

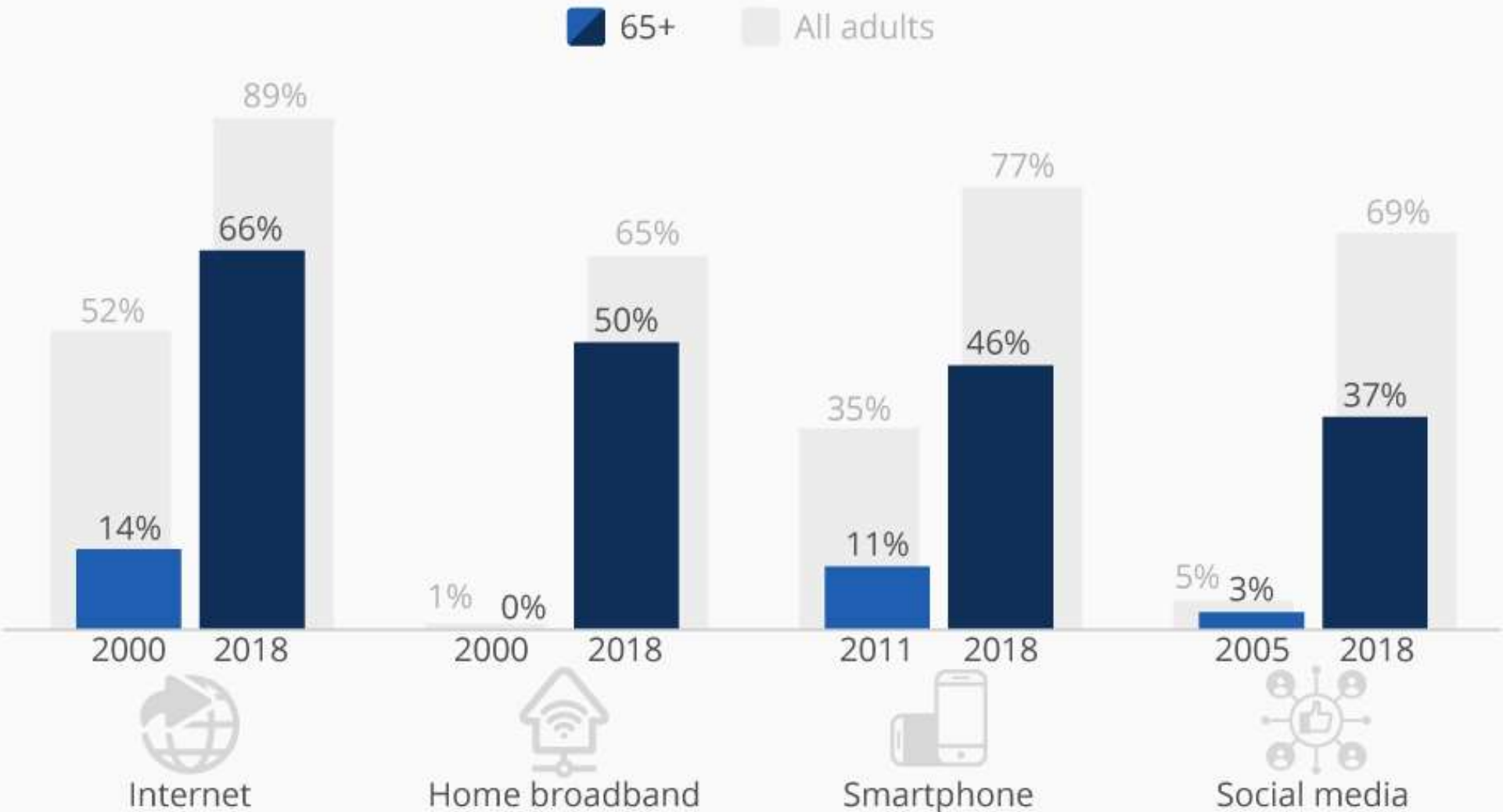


Einleitende Gedanken

Sicht der Wissenschaft

U.S. Seniors No Longer Disconnected From the Digital World

% of U.S. adults who own/use the following devices and services, by age group



