

Chapter 1

An Introduction to EHRs

Working Definition:

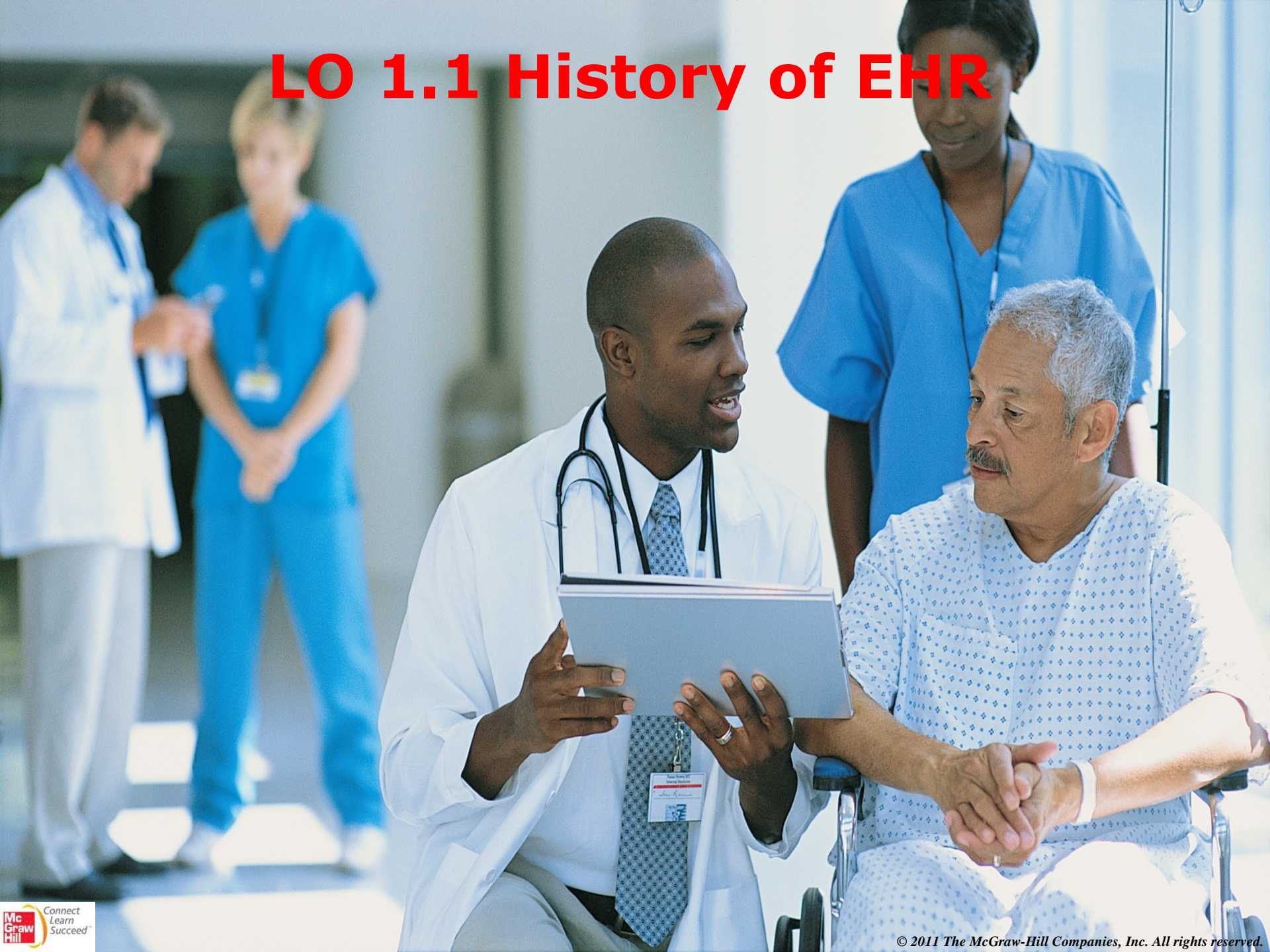
Electronic Health Records (EHR) is the most commonly accepted term for software with a full range of functionalities to store, access, and use patient medical information.

