

# The Medical Library of the Future: Be prepared for the invisible



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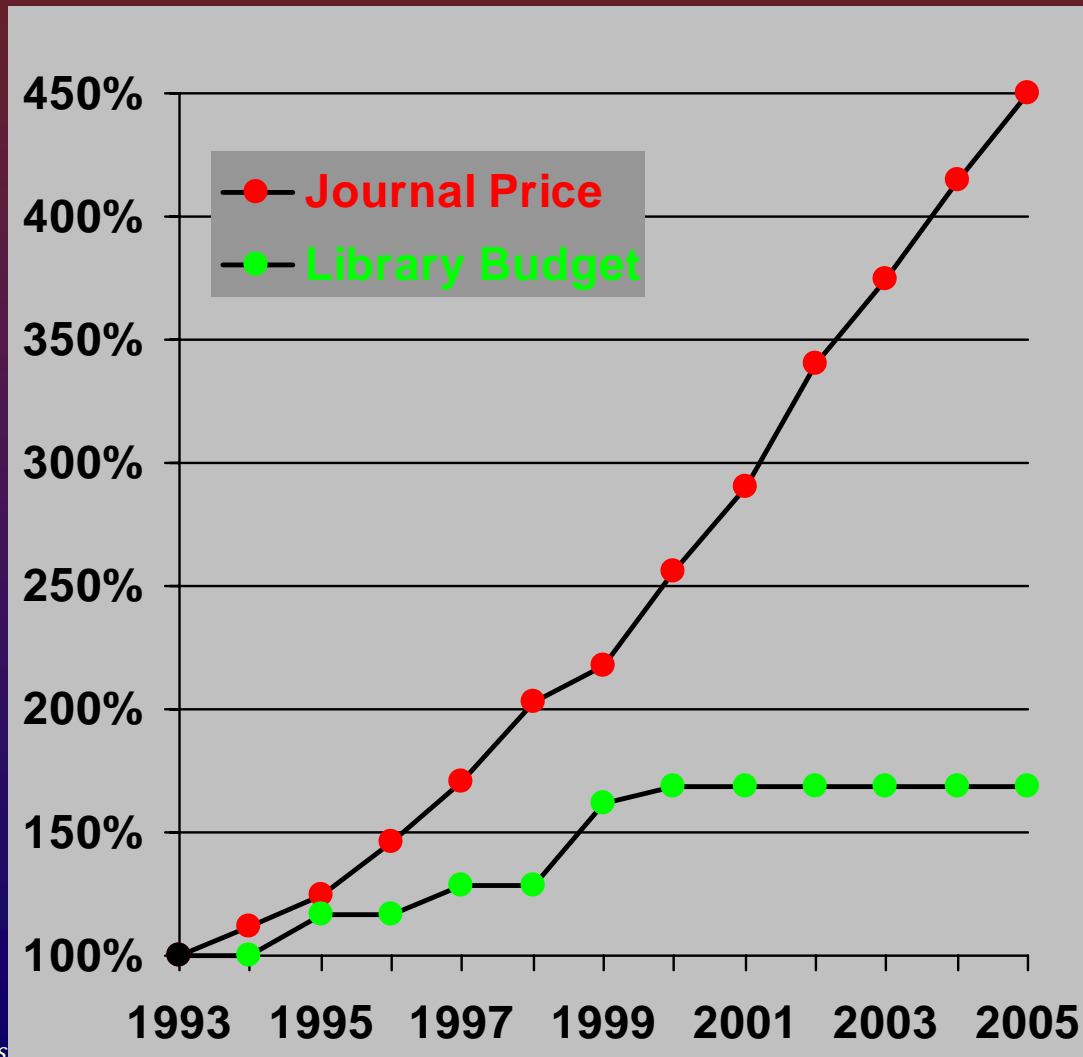


# Steps to the library of the future

- ✓ Transition to electronic journals
- ✓ Transition to electronic books
- ✓ Transition to the mobile library