@StatistaCharts Source: Pew Research Center



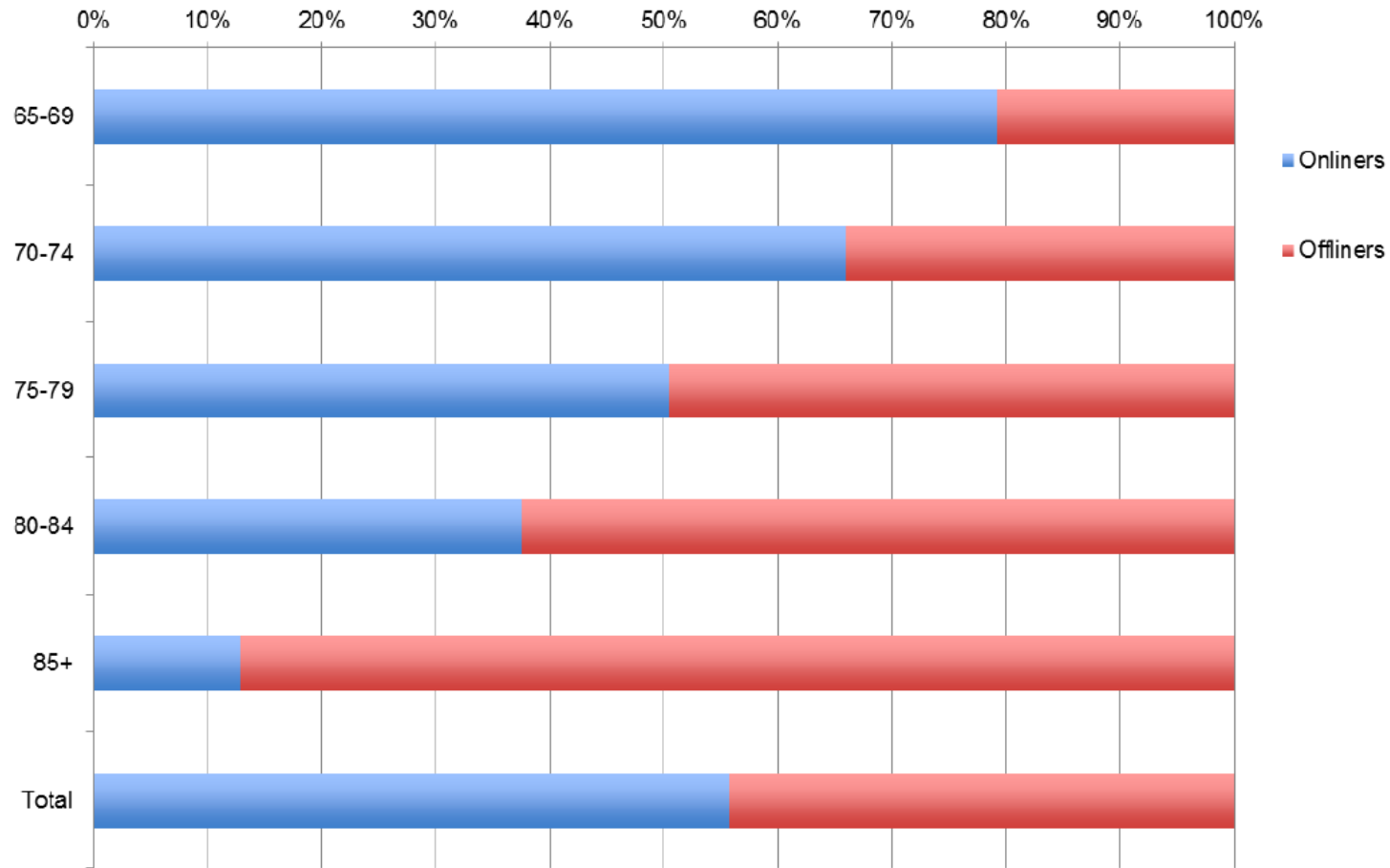


Fig. 1 : Taux d'utilisateurs par groupes d'âge (données pondérées, n = 1037, étude 2015)