Chapter 1 Content:



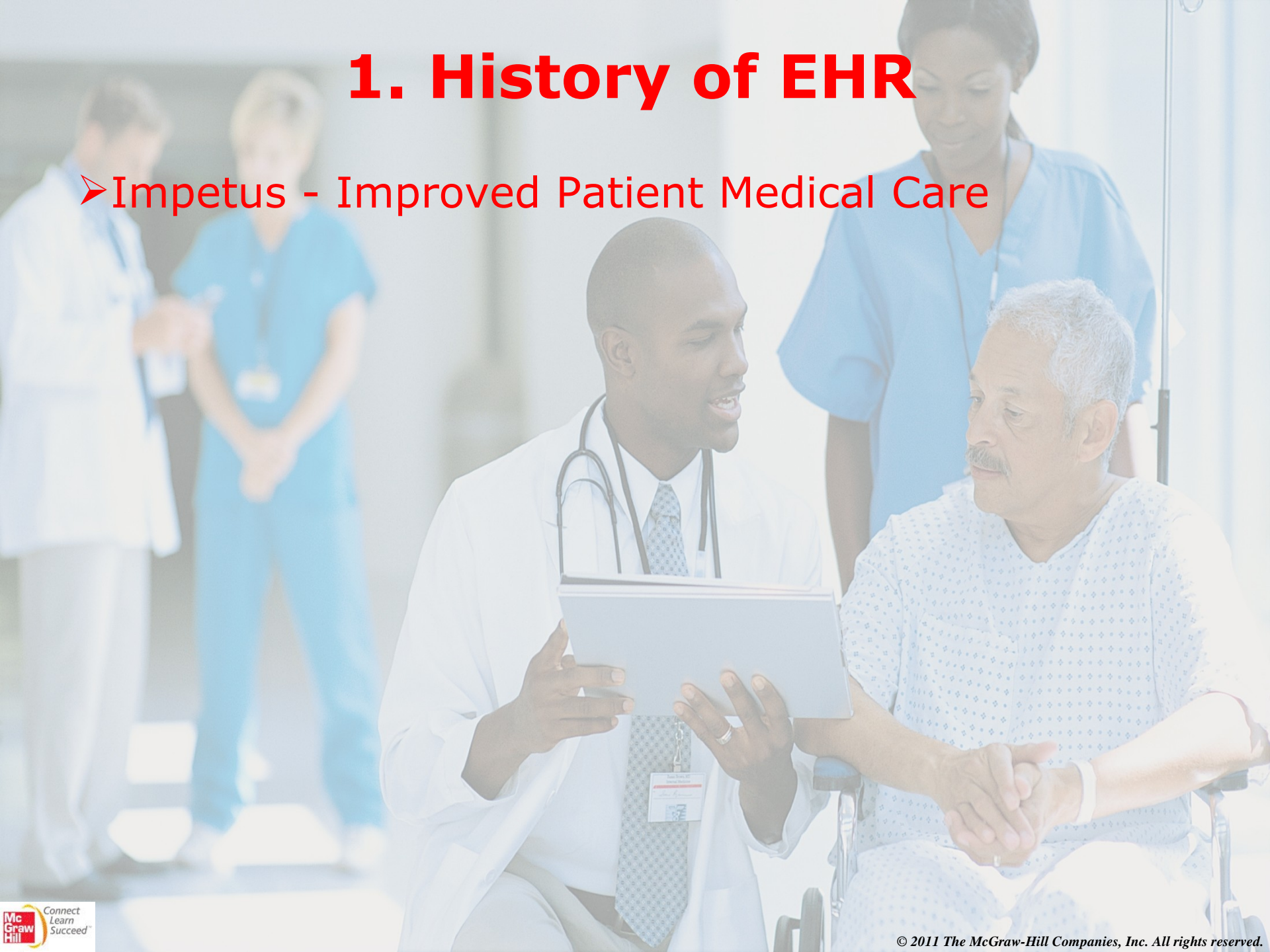
- ❑ LO 1.1 The EHR History
- ❑ LO 1.2 Data Entry in the EHR
- ❑ LO 1.3 Acronym Alphabet Soup
- ❑ LO 1.4 Barriers to the EHR
- ❑ LO 1.5 Benefits of the EHR
- ❑ LO 1.6 EHR Adoption Incentives

