



Disinvestment & Early Awareness Interest Group — ALERTS

Issue 4, March 2020

Introduction

Welcome to the fourth issue of the alert for those interested in disinvestment and horizon scanning in health technology assessment. This alert is part of a collaborative effort by [HTAi](#), the [Norwegian Institute of Public Health](#), and [CADTH](#) to provide updates on new studies relevant to disinvestment, reassessment, early awareness and horizon scanning. Alerts are issued quarterly as part of a one-year pilot project that began in 2019. Members of the [Disinvestment & Early Awareness Interest Group](#) receive an email notification when new issues are posted on the [HTAi web site](#).

The intent of these alerts is not to identify specific technologies for disinvestment or early assessment, but rather to select papers on methods and issues, and broader forecasts of technologies that may be of interest. A second aim of the project is to reduce duplication of effort by providing current awareness that we hope will be relevant for many HTA agencies. The search strategies were drafted and peer reviewed by the Information Specialists for this pilot project and the search strategies are available upon request.

The references in this alert are selected from search results (for both disinvestment and for horizon scanning) from PubMed and Google. The publications in this fourth issue were selected from searches run in the period December 2019 to March 2020. Where the full publication is freely available the title is hyperlinked. Where a subscription is required, the PubMed id (PMID) is hyperlinked to the abstract in PubMed.

Your Feedback on these Alerts

We would like your comments on the value of these Alerts. Please let us know by pasting these two questions and your comments in an email to: Leigh-AnnT@cadth.ca:

- 1. Is this Alert providing you with information that is relevant or of interest for your work?
Yes/No**
- 2. Do you have any other feedback or suggestions for improving these Alerts?**

Disinvestment

Esandi ME, Gutiérrez-Ibarluzea I, Ibarгойen-Roteta N, Godman B. [An evidence-based framework for identifying technologies of no or low-added value \(NLVT\)](#). Int J Technol Assess Health Care. 2019 Dec 13:1-8.

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Grimshaw JM, Patey AM, Kirkham KR, Hall A, Dowling SK, Rodondi N, et al. [De-implementing wisely: developing the evidence base to reduce low-value care](#). BMJ Qual Saf. 2020 Feb 6.

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Johansson M, Bero L, Bonfill X, Bruschetti M, Garner S, Glenton C, et al. [Cochrane sustainable healthcare: evidence for action on too much medicine](#). Cochrane Database Syst Rev. 2019 Dec 6;12:ED000143.

[PubMed PMID: 31808554](#)

Moes F, Houwaart E, Delnoij D, Horstman K. [Collective constructions of 'waste': epistemic practices for disinvestment in the context of Dutch social health insurance](#). BMC Health Serv Res. 2019 Sep 5;19(1):633.

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Norton WE, Chambers DA. [Unpacking the complexities of de-implementing inappropriate health interventions](#). Implement Sci. 2020 Jan 9;15(1):2.

[PubMed PMID: 31915032](#)

Sawan M, Reeve E, Turner J, Todd A, Steinman MA, Petrovic M, Gnjidic D. **A systems approach to identifying the challenges of implementing deprescribing in older adults across different health care settings and countries: a narrative review**. Expert Rev Clin Pharmacol. 2020 Feb 27:1-13.

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Sipilä R, Mäkelä M, Komulainen J. [Highlighting the need for de-implementation - Choosing Wisely](#)

[recommendations based on clinical practice guidelines](#). BMC Health Serv Res. 2019 Sep 5;19(1):638.

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Horizon Scanning

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Brooks BW, Gerding JA, Landeen E, Bradley E, Callahan T, Cushing S, et al. [Environmental health practice challenges and research needs for U.S. health departments](#). Environ Health Perspect. 2019 Dec;127(12):125001.

[PubMed PMID: 31799881](#)

Cutler DM. [Early returns from the era of precision medicine](#). JAMA. 2020 Jan 14;323(2):109-110.

[PubMed PMID: 31935015](#)

de Ruiter HP, Skärsäter I. **Introducing a future-oriented approach to health-care technologies and welfare policies: an innovative ethics project in Sweden**. Creat Nurs. 2020 Feb 1;26(1):e35-e39.

[PubMed PMID: 32024746](#)

Didyuk O, Econom N, Guardia A, Livingston K, Klueh U. **Continuous glucose monitoring devices: past, present, and future focus on the history and evolution of technological innovation**. J Diabetes Sci Technol. 2020 Jan 13.