<https://www.prosenectute.ch/de/dienstleistungen/publikationen/studien/digitale-senioren.html>

TECH

Apple Dives Into Complex Field: Your Medical Records

Update to operating system for iPhones and iPads to include a new 'Health Records' feature



Apple Health's new app interface. PHOTO: APPLE

By *Tripp Mickle*

26 COMMENTS

Updated Jan. 24, 2018 8:13 p.m. ET

With its leap into the electronic health-records field, Apple Inc. is trying to solve a problem that has vexed tech companies for years: simplifying disparate networks of medical information and putting

The New York Times

TECHNOLOGY

Amazon, Berkshire Hathaway and JPMorgan Team Up to Try to Disrupt Health Care

By NICK WINGFIELD, KATE THOMAS and REED ABERNETHY JAN. 24, 2018



Employees at an Amazon warehouse in Phoenix, Ariz. The company will join forces with Berkshire Hathaway and JPMorgan Chase to try to disrupt health care, since ranked as the No. 100 U.S. firm.

SEATTLE — Three corporate behemoths — Amazon, Berkshire Hathaway and JPMorgan Chase — announced on Tuesday that they would form an independent health care company for their employees in the United States.

The alliance was a sign of just how frustrated American businesses are with the state of the nation's health care system and the rapidly spiraling cost of medical treatment. It also caused further turmoil in an industry reeling from attempts by new players to attack a notoriously inefficient, intractable web of doctors, hospitals, insurers and pharmaceutical companies.

LOGIN

INFORMATION IMPORTANTE

Si vous n'avez pas encore configuré un accès mobile avec mTAN (code reçu par SMS), vous devez d'abord faire un login avec une carte à puce.

Ensuite, vous pouvez installer le Login Mobile (mTAN) sous «Paramètres / Logins / Ajouter un nouveau login».

LOGIN MOBILE (MTAN)

S'il vous plaît commencez par entrer votre nom d'utilisateur et mot de passe.

Nom d'utilisateur

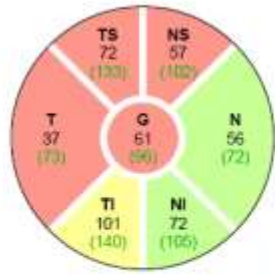
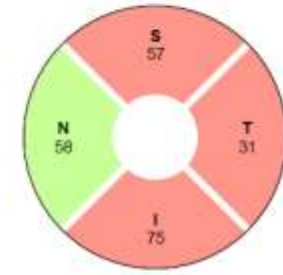
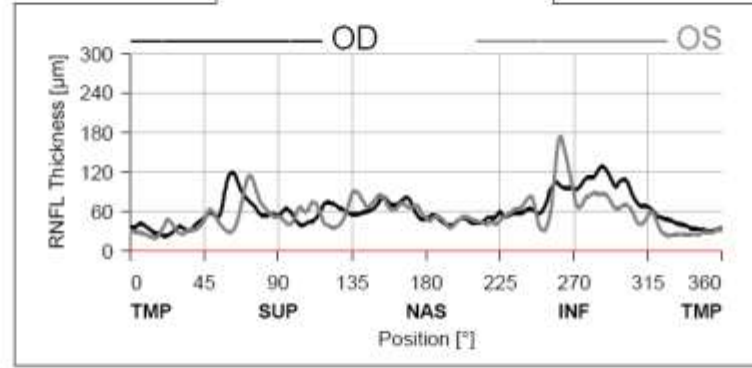
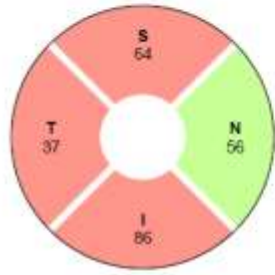
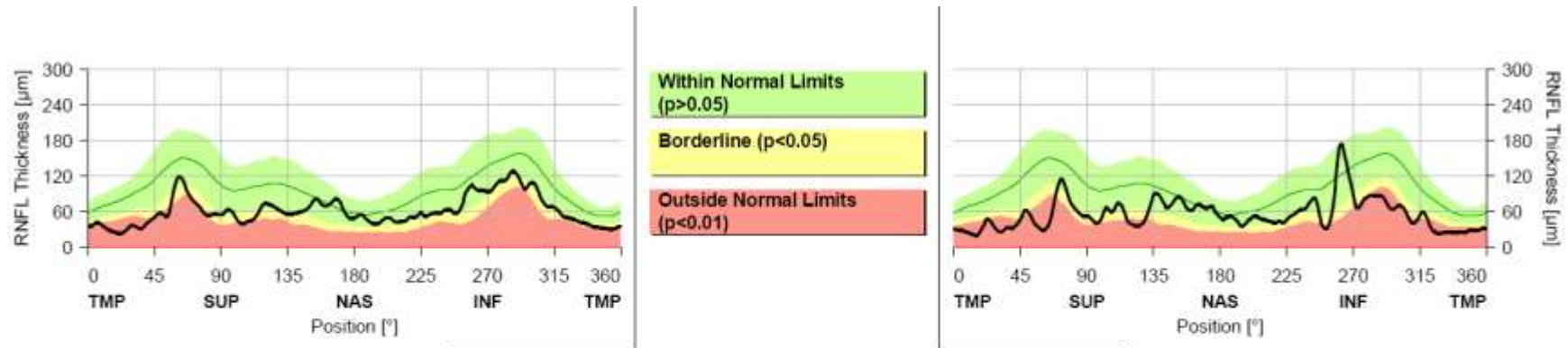
Mot de passe