## ❖ A Future Forecast

# What about the journal price crisis?





# Cost effectiveness of journals

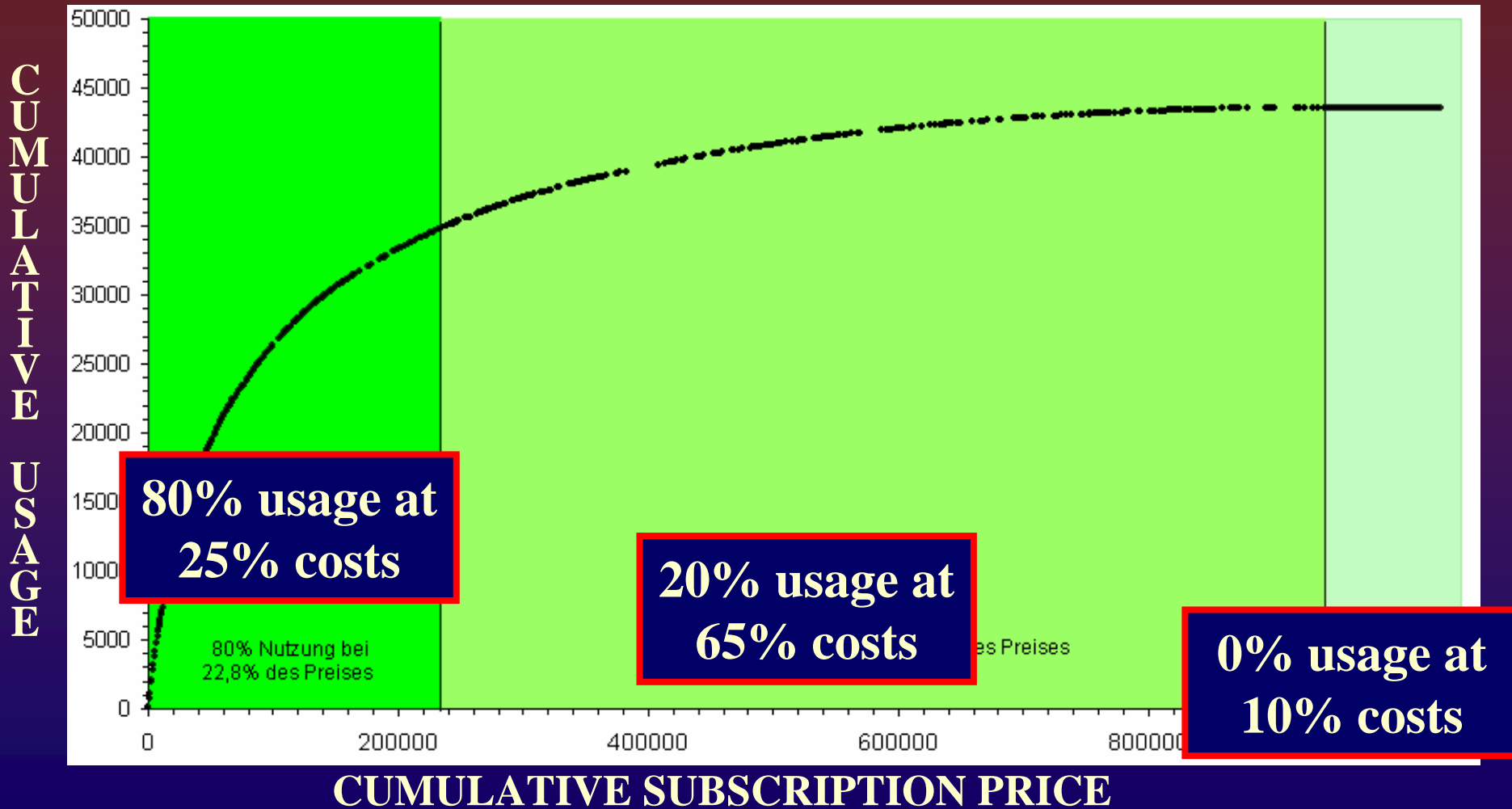
## - Printed Titles

- |  |                  |
|--|------------------|
| - Molecular and cellular endocrinology | 1.200 Euro / Use |
| - Mutation research                    | 500 Euro / Use   |
| - Biochimica biophysica acta           | 27 Euro / Use    |
| - J biological chemistry               | 1,30 Euro / Use  |
| - Circulation                          | 0,70 Euro / Use  |
| - New England J Medicine               | 0,55 Euro / Use  |




## - Electronic Titles

- |                                    |                  |
|------------------------------------|------------------|
| - Clinical immunology              | 1.918 Euro / Use |
| - European journal of cell biology | 557 Euro / Use   |
| - Developmental biology            | 102 Euro / Use   |
| - Journal of biological chemistry  | 0,17 Euro / Use  |
| - Circulation                      | 0,08 Euro / Use  |
| - Nature                           | 0,06 Euro / Use  |

# Value of the complete serial collection



# Cost effectiveness of big deals

<i><b>Publisher</b></i>	<i><b>Euro per Download</b></i>	<i><b>Library</b></i>
Highwire	0,40	
Cell Press	0,60	
Nature	0,80	
Springer	1,10	
Wiley	1,20	
Harcourt	1,70	
Lippincott	1,80	
Blackwell	2,00	
Elsevier	2,40	
Karger	2,50	
Ingenta	9,00	
Kluwer	n.d.	



