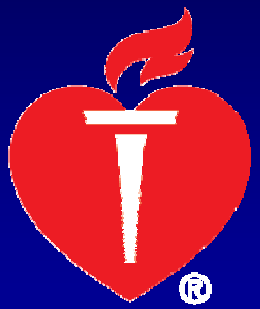

American Heart Association® | American Stroke Association®

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Medical Specialty Training in the United States

Jerry Potts, PhD
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Overview

- Specialty programs
- Who defines curriculum?
- Who creates the curriculum
- Examples
  - “locally-developed” training courses
  - “Standard” training courses (AHA courses)
- Summary

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Specialty Training Programs

American Medical Association (AMA) recognizes 26 medical specialties in the United States.

Allergy & Immunology
Dermatology
Medical Genetics
Internal Medicine
Nuclear Medicine
Orthopaedic Surgery
Pediatrics
Psychiatry
Surgery
Anesthesiology
Emergency Medicine
Thoracic Surgery
Neurological Surgery
Obstetrics & Gynecology
Otolaryngology
Plastic Surgery
Diagnostic Radiology
Physical Medicine & Rehabilitation
Colon & Rectal Surgery
Family Medicine
Urology
Neurology
Ophthalmology
Pathology
Preventive Medicine
Radiation Oncology

http://www.ama-assn.org/go/freida

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Subspecialty Training Programs under Internal Medicine

American Medical Association (AMA) recognizes 100 medical sub specialties in the United States:

Cardiology
Intensive care medicine
Endocrinology
Gastroenterology
Hematology
Hepatology
Infectious diseases
Nephrology
Proctology
Hepatology
Rheumatology
Pulmonology
Geriatrics

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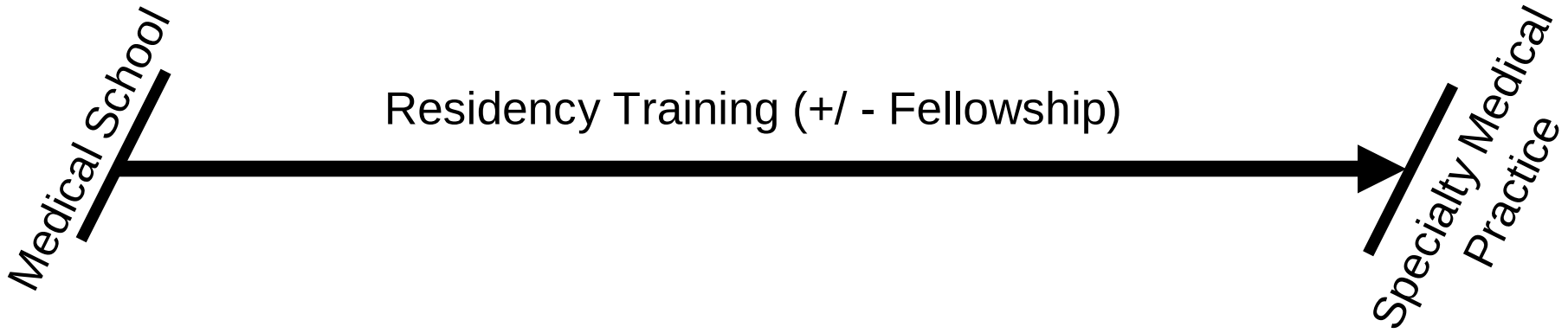
Who defines the curriculum?

Medical Doctor (M.D.)

Specialized Medical Doctor (M.D.)



