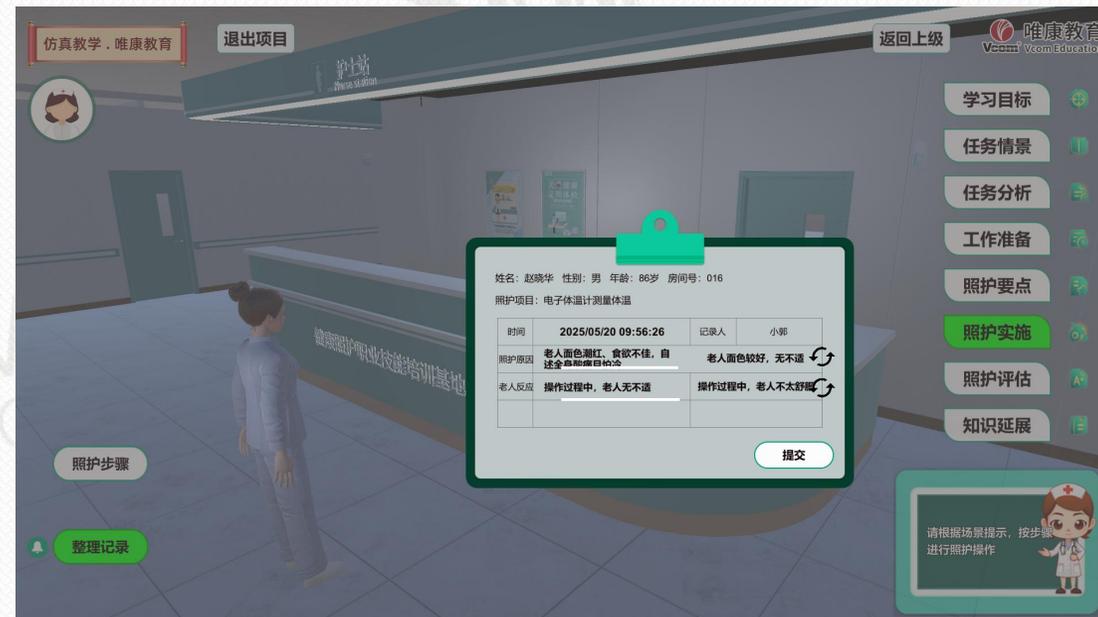
确定

## 4.1 Body Temperature Measurement Module



Extended Knowledge:  
Provides additional related  
knowledge to broaden  
understanding.

5. Complete the Care Record Sheet, click Submit, and finish the learning session.





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# THE END! THANKS!



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