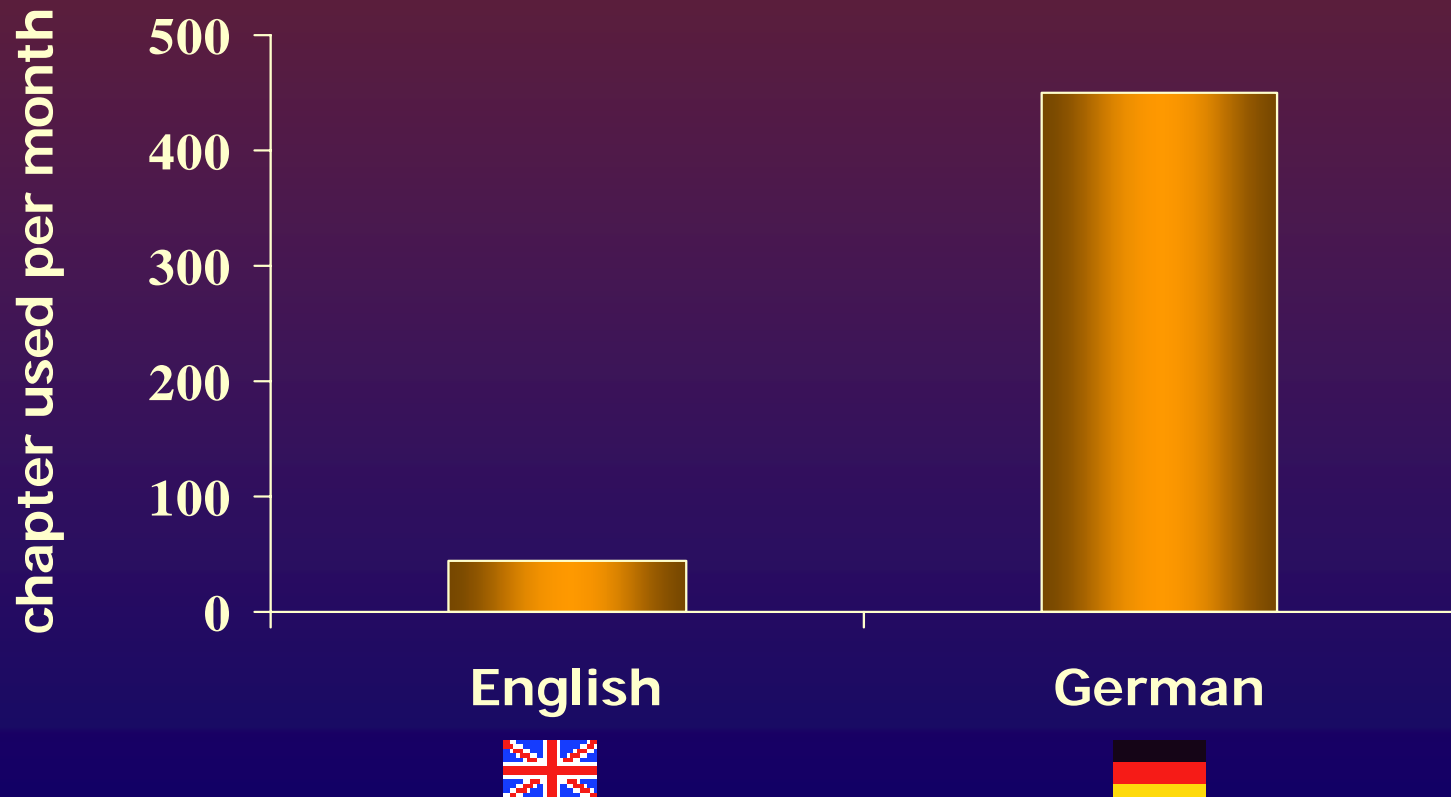
# Lessons learned from e-Journals

- ❖ If a journal isn't online it ceased to exist
- ❖ Don't hesitate: change early, change completely
- ❖ Keep print only if a combined subscription is cheaper
- ❖ Experiment with alternatives like
  - Express Document Delivery
  - Pay-per-View
- ❖ Promote institutional repositories & Open Access