American Council on Graduate Medical Education (ACGME)

American Board of Medical Specialties (ABMS)

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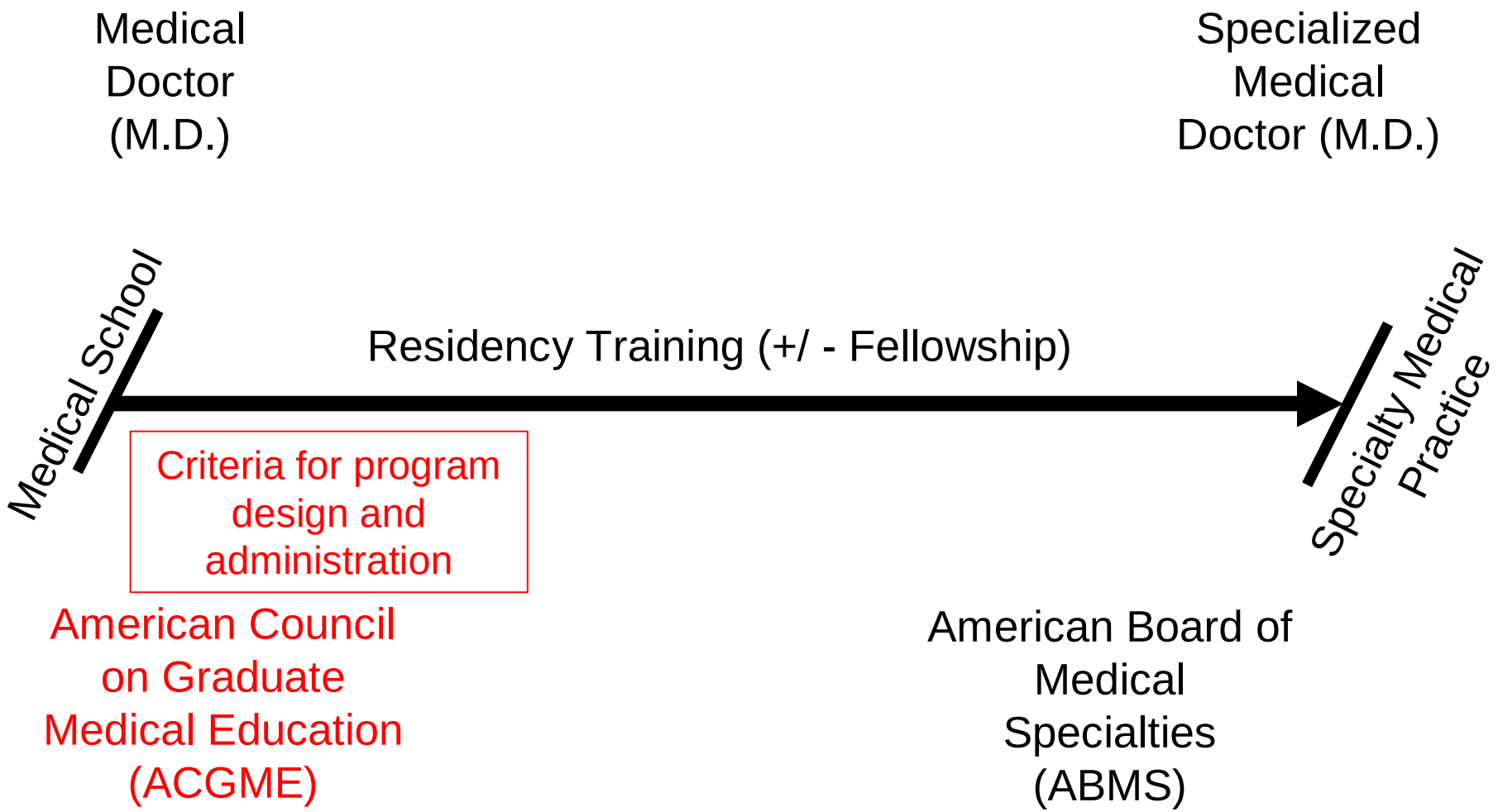
Who defines the curriculum?



