Evidence-based Usability Guidelines for Promoting Safety and Efficacy

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Strategic Health IT Advanced Research Projects
- Security of Health Information Technology
- Patient-Centered Cognitive Support
- Healthcare & Network Platform Architectures
- Secondary Use of EHR Data

Sharpc.org
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Usability Guidelines are Powerful

Apple, Microsoft, Android, ...
NASA, FAA, DoD, ...
HFES, WWW-Consortium, ...

RAISE QUALITY

Promote Consistency → User Performance
Speed Development → Programmer Productivity
Reduce Errors → Organization Reputation
Usability Guidelines are Powerful

- Education
- Enforcement
- Exemption
- Enhancement

- 209 Guidelines
- 400+ References

Usability.gov
Improving Usability of EHRs

- Publish EHR guidelines documents
- Permit examination & discussion of products
- Report on usability study results
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- Publish EHR guidelines documents
- Permit examination & discussion of products
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- Promote consistency with industry-led common user interface guidelines
- Report failures periodically with common metrics
- Work with Government agencies to coordinate specific industry practices
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