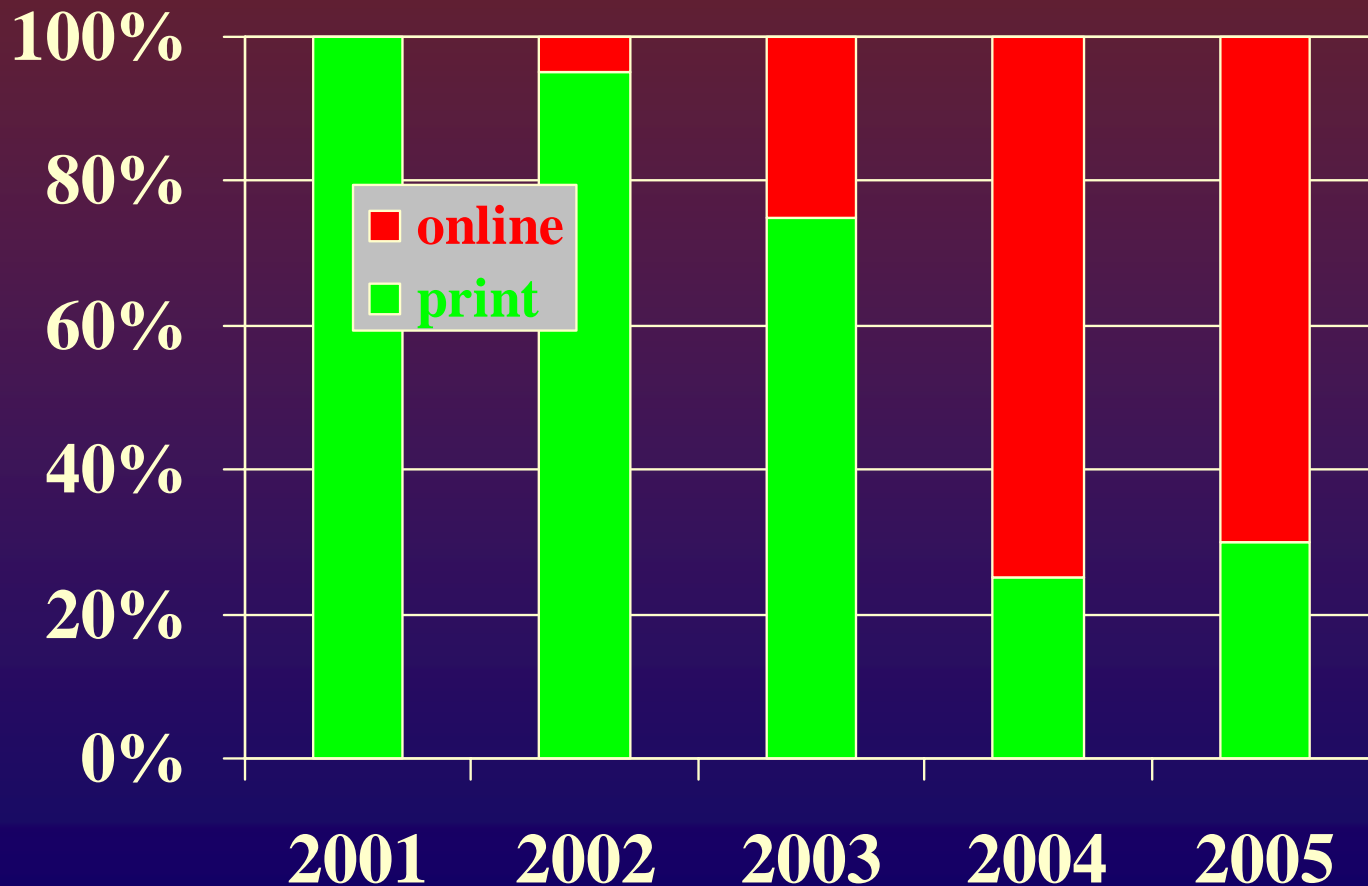
# Transition to electronic books

## Use of E-Books per language





# Library budget for English Books





# Lessons learned from e-Books

- ❖ Electronic books are hot – but only in German
- ❖ Only a single publisher is offering e-Books
- ❖ e-Books are much more expensive than printed ones (license vs. purchase)
- ❖ Usefulness of e-Books is limited
- ❖ Rather than displace printed books they will provide an alternative way of access