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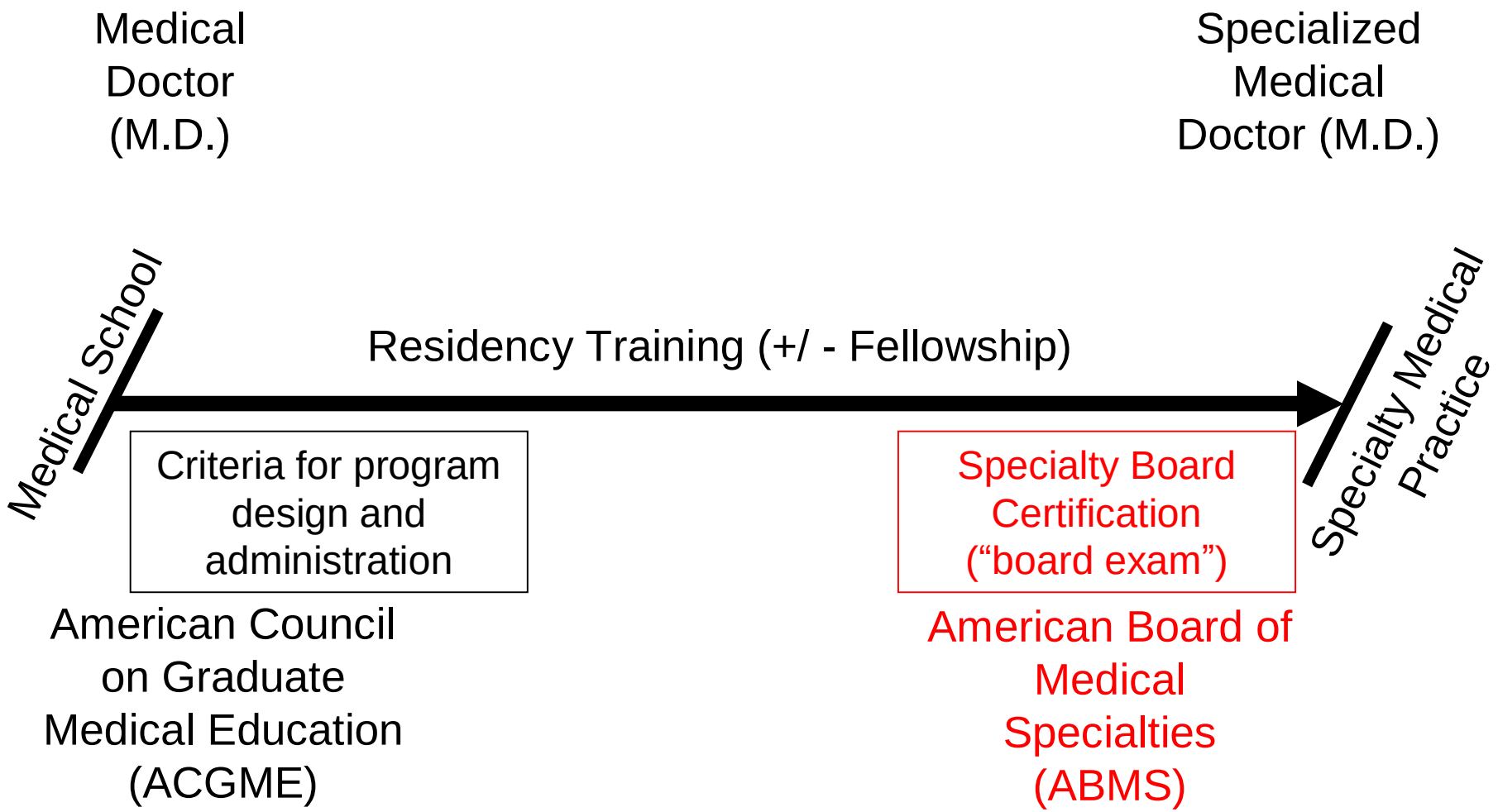
Who defines the curriculum?



