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## Rights and Responsibilities of Electronic Health Record Users

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### Key Points

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## Introduction

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## Contextualizing Emergent Topics as Clinician "Rights" and Responsibilities

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### Ten Professional “Rights” and Responsibilities

- **Universal EHR access.** - = k u  
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- **No “missing” data.** #  
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- **Succinct patient summaries.** # - = k  
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- **Overriding computer-generated interventions.** #

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- **CDS Rationale.** #) o

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- **Reliable performance measurement.** - =k

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- **Safe EHRs.** =k # =k =k =k #

- **Training and assistance.** ° =k # =k =k \ # =k # u =k 7 =k

- **EHRs that are compatible with real-world clinical workflows.** # =k # =k #) o =k

- **EHRs that facilitate communication, coordination, and teamwork.** =k U =k # =k

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## Setting the Groundwork for Future Debate

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## Summary

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**Acknowledgements:**

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## References

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1. HealthConnect Implementation Strategy v2.1 July 6, 2005.
2. France FR. eHealth in Belgium, a new "secure" federal network: role of patients, health professions and social security services. *Int J Med Inform.* 2011 Feb;80(2):e12-6. Epub 2010 Oct 28.
3. EHR Blueprints: An interoperable EHR framework. Version 2. March 2006.
4. Protti D, Johansen I. Widespread adoption of information technology in primary care physician offices in Denmark: a case study. *Issue Brief (Commonw Fund).* 2010 Mar;80:1-14.
5. House of Commons Public Accounts Committee. The National Programme for IT in the NHS: Progress since 2006. Second Report of Session 2008-09. Available at: [publications.parliament.uk/pa/cm200809/cmselect/cmpublicacc/153/153.pdf](http://publications.parliament.uk/pa/cm200809/cmselect/cmpublicacc/153/153.pdf)
6. Blumenthal D. Wiring the health system - origins and provisions of a new federal program. *N Engl J Med.* 2011 Dec 15;365(24):2323-9.
7. Powsner SM, Wyatt JC, Wright P. Opportunities for and challenges of computerisation. *Lancet.* 1998 Nov 14;352(9140):1617-22.
8. Bates DW, Leape LL, Cullen DJ, Laird N, Petersen LA, Teich JM, Burdick E, Hickey M, Kleefield S, Shea B, Vander Vliet M, Seger DL. Effect of computerized physician order entry and a team intervention on prevention of serious medication errors. *JAMA.* 1998 Oct 21;280(15):1311-6.
9. Singh H, Arora HS, Vij MS, Rao R, Khan MM, Petersen LA. Communication outcomes of critical imaging results in a computerized notification system. *J Am Med Inform Assoc.* 2007 Jul-Aug;14(4):459-66.
10. Singh H, Naik AD, Rao R, Petersen LA. Reducing diagnostic errors through effective communication: harnessing the power of information technology. *J Gen Intern Med.* 2008 Apr;23(4):489-94.
11. Protti D. Comparison of information technology in general practice in 10 countries. *Healthc Q.* 2007;10(2):107-16.
12. Westbrook JI, Braithwaite J. Will information and communication technology disrupt the health system and deliver on its promise? *Med J Aust.* 2010 Oct 4;193(7):399-400.
13. Poissant L, Pereira J, Tamblyn R, Kawasumi Y. The impact of electronic health records on time efficiency of physicians and nurses: a systematic review. *J Am Med Inform Assoc.* 2005 Sep-Oct;12(5):505-16.

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Campbell EM, Guappone KP, Sittig DF, Dykstra RH, Ash JS. Computerized provider order entry adoption: implications for clinical workflow. J Gen Intern Med. 2009 Jan;24(1):21-6. Epub 2008 Nov 20.

42. Thomas EJ. Improving teamwork in healthcare: current approaches and the path forward. BMJ Qual Saf. 2011 Jun 28.

43. Department of Veterans Affairs Monthly Report to Congress on Data Incidents. Nov 1-28, 2010. Available at: [va.gov/ABOUT\\_VA/docs/monthly\\_rfc\\_nov2010.pdf](http://va.gov/ABOUT_VA/docs/monthly_rfc_nov2010.pdf) (Accessed: 27 November 2011)

44. The Joint Commission - Texting Orders. Released November 10, 2011. Available at: [jointcommission.org/standards\\_information/jcfaqdetails.aspx?StandardsFaqlD=401&ProgramId=1](http://jointcommission.org/standards_information/jcfaqdetails.aspx?StandardsFaqlD=401&ProgramId=1) (Accessed 27 November 2011).

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