LOGIN

AUTRES OPTIONS DE CONNEXION

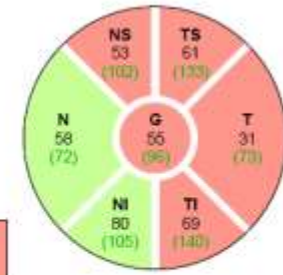
Remarque: pour vous connecter avec votre carte à puce, veuillez d'abord introduire la carte dans le lecteur puis cliquer à l'écran sur le logo correspondant à votre type de carte.





Classification OD
Outside Normal Limits

Classification OS
Outside Normal Limits





TOPOL The Creative Destruction of Medicine

Tweets 13,1 k Abonnements 401 Abonnés 113 k J'aime 7 265

Eric Topol @EricTopol

physician-scientist, author, editor

La Jolla, CA

stsiweb.org

Inscrit en novembre 2009

Tweeter

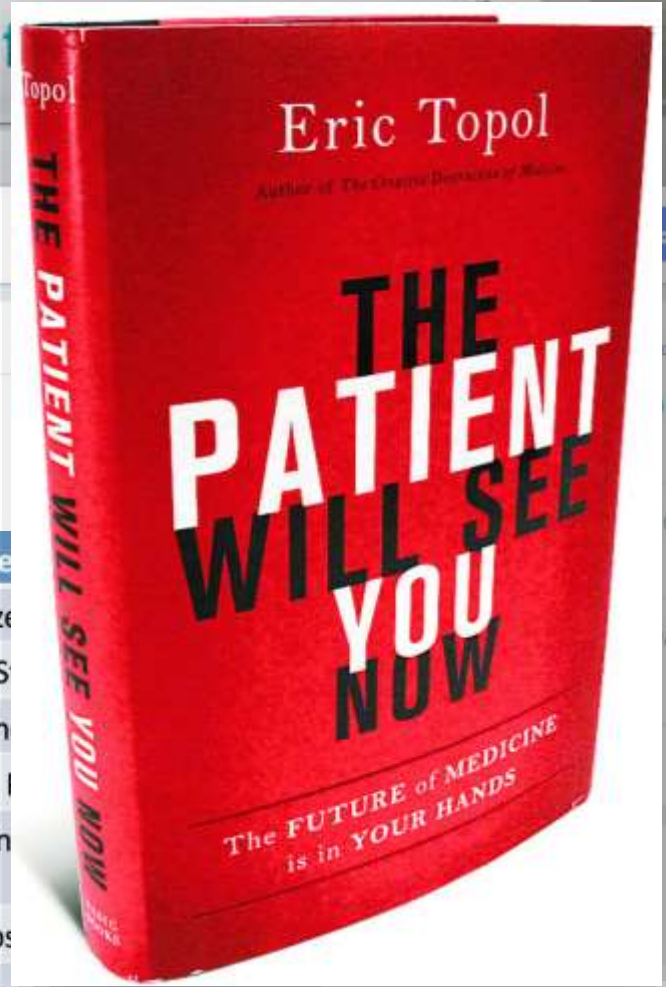
7 Abonnés que vous connaissez