# Transition to the mobile library

- ❖ Motivation: We lend out books on paper, why not books on Handheld Computer (PDA)?
- ❖ Resources for quick reference
- ❖ Information at the point of need
- ❖ Mobilisation of information increases quality of patient care (less medication errors)



The screenshot displays a mobile library website with the following categories and links:

- Bücher**
  - [DDInnere](#)
  - [Dorland's Pocket Medical Dictionary](#)
  - [Harrison's Internal Medicine](#)
  - [Oxford Handbook of Clinical Medicine](#)
  - Stedman's Medical Dictionary 27th
- Arzneimittelverzeichnisse**
  - [Rote Liste](#)
  - [Gelbe Liste](#)
  - [Arzneimittelpocket](#)
- Arzneimittel-Interaktionen**
  - [Gelbe Liste Arzneimittel-Interaktionen](#)
  - [Drug Interaction Facts](#)
  - [Lexi-Comp's Drug Information](#)
- Kodierungen**
  - [ICD-10 GM-2004](#)
  - [OPS-301 2004](#)
  - [G-DRG-Systematik 2004 mit DRG-Graphiken](#)
- Zeitschriften**
  - [Lippincott-Journals](#) (Ovid@Hand)
  - [MEDLINE-Journals](#) (CognIQ)
  - [MEDLINE](#) (Ovid@Hand o. CognIQ)
- Systematische Reviews**
  - [Clinical Evidence](#) (CognIQ)
  - [UpToDate](#)
- Labor, Klinische Chemie**
  - [LaborXXL](#)
  - [MedCalc](#)

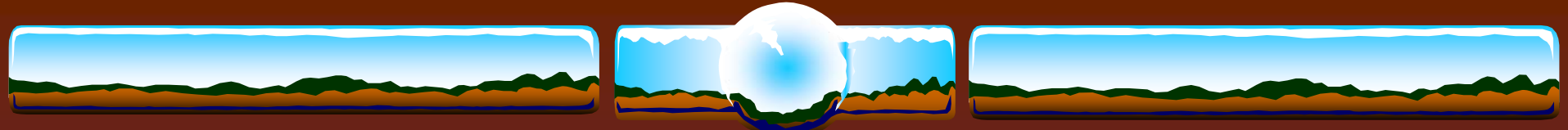




# Lessons learned from mobile

- ❖ Lending of PDAs of limited use
- ❖ Customers must have their own device
- ❖ Negotiation of licenses very successful
- ❖ Vendors are end-user oriented: No business model for whole campus (only Ovid@Hand)





# And if you don't come to the Library, the Library is coming to you ...

1. **Traditional Library:** „Restaurant-Library“, fixed, Single Point of Access



2. **Digital Library:** "Pizza-Library", Services and Contents online, Desktop Access