LO 1.1 History of EHR



1. History of EHR

➤ Impetus - Improved Patient Medical Care



1. History of EHR

- Impetus - Improved Patient Medical Care
- 1960s – First EHR Programs and Electronic Databases

LO 1.2 Data Entry in an EHR

- Impetus - Improved Patient Medical Care
- 1960s – First EHR Programs and Electronic Databases
- Development of Computer Technology & Data Entry

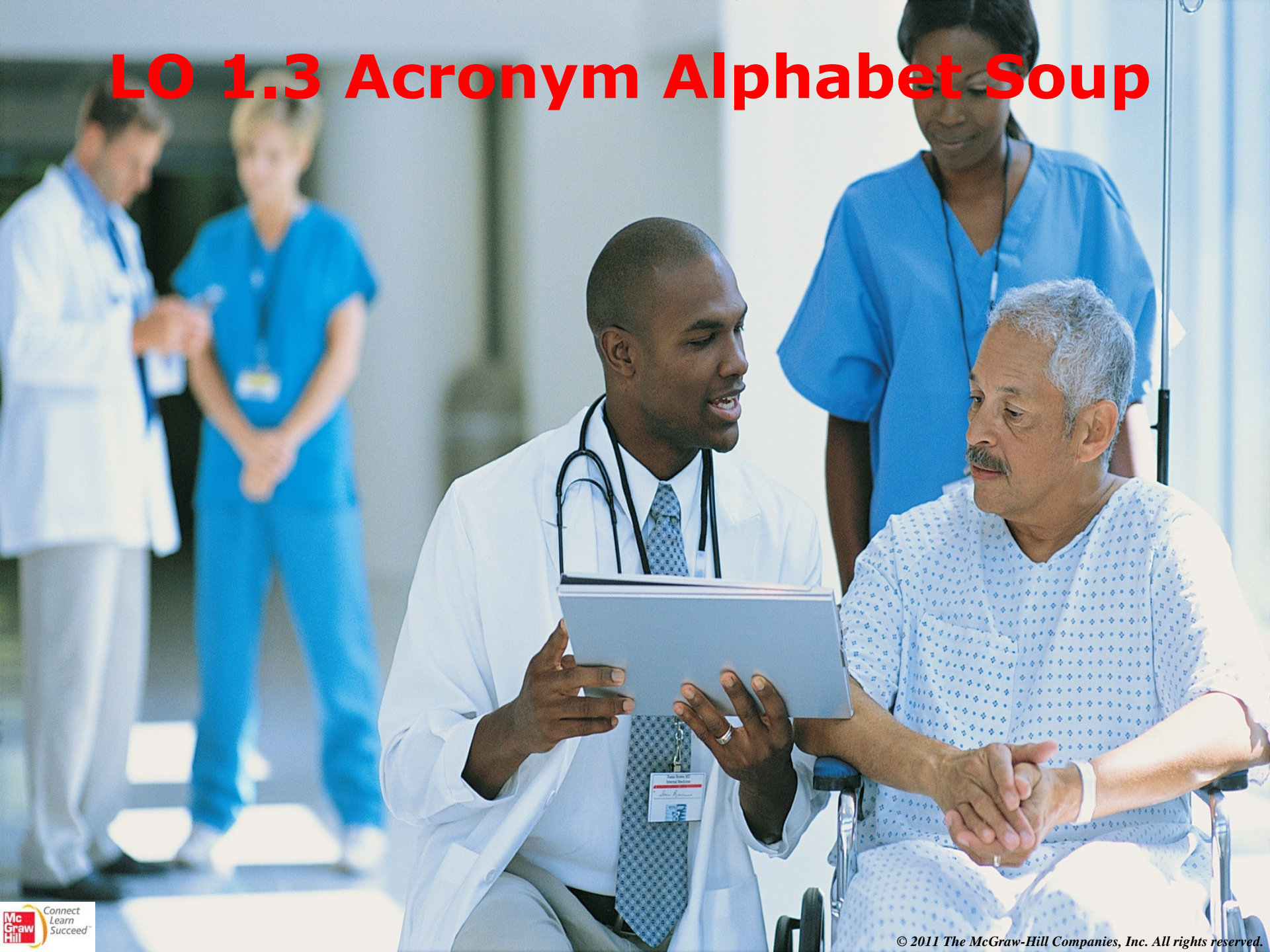
2. Data Entry in an EHR