[PubMed PMID: 31931614](#).

Gomes PTC, Mata VE, Borges TC, Galato D. [Horizon scanning in Brazil: outputs and repercussions](#). Rev Saude Publica. 2019 Nov 28;53:111.

English and Portuguese.

[PubMed PMID: 31800908](#)

Greaves RF, Bernardini S, Ferrari M, Fortina P, Gouget B, Gruson D, et al. **Key questions about the future of laboratory medicine in the next decade of the 21st century: a report from the IFCC-Emerging Technologies Division.** Clin Chim Acta. 2019 Aug;495:570-589.
[PubMed PMID: 31145895](#)

Handa N, Mochizuki S, Fujiwara Y, Shimokawa M, Wakao R, Arai H. **Future development of artificial organs related with cutting edge emerging technology and their regulatory assessment: PMDA's perspective.** J Artif Organs. 2020 Feb 28.
[PubMed PMID: 32112156](#)

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Lehoux P, Roncarolo F, Silva H, Boivin A, Denis JL, Hebert R. [Revisiting the relationship between systems of innovation and health systems: a response to recent commentaries.](#) Int J Health Policy Manag. 2020 Jan 1;9(1):45-46.
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Lewis SJ, Gandomkar Z, Brennan PC. [Artificial intelligence in medical imaging practice: looking to the future.](#) J Med Radiat Sci. 2019 Dec;66(4):292-295.
[PubMed PMID: 31709775](#)

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[PubMed PMID: 31099626](#)

Manero A, Smith P, Sparkman J, Dombrowski M, Courbin D, Kester A, et al. [Implementation of 3D printing technology in the field of prosthetics: past, present, and future.](#) Int J Environ Res Public Health. 2019 May 10;16(9). pii: E1641.
[PubMed PMID: 31083479](#)

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[PubMed PMID: 32013670](#)

Morganti S, Tarantino P, Ferraro E, D'Amico P, Duso BA, Curigliano G. **Next generation sequencing (NGS): a revolutionary technology in pharmacogenomics and personalized medicine in cancer.** Adv Exp Med Biol. 2019;1168:9-30.
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Sapci AH, Sapci HA. [Innovative assisted living tools, remote monitoring technologies, artificial intelligence driven solutions, and robotic systems for aging societies: systematic review.](#) JMIR Aging. 2019 Nov 29;2(2):e15429.
[PubMed PMID: 31782740](#)

Skaria R, Satam P, Khalpey Z. **Opportunities and challenges of disruptive innovation in medicine using artificial intelligence.** Am J Med. 2020 Jan 22.
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Sparrow R, Hatherley J. [High hopes for "deep medicine"? AI, economics, and the future of care.](#) Hastings Cent Rep. 2020 Jan;50(1):14-17.
[PubMed PMID: 32068275](#)

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[PubMed PMID: 31730038](#)

Tully J, Dameff C, Longhurst CA. **Wave of wearables: clinical management of patients and the future of connected medicine.** Clin Lab Med. 2020 Mar;40(1):69-82.
[PubMed PMID: 32008641](#)

Van Velthoven MH, Cordon C. [Sustainable adoption of digital health innovations: perspectives from a stakeholder workshop.](#) J Med Internet Res. 2019 Mar 25;21(3):e11922.
[PubMed PMID: 30907734](#)

Reports

Agashe VR. [Market access for cell and gene therapies in key European countries.](#) HTA Quarterly 2019;(Oct 29).

[AI and care delivery.](#) Chicago, IL: American Hospital Association, Center for Health Innovation; 2019.

Hulshizer R, Carlson D, Cuevas C, et al. [PCORI Health care horizon scanning system: high potential disruption report.](#) (Prepared by ECRI Institute). Washington, DC: PCORI; November 2019.

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Maloney MA. [Health technology reassessment frameworks.](#) Hamilton, ON: McMaster University, Doctoral dissertation; 2019.

[Medgadget's best medical technologies of 2019.](#) Wixom, MI: Medgadget, Inc; 2019.

We welcome your comments on this alert and suggestions of publications to include in the next issue. Please send them to Leigh-Ann Topfer, CADTH, email: leigh-annt@cadth.ca

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