Tweets Tweets & réponses Médias

Tweet épinglé Eric Topol @EricTopol - 28 févr. 2015 Some features contrasting old and new medicine À l'origine en anglais

Old Medicine	New Medicine
Population-Based	Individualized
One-Off, Doctor's Office	Real-Time S
Doctor Ordered Data	Patient Gen
Doctor's Notes, Unshared	Our Notes, I
Information Owned by Doctors and Hospitals	Information Owner
Expensive, Big-Ticket Tech	Cheap Chips
Data Limited	Panoromic



onné out afficher @dani... @kevin... Atul_G...



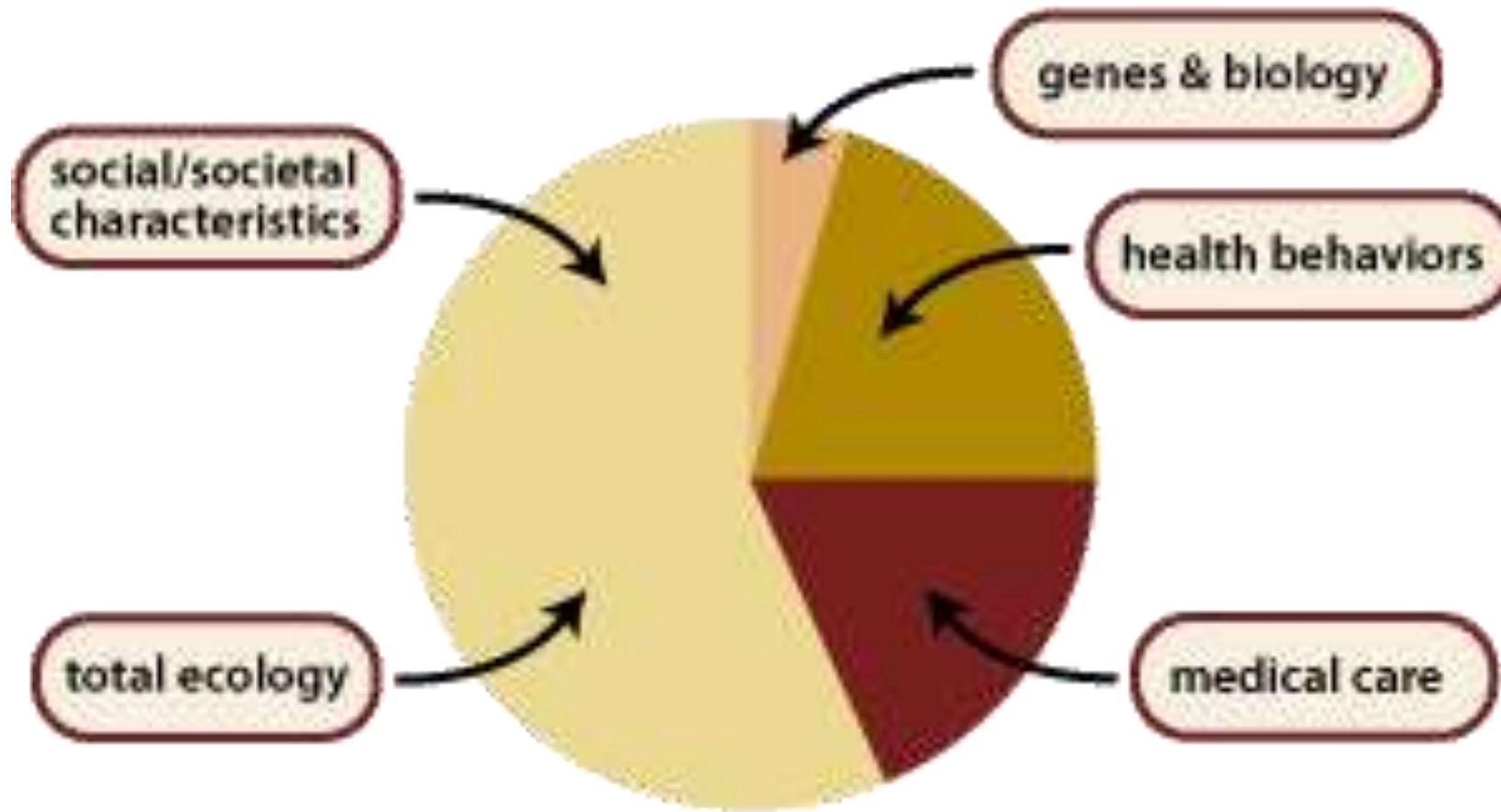
Tilly Lockey survived group B meningococcal septicemia meningitis. She had both hands amputated to the wrists