- Impetus - Improved Patient Medical Care
- 1960s – First EHR Programs and Electronic Databases
- Development of Computer Technology & Data Entry
- 1990s – Reliability & Security of Networks

2. Data Entry in an EHR

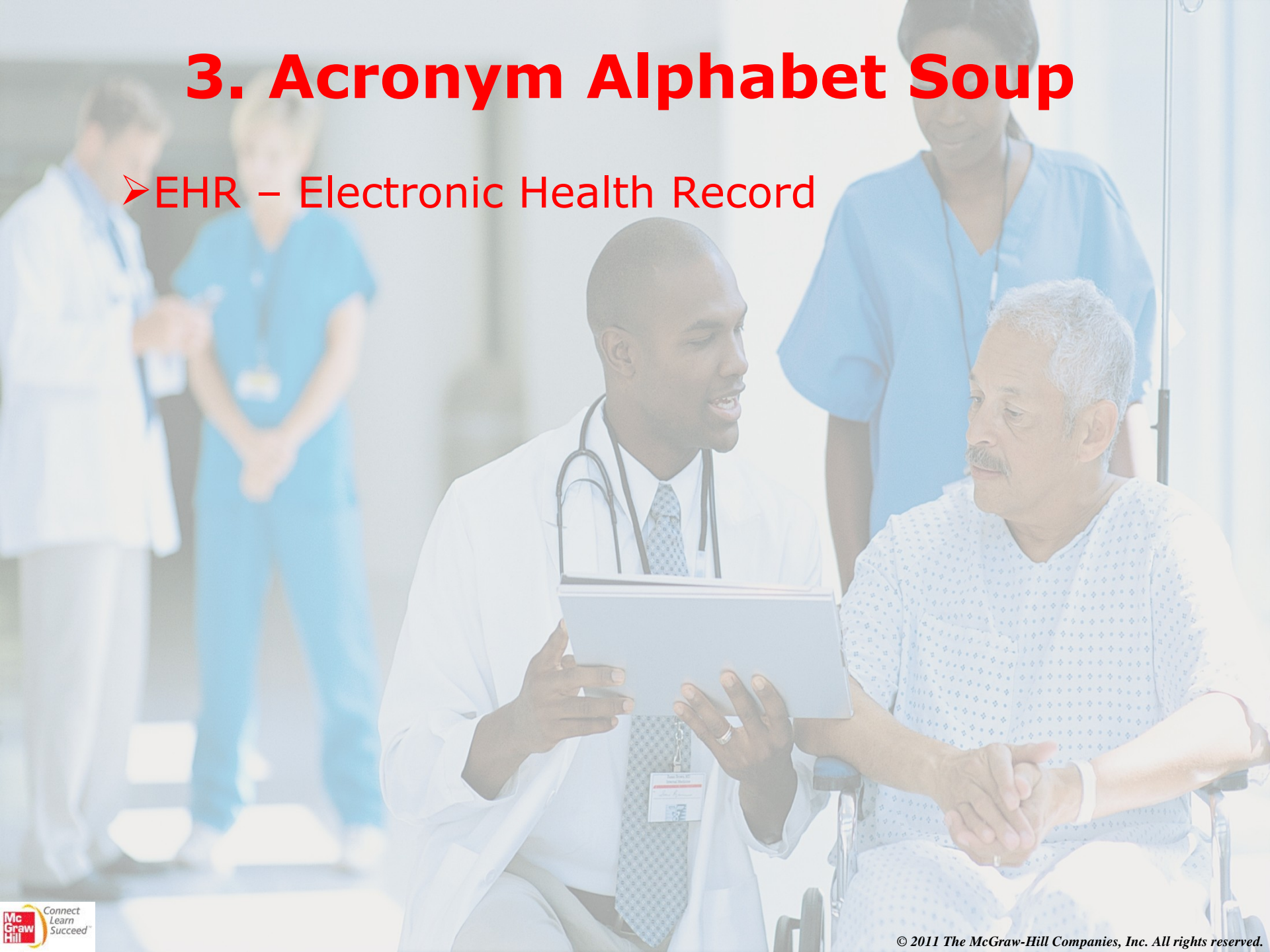
- Impetus - Improved Patient Medical Care
- 1960s – First EHR Programs and Electronic Databases
- Development of Computer Technology & Data Entry
- 1990s – Reliability & Security of Networks
- 2000s – Remote Access and ASP models