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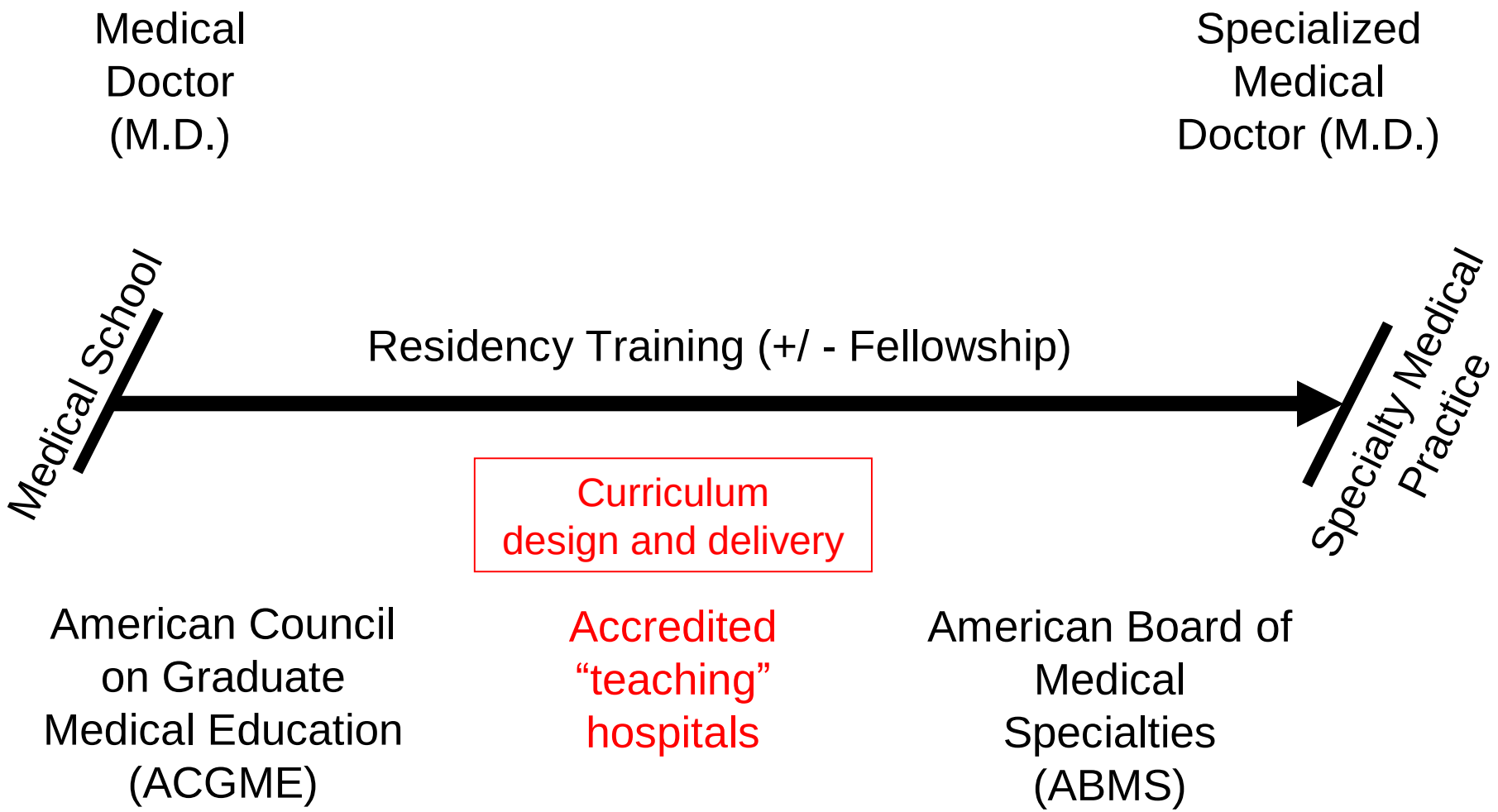
Who creates the curriculum?