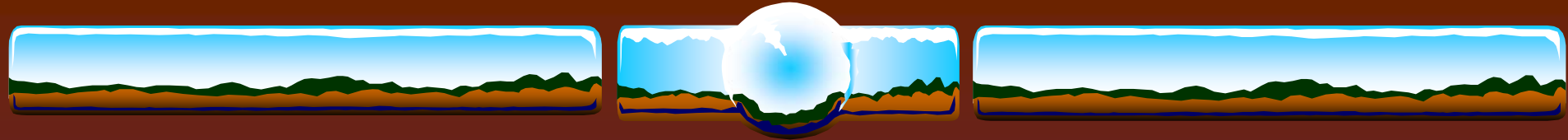


3. **Mobil Library:** Applications for Tablet PCs/Smartphones/PDAs



4. **Ubiquitous Library:** Access Points every time & every where





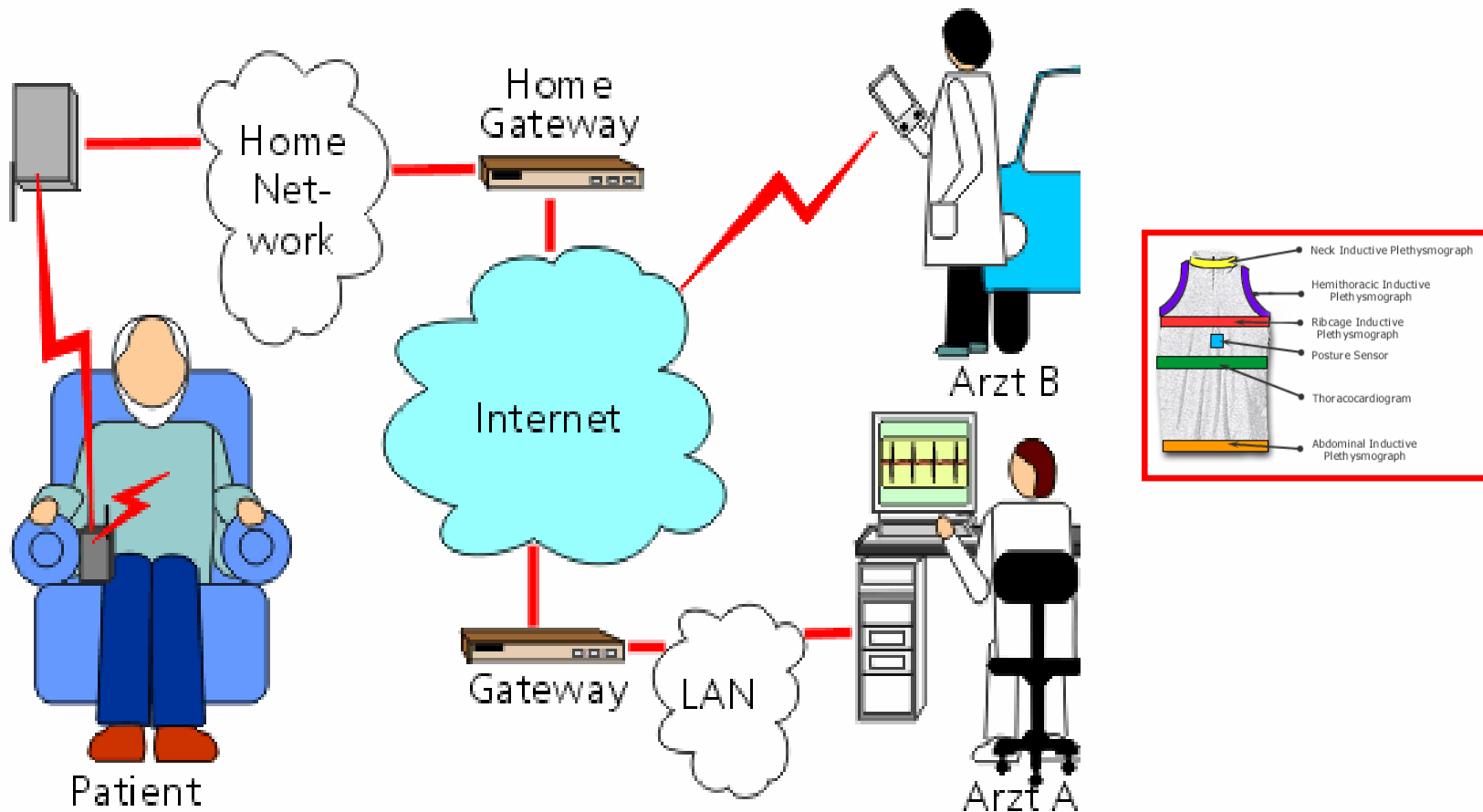
# The ubiquitous library will be invisible

## **Ubiquitous Computing:**

Information Technology will be distributed in the human environment, instead of bundling them on the desktop.

## Einsatzgebiet *Home Care*

Patient zu Hause → BAN → Home Network → Internet → Krankenhaus → LAN → Arzt A  
Patient zu Hause → BAN → Home Network → Internet → Mobilfunk → Arzt B im Auto





# The changing paradigm of information access

## **(1) Instant Access**

- People are used to communicate when they want
- Users want to get answers at the point of need
- They expect immediate access or nothing

## **(2) Always On**

- 24 Hour \* 7 Days connected to the Internet
- Never mind if on the Net or not
- Always in connection with remote people/information





# The invisible library is both ...

❖ a big desire:

"No barriers for access to information in terms of time, space, and skills."

❖ a big danger:

"It's all on the Internet - for free"

# Questions?