LO 1.3 Acronym Alphabet Soup



3. Acronym Alphabet Soup

➤ EHR – Electronic Health Record



3. Acronym Alphabet Soup

➤ EHR – Electronic Health Record

➤ EMR – Electronic Medical Record

3. Acronym Alphabet Soup

- EHR – Electronic Health Record
- EMR – Electronic Medical Record
- CPR – Computer-based Patient Record

3. Acronym Alphabet Soup

- EHR – Electronic Health Record
- EMR – Electronic Medical Record
- CPR – Computer-based Patient Record
- CCR – Continuity of Care Record

3. Acronym Alphabet Soup

- EHR – Electronic Health Record
- EMR – Electronic Medical Record
- CPR – Computer-based Patient Record
- CCR – Continuity of Care Record
- **PHR – Personal Health Record**

LO 1.4 Barriers to the EHR



4. Barriers to the EHR

➤ A Lack of Standards for EHR Systems

4. Barriers to the EHR

- A Lack of Standards for EHR Systems
- Unknown Cost and Return on Investment

4. Barriers to the EHR

- A Lack of Standards for EHR Systems
- Unknown Cost and Return on Investment
- Difficulty to Operate

4. Barriers to the EHR

- A Lack of Standards for EHR Systems
- Unknown Cost and Return on Investment
- Difficulty to Operate
- Significant Changes in Clinic Processes

4. Barriers to the EHR

- A Lack of Standards for EHR Systems
- Unknown Cost and Return on Investment
- Difficulty to Operate
- Significant Changes in Clinic Processes
- Lack of Trust and Safety