<https://www.facebook.com/TillyLockey/>



DETERMINANTS OF POPULATION HEALTH



Tarlov, A.R., Public Policy Frameworks for Improving Population Health. Annals of the New York Academy of Sciences, 1999. 896(SOCIOECONOMIC STATUS AND HEALTH IN INDUSTRIAL NATIONS: SOCIAL, PSYCHOLOGICAL, AND BIOLOGICAL PATHWAYS): p. 281-293.

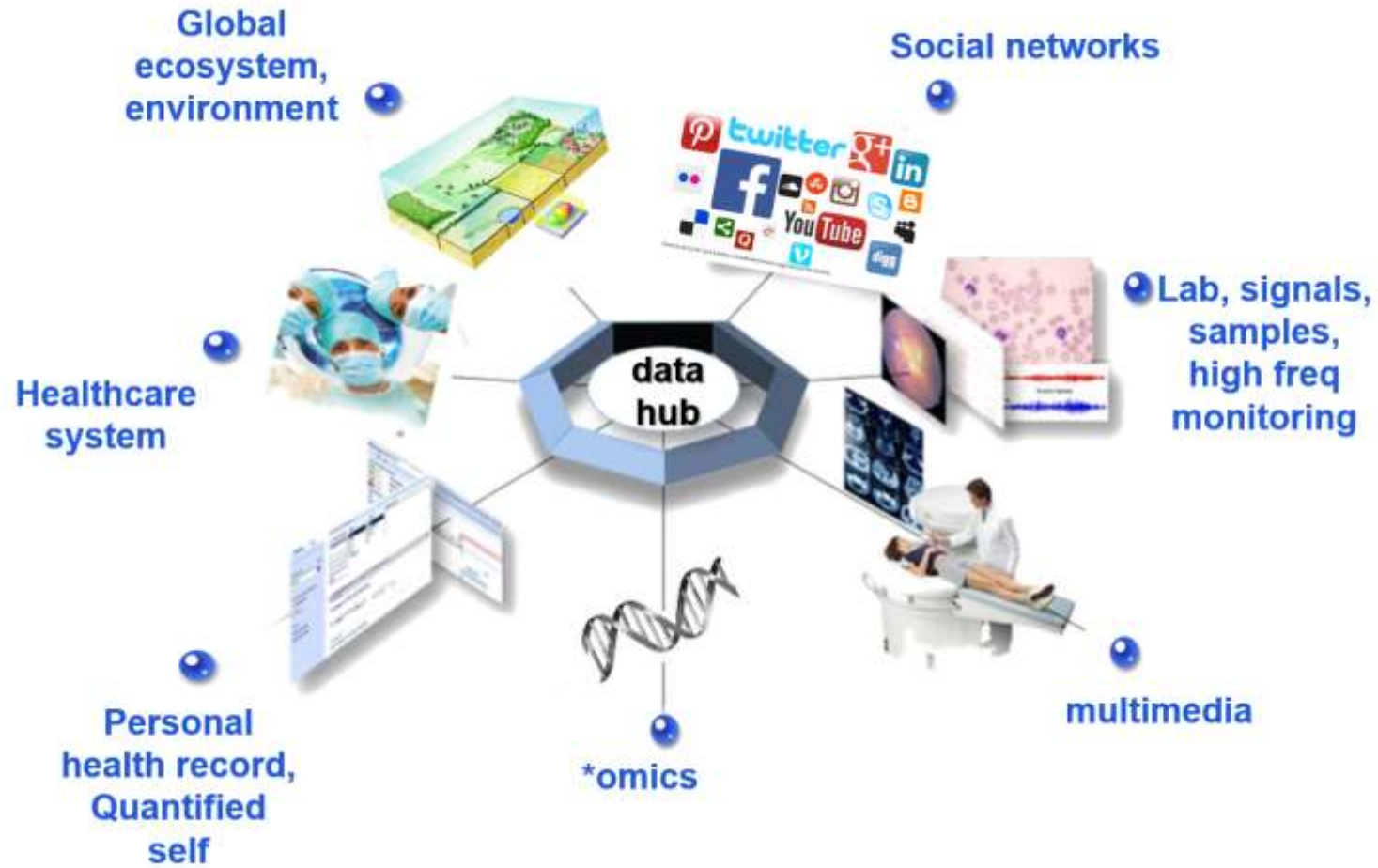
— GENÈVE DANS SA DIMENSION DYNAMIQUE —

VILLE VIVANTE



<https://villevivante.ch/fr/>

MULTIMODAL – HETEROGENOUS - DISTRIBUTED







MENU ▾

nature
biomedical engineering

Article Published: 30 January 2017

An artificial intelligence platform for the multihospital collaborative management of congenital cataracts

Erping Long, Haotian Lin , Zhenzhen Liu, Xiaohang Wu, Liming Wang, Jiewei Jiang, Yingying An, Zhuoling Lin, Xiaoyan Li, Jingjing Chen, Jing Li, Qianzhong Cao, Dongni Wang, Xiyang Liu, Weirong Chen & Yizhi Liu 



Research Paper

Diagnostic Efficacy and Therapeutic Decision-making Capacity of an Artificial Intelligence Platform for Childhood Cataracts in Eye Clinics: A Multicentre Randomized Controlled Trial

2019

