UpToDate is an electronic evidence-based clinical decision support tool written by physicians to help clinicians:

- Answer clinical questions
- Update clinical knowledge
- Improve patient care
Quick Facts about UpToDate

- Founded by Dr. Burton Rose, leading nephrologists
- Established in 1992
- Since 2008 part of Wolters Kluwer Health
- Only focusing on UpToDate, no traditional publishing company
- Strong editorial values: no commercial bias
- Internal editorial staff (practicing MD’s)
- External network of world-renowned authors
Quick Facts about UpToDate

☑ 4,800+ world-renowned authors, editors and peer reviewers.

☑ 97,000+ pages text, graphics and abstracts are included in UpToDate.

☑ 9,000+ clinical topics in 19 specialties (not including drug information).

☑ 700+ Patient information topics included written specifically for patients.

☑ Drug database and drug interactions database (in partnership with Lexi-Comp®)

☑ Medline abstracts provide access to over 328,000 references with optional link to full text

☑ 125 medical calculators, eliminating the need to remember formulas or use separate devices

☑ Email tool allows you to send topics to your colleagues or patients.

☑ Feedback button allows you to submit questions and comments to our editors.

☑ 450,000+ users worldwide

☑ Present in 149 countries

☑ Clinicians read over 120 million UpToDate topics last year (2010)
UpToDate offers comprehensive information in the following specialties, which are all included with every subscription:

- Adult and Pediatric Emergency Medicine
- Adult Primary Care and Internal Medicine
- Allergy and Immunology
- Cardiovascular Medicine
- Endocrinology and Diabetes
- Family Medicine
- Gastroenterology and Hepatology
- Geriatrics
- Hematology
- Hospital Medicine
- Infectious Diseases
- Nephrology and Hypertension
- Neurology
- Obstetrics, Gynecology and Women’s Health
- Oncology
- Pediatrics
- Pulmonary, Critical Care and Sleep Medicine
- Rheumatology
- General Surgery (NEW)

And:
- covering several other specialties (e.g. pathology, anesthesia)
- drug database
- drug - interaction
- information for nurses and other medical staff
- patient information (basic & advance)

Specialties in development:
- Psychiatry
- Dermatology
And even more important!

- Doctors do not have enough time to search for all answers
- Doctors are overloaded by the huge volume of (new) information (every day 800 - 1000 new publications in Medline)
The knowledge base of practicing physicians deteriorates over time

Cardiologists / Gastroenterologists

General Internists

Board Scores


40 42 44 46 48 50 52 54 56 58 60 62 64

Doctors’ Challenge

Too much information and not enough time

Amount of Information

GAP

Time to meet information needs
We do not need more information, but the right information, directly on the spot that is:

- objective / unbiased
- Valid
- evidence based
- graded recommendations
Good Clinical Practice

Best Clinical Evidence

Clinical Expertise

Patient’s Values and Circumstances

YOU!

UpToDate
Several Independent studies show that UpToDate...

- is used more than other resources
- is efficient (saves time for clinicians)
- has impact on patient care (better decisions)
- improves doctor’s performance
- brings savings for hospitals (Solucient study):
  - hospital length of stay
  - decreased complication rates
  - reduce adverse events
  - less referrals
  - save money (ROI)
85% German Doctors agree that *UpToDate* is integral to their practice.

*UpToDate Subscribers’ Survey 2004, analysis confined to respondents in Germany*
UK study 2008

UK doctors report high levels of satisfaction with UpToDate

98%
Influence of UpToDate in Major Medical Centers

% reporting sometimes or even leads to change of management

<table>
<thead>
<tr>
<th>Country</th>
<th>USA</th>
<th>UK</th>
<th>Germany</th>
<th>Netherlands</th>
<th>Japan</th>
<th>Sweden</th>
<th>Brazil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change Management</td>
<td>80%</td>
<td>90%</td>
<td>90%</td>
<td>80%</td>
<td>80%</td>
<td>70%</td>
<td>100%</td>
</tr>
</tbody>
</table>
Proportion reporting that UpToDate save time or faster than other means of obtaining information

- USA
- UK
- Germany
- Netherlands
- Japan
- Sweden
- Brazil
Clinicians choose UpToDate

# of times a resource was used to answer questions (as %)

- Medline: 73%
- UpToDate: 70%
- MD Consult: 6%
- Cochrane Library: 3%
- Micromedex: 2%
- NEJM Web Sites: 1%
- Internet Search (eg, Google): 8%
- Other: 4%
Estimated Impact of UpToDate usage levels on complications, patient safety and mortality

![Graph showing the estimated impact of UpToDate usage levels on complications, patient safety, and mortality. The x-axis represents UpToDate Topic Reviews per Week (148, 403, 1097, 2981) and the y-axis represents Improvement in Risk Percent (0%, 10%, 20%, 30%, 40%, 50%, 60%, 70%). Green line represents Complications, blue line represents Patient Safety, and red line represents Mortality.]
Effect on length of stay

Days of stay avoided given differing numbers of hits per week (Hit per Week (HPW) for varying numbers of inpatient discharges)

Number of days of stay avoided given differing numbers of hits per week (Hit per Week (HPW) for varying numbers of inpatient discharges)

Number of discharges per Year

UpToDate is also currently part of the clinical practice at many prominent hospitals in the Gulf including:

**Bahrain:** Bahrain Defense Forces Hospital - RCSI –Medical University of Bahrain

**Iran:** Ministry Of Health for all University hospitals in Iran (49)

**Kuwait:** Kuwait Medical Collage & hospital – Kuwait University

**Oman:** Oman Medical Specialist Board (OMSB)
- Sohar Medical College - Sultan Qaboos University Hospital
  - The Royal Hospital

**Qatar:** Hamad Hospital & Medical Collage - ASPETAR -Qatar Ortho & Medicine Hospital

**Saudi Arabia:**
- King Abdul Aziz Medical City (NGH) - King Faisal Specialist Hospital
- King Fahad Medical City - International Medical Hospital
- Aramco Medical Services - Saad Specialist Hospital
- King Khalid Hospital (Riyadh) - King Abdulaziz University Hospital (Jeddah)
- Riyadh Military Hospital - Security Forces Hospital
- King Fahad Specialist Hospital - Al Hammadi Hospital
- University of Dammam - Northern Area Armed Forces Hospital

**UAE:**
- SEHA for all Government Hospitals & Clinics in Abu Dhabi - Iranian Hospital in Dubai
- American Hospital in Dubai - Al Zahra Hospital (Sharjah)
- The City & Welcare Hospitals & Clinics - Sharjah University - Medical College
- Al Noor Hospital (Abu Dhabi)
UpToDate is a resource available at your fingertips… just a few key-strokes away.

- UpToDate (based on many studies):
- Is efficient (saves time for physicians)
- Has impact on patient care (better decisions)
- Brings savings (length of stay, less referrals,..)
- Increases satisfaction rates (physicians & patient)
- UpToDate has no pop-ups, advertising or sponsors.
- Written by physicians for physicians.
- Certified by groups of specialties societies.
- 18 Covered Specialties and growing (more in progress)
Thank You