













5. Forsætisráðuneyti Íslands. Auðlindir í allra þágu. Stefna ríkisstjórnarinnar um upplýsingasamfélagið, 2004-2007; Skýrsla. Forsætisráðuneyti Íslands, Reykjavík 2004. www.forsaetisraduneyti.is/media/Skyrslur/UpplStefna2004.pdf/
6. Eysenbach G, Jasad AR. Consumer health informatics in the Internet age. In Edwards A, Elwyn G, ed. Evidence-based patient choice Oxford: University Press 2001: 289-307.
7. Teslow MS, Wilde DJ. Data collection standards. In: Abdelhak M, Grosttick S, Hanken MA, Jackobs E, ed. Health Information: Management of a Strategic Resource. 2nd ed. WB Saunders Company, Philadelphia 2001: 72-143.
8. Pyper C, Amery J, Watson M, Thomas B, Crook, C. Survey of patient and primary health care team perceptions and attitudes on electronic health records. NHS Information Authority, ERDIP, Electronic Record Development and Implementation Programme; Report 2001. www.nhsia.nhs.uk/erdip/pages/demonstrator/bury/bury\_(13).pdf/
9. Ross SE, Todd J, Moore LA, Beaty BL, Wittevrongel L, Lin CT. Expectations of patients and physicians regarding patient-accessible medical records. J Med Internet Res 2005; 7: e13. www.jmir.org/2005/2/e15/
10. Cimino JJ, Patel VL, Kushniruk AW. The patient clinical information system (PatCIS): technical solutions for and experience with giving patients access to their electronic medical records. Int J Med Inform 2002; 68: 113-27.
11. Hassol A, Walker JM, Kidder D, et al. Patient experiences and attitudes about access to a patient electronic health care record and linked web messaging. J Am Med Inform Assoc 2004; 11(6): 505-13.
12. Pálsdóttir Á. Icelandic citizens' everyday life health information behaviour. Health Informatics J 2003; 9: 225-40.
13. Essex B, Doig R, Renshaw J. Pilot study of records of shared care for people with mental illnesses. Br Med J 1990; 300: 1442-6.
14. Sukel K. European countries adopt e-Health interoperability and cooperation. Healthcare I.T. News EU 2007; April 26<sup>th</sup>. healthcareitnews.eu/content/view/404/40/
15. Gann BN. HS direct online: A multi-channel eHealth service. In: Iakovidis I, Wilson P, Healy JC, ed. E-Health. Current Situation and Examples of Implemented and Beneficial E-Health Applications. IOS Press, Amsterdam 2004: 164-8.
16. Hagstofa Íslands. Notkun heimila og einstaklinga á tölvum og interneti 2008. Hagtiðindi. Statistical Series, 2008: 1; 93: 1-12. hagstofan.is/lisalib/getfile.aspx?ItemID=8282/
17. World Economic Forum. The Global Information Technology Report 2006-2007; Executive summary 2007. www.weforum.org/pdf/gitr/summary2007.pdf/
18. Gustafson DH, Hawkins RP, Boberg EW, et al. CHES: 10 years of research and development in consumer health informatics for broad population, including the undeserved. Int J Med Inform 2002; 65: 169-77.
19. Polit DF, Beck CT. Nursing Research. Principles and Methods 7th ed. Lippincott, Williams & Wilkins, Philadelphia 2004: 428.
20. Ragnarsdóttir Þ, Þórolfsson Þ. Viðskiptavinum spöruð sporin. UT-blaðið 2007. Forsætisráðuneyti Íslands, Reykjavík 2007. www.utvefur.is/vidburdir/ut-2007/ut-bladid/nr/2630/.
21. Tryggingastofnun ríkisins (TR) (2008). Tryggur. Rafræn þjónusta TR. www.tr.is/frettir/nr/805/
22. Capacent ráðgjöf. Úttekt á framkvæmd stefnunnar um upplýsingasamfélagið 2004-2007. Auðlindir í allra þágu (Skýrsla). Forsætisráðuneytið, Reykjavík 2007 www.forsaetisraduneyti.is/media/Skyrslur/Utekt\_a\_stefnu\_-\_upplýsingasamfelagid\_20122007.pdf/
23. Heimisdóttir M. Faraldsfræði í dag (12). Sjúklingasamanburðarrannsóknir V. Úrvinnsla gagna og túlkun niðurstaðna. Læknaþlaðið 2001; 87: 945.
24. Commission of the European Communities, e-Health – making healthcare better for European citizens: An action plans for a European e-Health Area. SEC 2004; 539.

Haldórsdóttir G, Thoroddsen ÁS

## Access to Own Health Information and Services on the Internet by Disability Pensioners and Other Citizens

**Objective:** To study Icelandic citizens' perception, attitude and preferences regarding access to own health information and interactive services at the State Social Security Institute of Iceland (SSSI). Hypotheses regarding differences between disability pensioners and other citizens were put forward.

**Material and methods:** A descriptive mail survey was performed with a random sample from the Icelandic population, 1400 individuals, age 16 to 67, divided into two groups of 700 each: (1) persons entitled to disability pension (2) other citizens in Iceland. The questionnaire consisted of 56 questions, descriptive statistics were used and Chi square for comparison with 95% as confidence level of significance. Response rate was 34.9%.

**Keywords:** access, health information, health informatics, health consumer, internet service.

**Correspondence:** Gyða Haldórsdóttir, gyda@heilsunet.is

**Results:** Perception of rights to access own's health information was significantly higher by pensioners than other citizens. Attitude concerning impact of access was in general positive, with pensioners significantly more positive about effectiveness, perception of health, communication and decisions owing to services, access at SSSI, maintaining health records and controlling access.

**Conclusions:** The study, the first of its kind in Iceland, supports previous research. The results, as well as foreign models of research projects, are recommended to be used for evolution of electronic health services and researching employees' viewpoints. Future research in Iceland should address the impact of interactive health communication on quality of life, health and services' efficiency.

Barst: 12. júní 2008, - samþykkt til birtingar: 2. október 2008.