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“locally-developed” training

- Rotations through relevant medical services
  (cardiology, radiology, surgery, etc.)
- Procedure labs
  (high-fidelity simulation, such as Laerdal Sim-Man)
- Conferences
  (interdepartmental meetings, journal club, grand rounds, etc.)
- other educational activities

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"Standard" training

- AHA Basic Life Support (BLS) – 4 hours
  (required of all physicians)

- AHA Advanced Cardiovascular Life Support (ACLS) – 13.5 hours
  (required prior to starting most specialty training programs,
  especially Emergency Med., Intensive Care, Anesthesiolgy)

- AHA Pediatric Advanced Life Support (PALS) – 14 hours
  (required for Pediatricians)

- AAP/AHA Neonatal Resuscitation Program (NRP) – 4 hours
  (required for Pediatric intensive care specialists)

NOTE: all courses are renewed every 2 years. Renewal courses usually ~½ the length of initial training courses.

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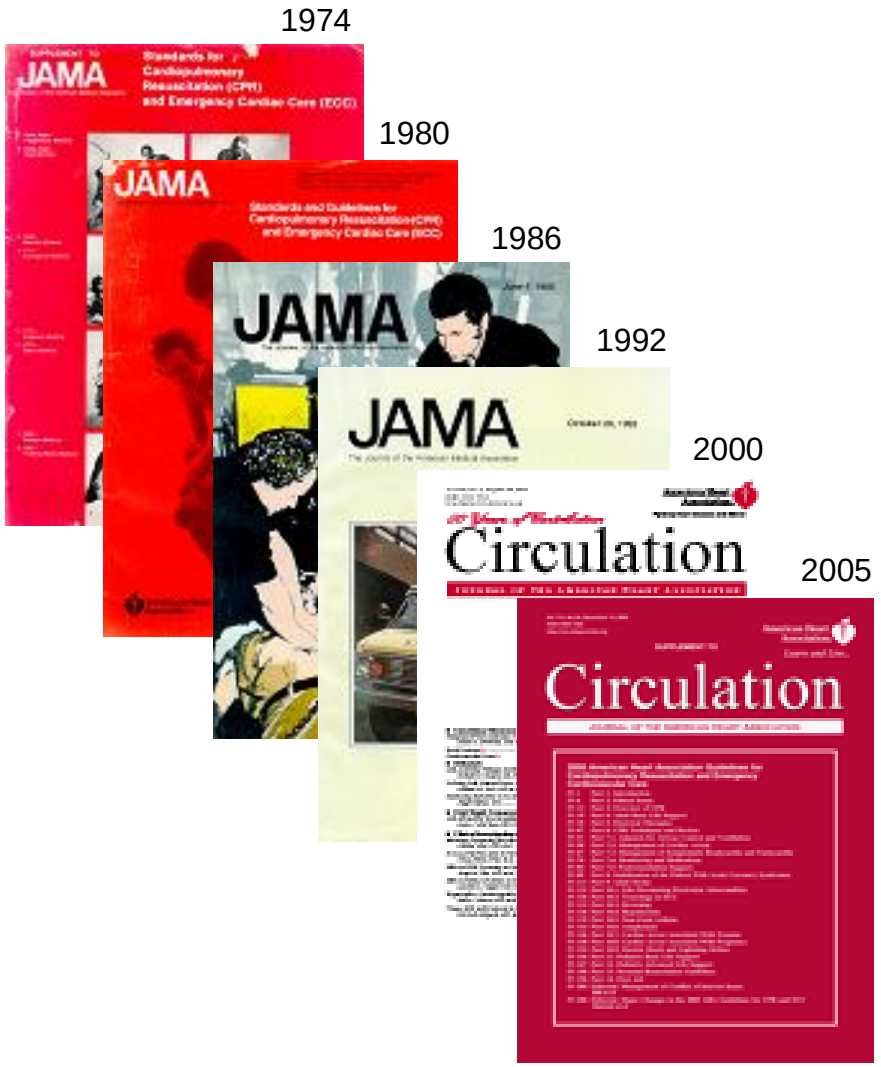
Advantages of using “standard” training courses from the American Heart Association

