

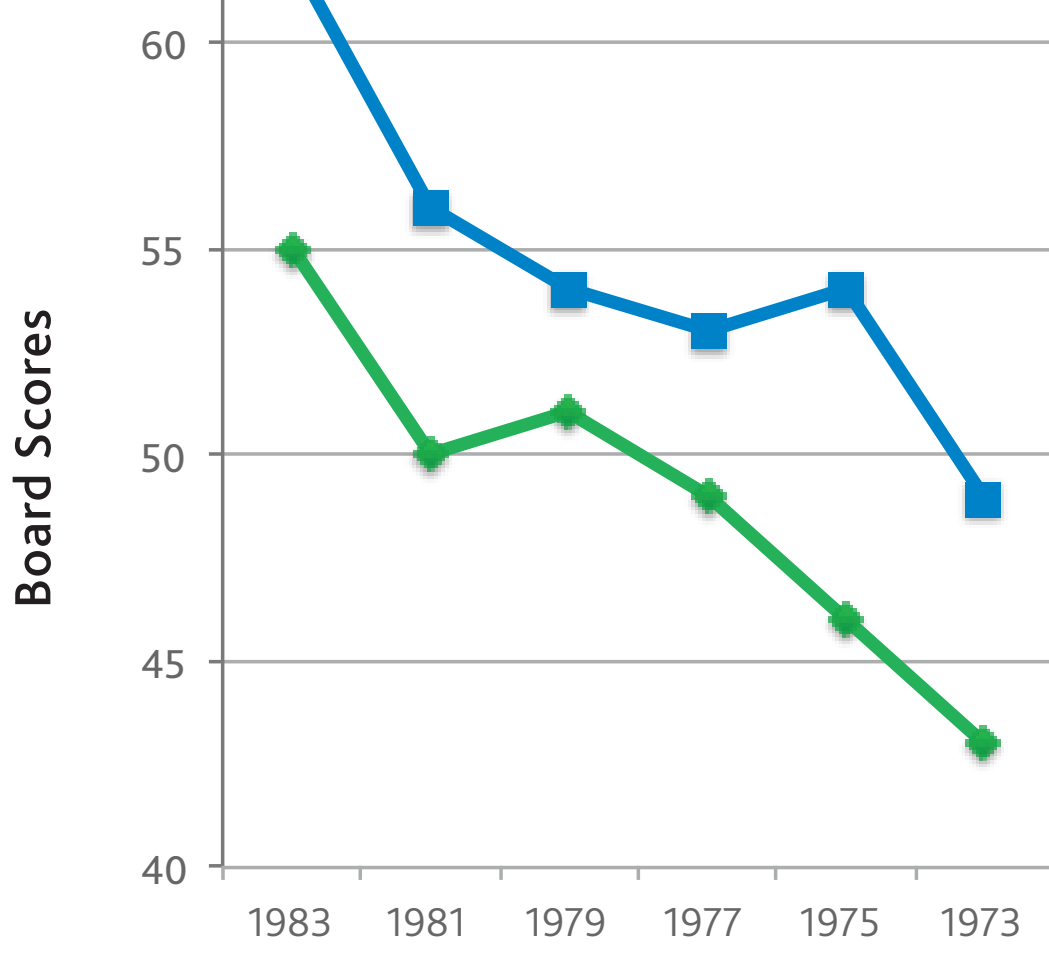
Using UpToDate®

I N C R E A S E S

MEDICAL KNOWLEDGE

CLINICAL KNOWLEDGE DECREASES OVER TIME

Cardiologists/
Gastroenterologists General
Internists



A significant inverse correlation ($r = -.30$) was found between **exam scores** and the **number of years elapsed** since certification.¹