3. Barriers to the EHR

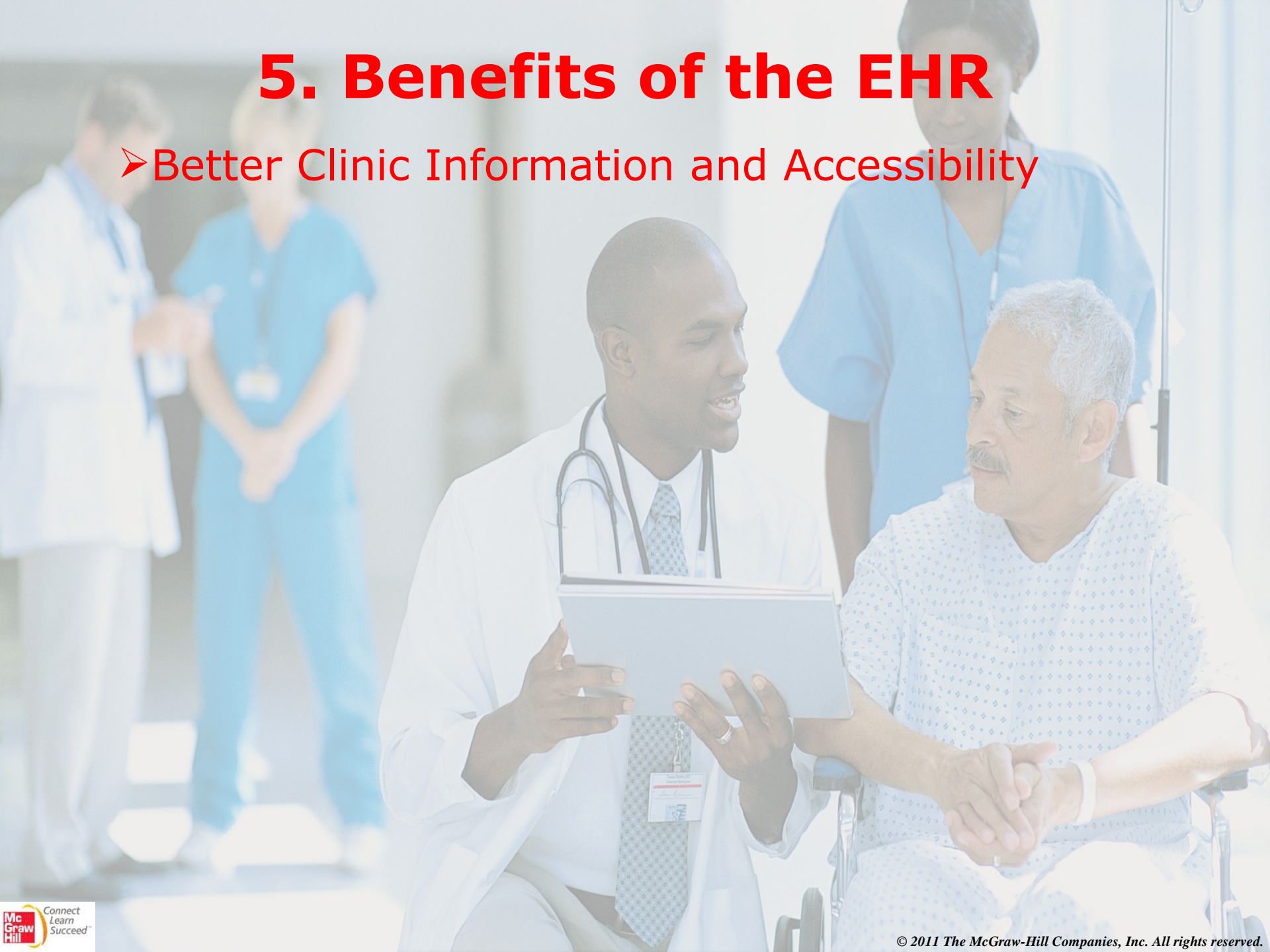
- A Lack of Standards for EHR Systems
- Unknown Cost and Return on Investment
- Difficulty to Operate
- Significant Changes in Clinic Processes
- Lack of Trust and Safety
- Growth of EHRs - Need for Support Staff