- Content is derived from the science-based AHA Guidelines



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Advantages of using “standard” training courses from the American Heart Association

- Content is derived from the science-based AHA Guidelines

- Content is updated continually as new science emerges

ILCOR Advisory Statement

Use of Automated External Defibrillators for Children: An Update

An Advisory Statement From the Pediatric Advanced Life Support Task Force, International Liaison Committee on Resuscitation

ILCOR Advisory Statement

Therapeutic Hypothermia After Cardiac Arrest

An Advisory Statement by the Advanced Life Support Task Force of the International Liaison Committee on Resuscitation

AHA Science Advisory

Hands-Only (Compression-Only) Cardiopulmonary Resuscitation: A Call to Action for Bystander Response to Adults Who Experience Out-of-Hospital Sudden Cardiac Arrest

A Science Advisory for the Public From the American Heart Association Emergency Cardiovascular Care Committee

Michael R. Sayre, MD; Robert A. Berg, MD, FAHA; Diana M. Cave, RN, MSN; Richard L. Page, MD, FAHA; Jerald Potts, PhD, FAHA; Roger D. White, MD

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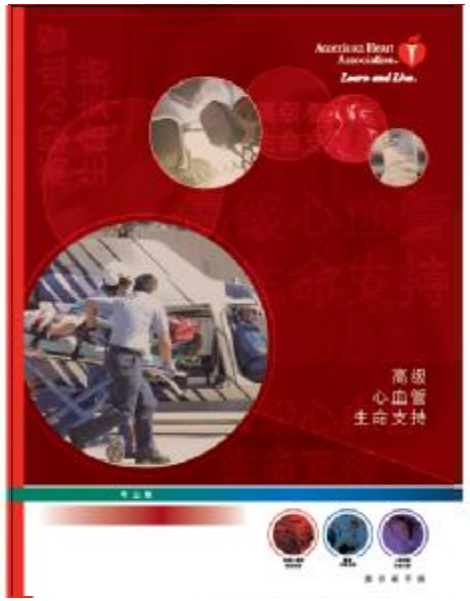
Advantages of using “standard” training courses from the American Heart Association

- Training programs are administered consistently, worldwide

Ø **Program Administration Manual**

Ø **Textbooks and videos**



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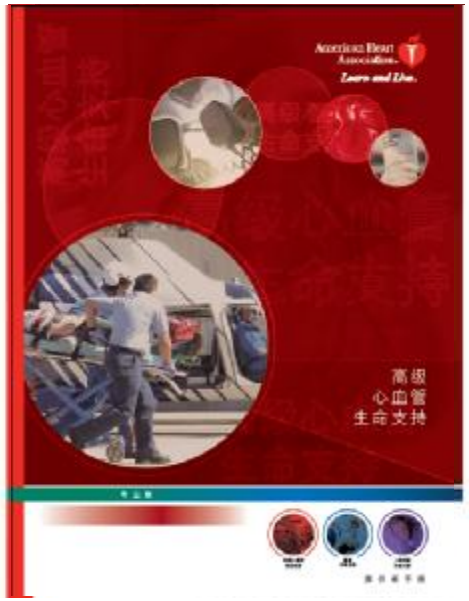
Advantages of using “standard” training courses from the American Heart Association