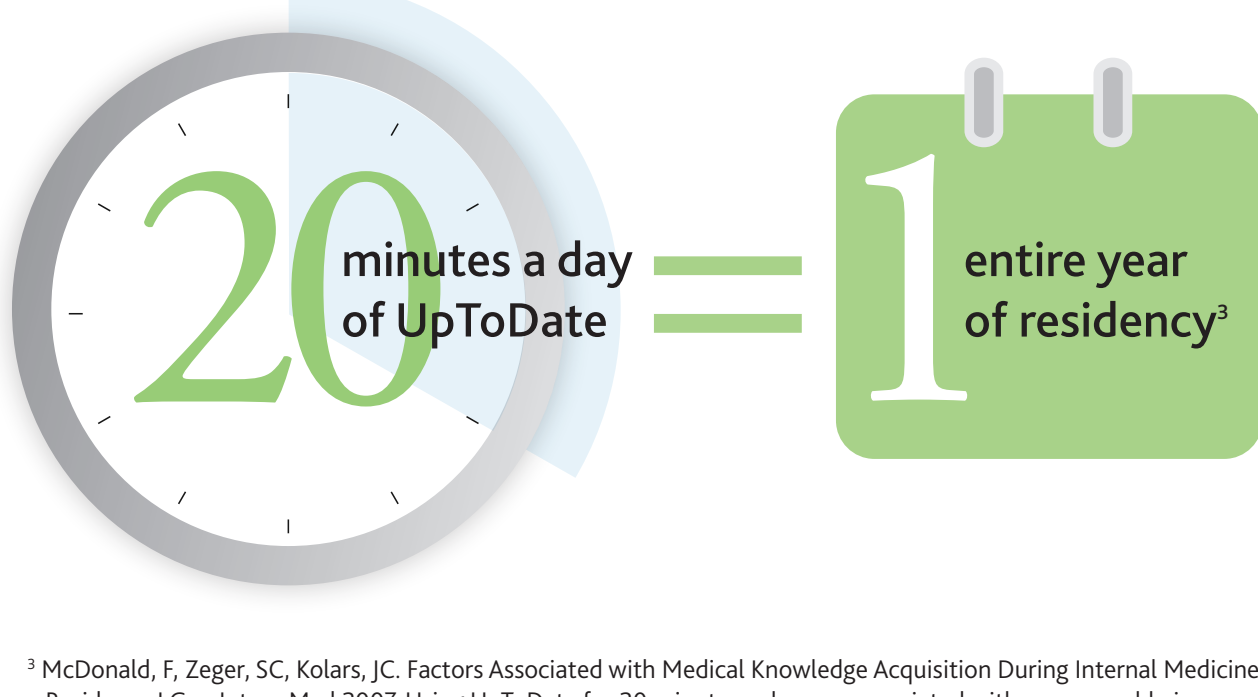
¹ Ramsey, P.G., et al., Changes over time in the knowledge base of practicing internists. JAMA, 1991. 266(8): p. 1103-7

In a systematic review,

45 out of **60** studies assessing **clinical outcomes** found a **decrease in performance** with increasing years in practice².

² Choudhry NK, Fletcher RH, Soumerai SB. Systematic review: the relationship between clinical experience and quality of health care. Ann Intern Med. 2005; 142:260.

STUDIES CONFIRM USING UPTODATE INCREASES MEDICAL KNOWLEDGE and IMPROVES RETENTION



³ McDonald, F, Zeger, SC, Kolars, JC. Factors Associated with Medical Knowledge Acquisition During Internal Medicine Residency J Gen Intern Med 2007. Using UpToDate for 20 minutes a day was associated with a comparable increase in IM-ITE scores as an entire year of residency.

Residents recognize the **impact** of **UpToDate** on their **education** and **training**

95% report **UpToDate** was the most effective resource for learning⁴



90% report **UpToDate** was their first choice for answering clinical questions⁴

78% of answers found in **UpToDate** changed patient care⁵



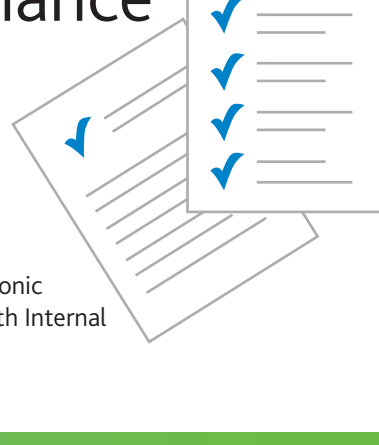
⁴ Edson RS, Beckman TJ, West CP, Aronowitz PB, Badgett RG, Feldstein DA, Henderson MC, Kolars JC, McDonald FS. A multi-institutional survey of internal medicine residents' learning habits. Med Teach. 2010;32(9):773-5.

⁵ Schilling LM, Steiner JF, Lundahl K, Anderson RJ. Residents' patient-specific clinical questions: opportunities for evidence-based learning. Acad Med. 2005 Jan;80(1):51-6.

Regular, frequent use of **clinical decision support** associated with **enhanced performance** on Internal Medicine Maintenance of Certification Examination⁶