LO 1.5 Benefits of the EHR



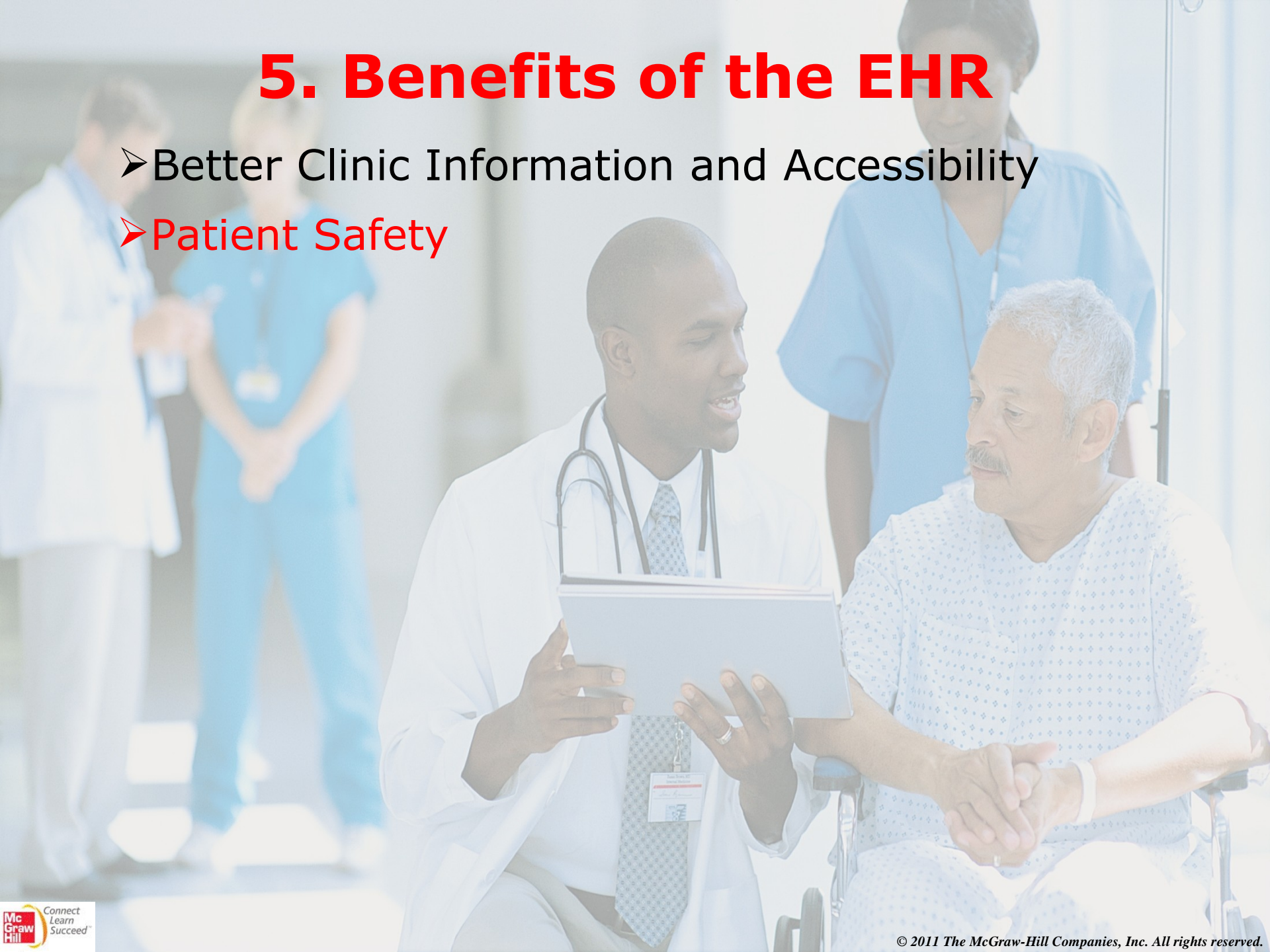
5. Benefits of the EHR

➤ Better Clinic Information and Accessibility



5. Benefits of the EHR

- Better Clinic Information and Accessibility
- Patient Safety



4. Benefits of the EHR

- Better Clinic Information and Accessibility
- Patient Safety
 - ❖ Handwriting issues
 - ❖ Health-care Screenings
 - ❖ Medical Decision-making Support

5. Benefits of the EHR

- Better Clinic Information and Accessibility
- Patient Safety
 - ❖ Handwriting issues
 - ❖ Health-care Screenings
 - ❖ Medical Decision-making Support
- Better Patient Care