• Training programs are administered consistently, worldwide

• AHA credential is recognized, worldwide

Ø Program Administration Manual

Ø Textbooks and videos



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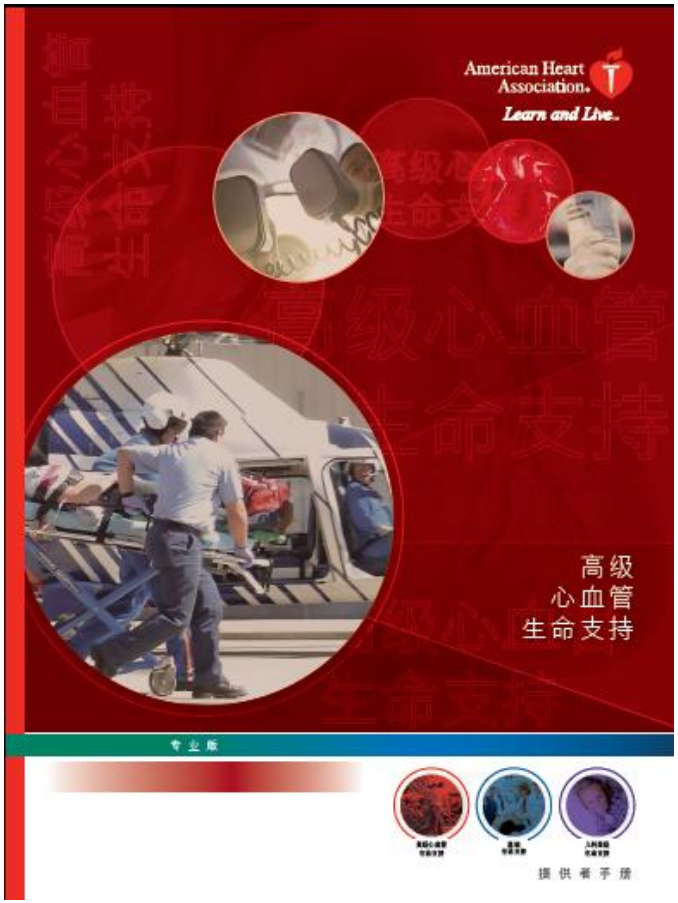

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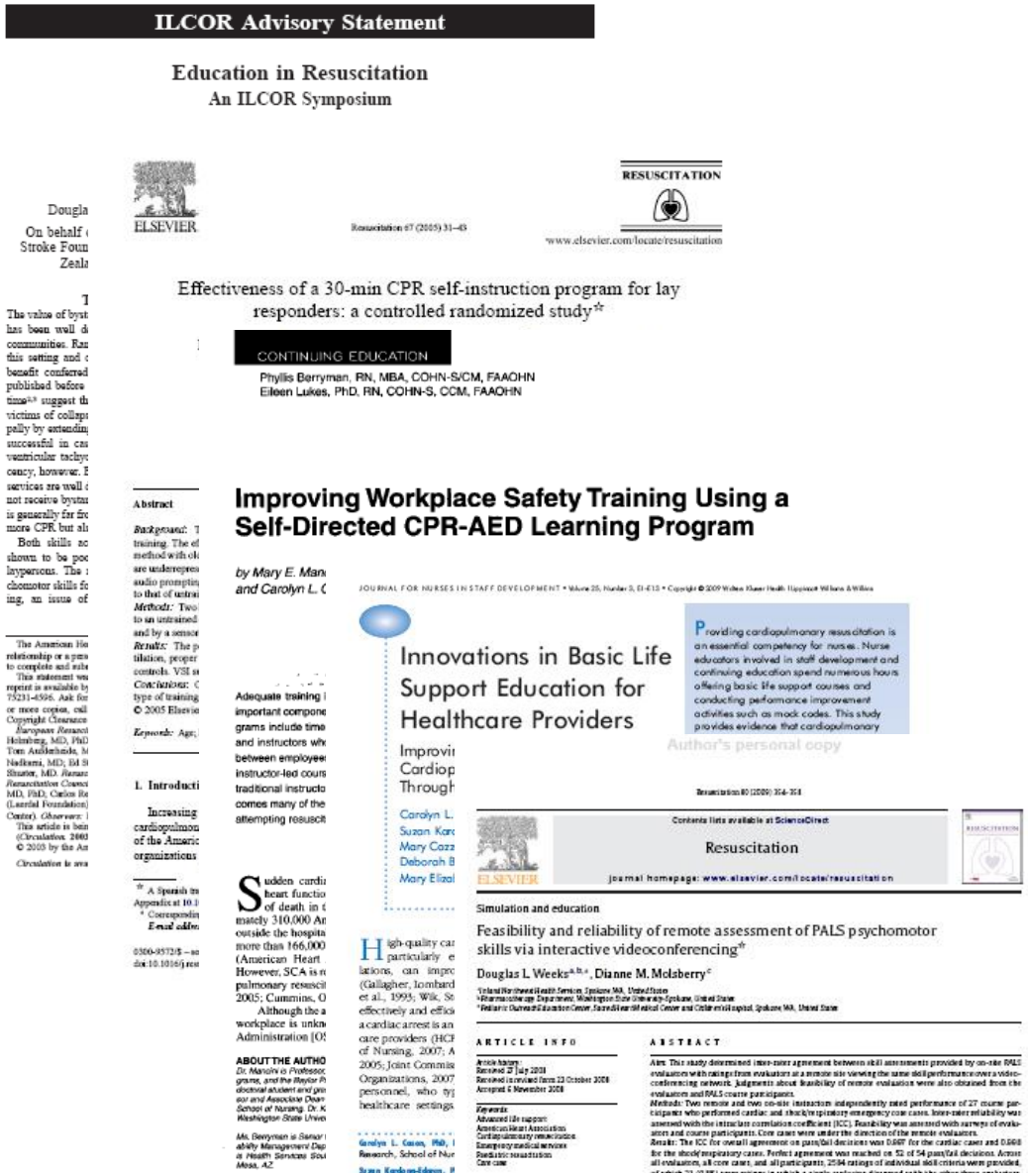
Advantages of using “standard” training courses from the American Heart Association