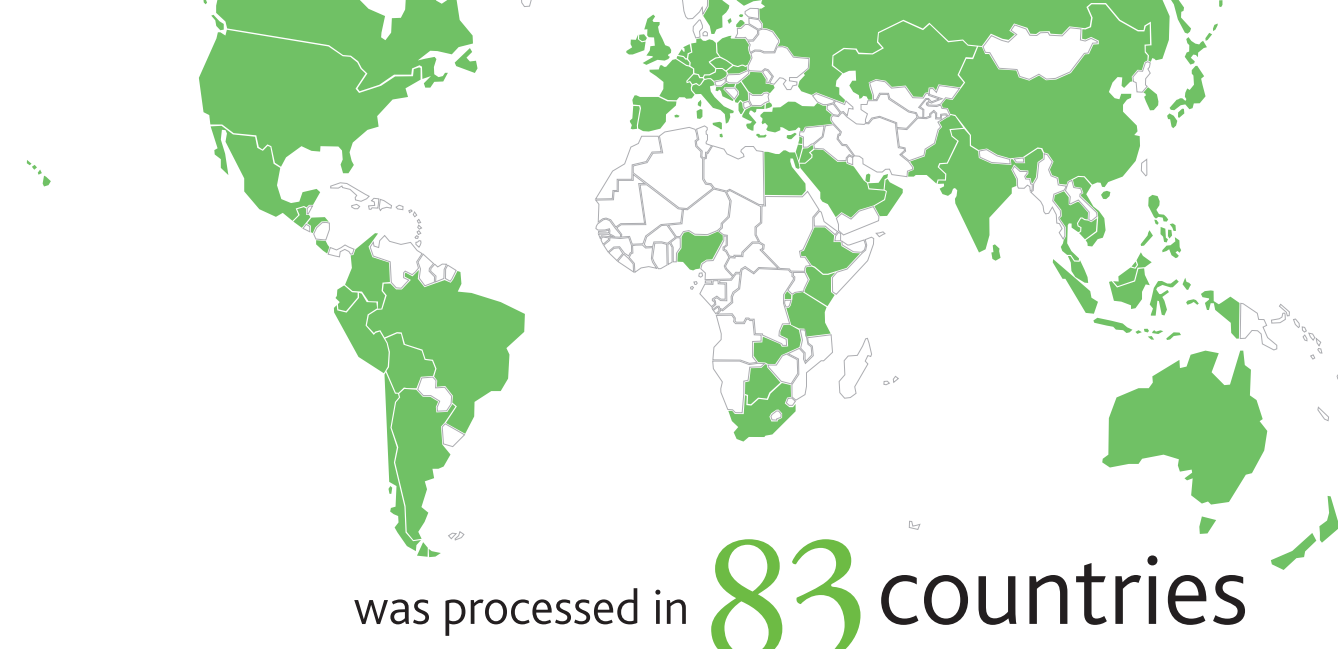
MAYO CLINIC

⁶ Department of Medicine, Mayo Clinic, 2012: Relationship of Electronic Medical Knowledge Resource Use and Practice Characteristics with Internal Medicine Maintenance of Certification Examination Scores



CME REDEMPTION

In 2013, **UpToDate CME**



was processed in **83** countries

UpToDate has been credited by the Accreditation Council for Continuing Medical Education since 2000. In 2012, UpToDate received Accreditation with Commendation. This is ACCME's highest award status, reflecting compliance with not only ACCME's core criteria, but also the additional commendation criteria, which demonstrate engagement with the environment to further physician learning and change.



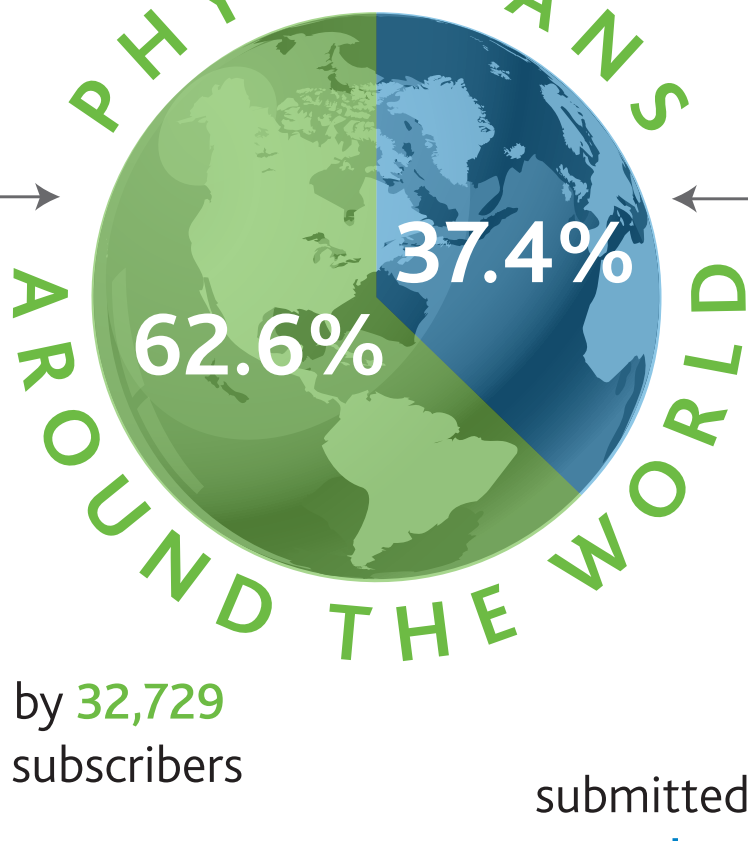
In 2013,

UpToDate awarded:

2,821,415

AMA PRA Category 1 Credits™

TO **52,282**



submitted by **32,729** individual subscribers

submitted by **19,553** hospital users

UpToDate is a good way to get "just in time" training, especially about rare or difficult clinical cases. It's also an excellent way to get CME credit, and frankly more effective than any lecture. I tell my students to read, read, read, and read more, and that UpToDate is a great resource.

— PAUL WELCH, MD, MPH

NEPHROLOGY

CLINICAL ASSOCIATE PROFESSOR OF MEDICINE, WVU EASTERN DIVISION

Wolters Kluwer
Health

Learn more at
www.upToDate.com