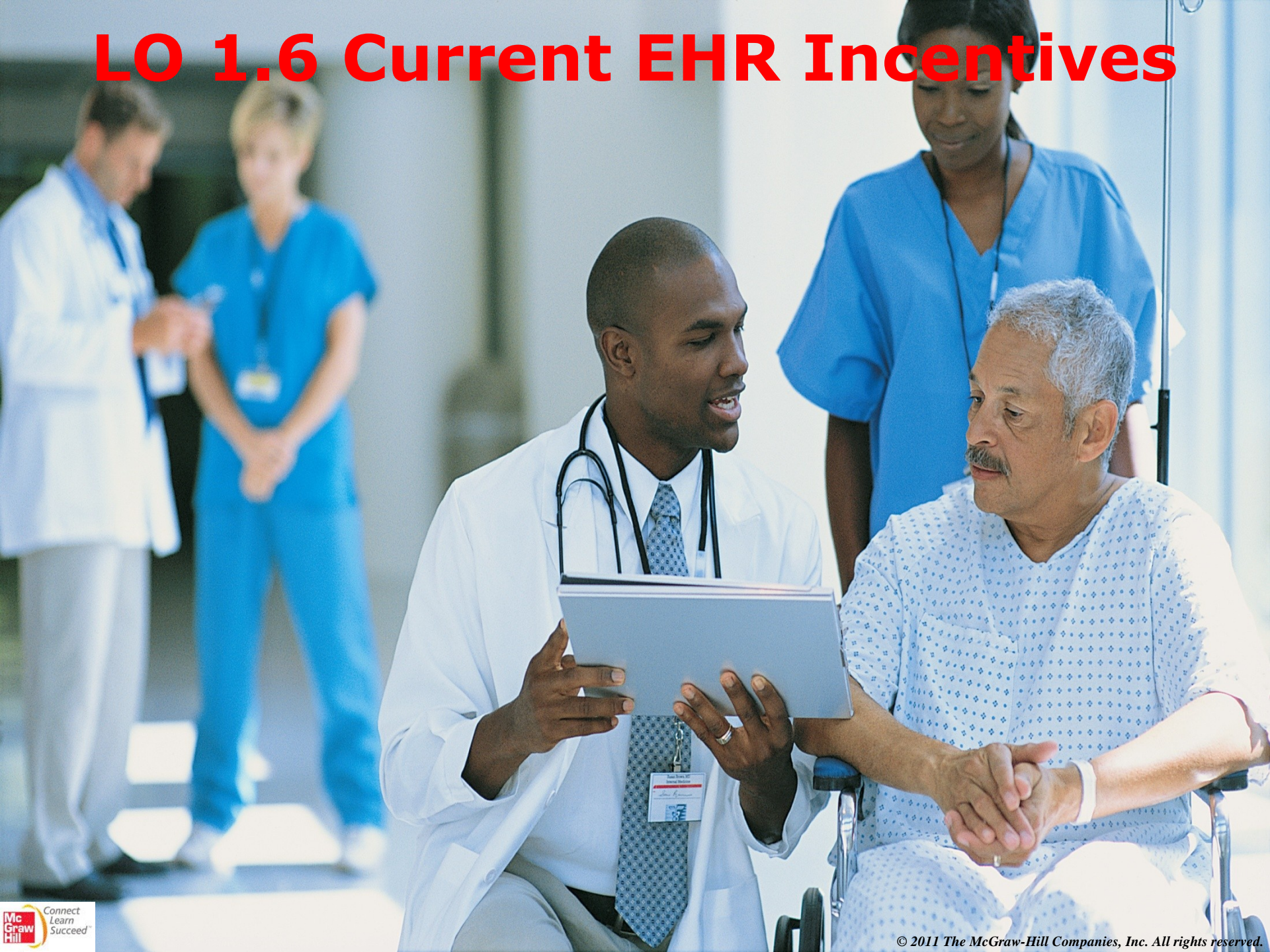
5. Benefits of the EHR

- Better Clinic Information and Accessibility
- Patient Safety
 - ❖ Handwriting issues
 - ❖ Health-care Screenings
 - ❖ Medical Decision-making Support
- Better Patient Care
- Efficiency and Savings

5. Benefits of the EHR

- Better Clinic Information and Accessibility
- Patient Safety
 - ❖ Handwriting issues
 - ❖ Health-care Screenings
 - ❖ Medical Decision-making Support
- Better Patient Care
- **Efficiency and Savings**
 - ❖ Elimination of Storage Costs
 - ❖ Rapid Communication
 - ❖ Decreased Transcription Costs
 - ❖ More Accurate Coding

LO 1.6 Current EHR Incentives



6. Current EHR Incentives

➤ American Recovery and Reinvestment Act of 2009 (ARRA)

- ❖ Provides more than \$19 billion to aid in the development of a health care infrastructure, including EHRs
- ❖ Physicians must use a 'Certified' EHR and demonstrate 'meaningful use'
- ❖ Reimbursement will be made through Medicare and Medicaid
- ❖ Reimbursements will begin in 2011