- Educational design of courses is also science-based



ILCOR Advisory Statement

Education in Resuscitation
An ILCOR Symposium

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RESUSCITATION

www.elsevier.com/locate/resuscitation

Effectiveness of a 30-min CPR self-instruction program for lay responders: a controlled randomized study☆

CONTINUING EDUCATION

Phyllis Berryman, RN, MBA, COHN-S/CM, FAAOHN
Eileen Lukes, PhD, RN, COHN-S, CCM, FAAOHN

Improving Workplace Safety Training Using a Self-Directed CPR-AED Learning Program

Innovations in Basic Life Support Education for Healthcare Providers

Author's personal copy

Contents lists available at ScienceDirect

Resuscitation

journal homepage: www.elsevier.com/locate/resuscitation

Simulation and education

Feasibility and reliability of remote assessment of PALS psychomotor skills via interactive videoconferencing☆

Douglas L. Weeks, Dianne M. Molsberry

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Advantages of using “standard” training courses from the American Heart Association

• Educational design of courses is also science-based

• Instructor development is extensive

Ø Certified Provider

Ø Core Instructor Training

Ø Course-specific instructor training

Ø Supervised Teaching

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Advantages of using “standard” training courses from the American Heart Association

- Educational design of courses is also science-based
- Instructor development is extensive
- Instructor support materials

ACLS

BLS

PALS

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Advantages of using “standard” training courses from the American Heart Association

- Educational design of courses is also science-based
- Instructor development is extensive
- Instructor support materials
- Quality assurance program for AHA training network

Ø Random monitoring of instructors

Ø Ongoing training center guidance

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AHA Training Worldwide

- Over 7 million healthcare providers trained each year, worldwide
- More than *2000 locations in over 100 countries* are authorized providers of AHA training programs
- This easily makes the AHA the largest single provider of medical education programs in the world

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Summary

- Criteria for medical specialty programs are developed by the ACGME

- Specific curricula are developed “locally” but do include some standard training programs from the organizations like the AHA (for example, BLS, ACLS or PALS)

- AHA training programs provide many advantages, inlcuding:
  - Ø evidence-based treatment recommendations
  - Ø current science
  - Ø science-based educational design
  - Ø student and instructor support materials
  - Ø quality assurance
  - Ø international recognition

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Thanks!

Questions?

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