Findings: Between August 9, 2017 and May 25, 2018, 350 participants (700 eyes) were randomly assigned for diagnosis by CC-Cruiser (350 eyes) or senior consultants (350 eyes). The accuracies of cataract diagnosis and treatment determination were 87.4% and 70.8%, respectively, for CC-Cruiser, which were significantly lower than 99.1% and 96.7%, respectively, for senior consultants ($p < 0.001$, OR = 0.06 [95% CI 0.02 to 0.19]; and $p < 0.001$, OR = 0.08 [95% CI 0.03 to 0.25], respectively). The mean time for receiving a diagnosis from CC-Cruiser was 2.79 min, which was significantly less than 8.53 min for senior consultants ($p < 0.001$, mean difference 5.74 [95% CI 5.43 to 6.05]). The patients were satisfied with the overall medical service quality provided by CC-Cruiser, typically with its time-saving feature in cataract diagnosis.

Interpretation: CC-Cruiser exhibited less accurate performance comparing to senior consultants in diagnosing childhood cataracts and making treatment decisions. However, the medical service provided by CC-Cruiser

$$\min_G \max_D V(D, G)$$

$$V(D, G) = \mathbb{E}_{x \sim p_{data}(x)} [\log D(x)] + \mathbb{E}_{z \sim p_z(z)} [\log(1 - D(G(z)))]$$

Goodfellow I, Pouget-Abadie J, Mirza M, Xu B, Warde-Farley D, Ozair S, et al. Generative Adversarial Nets. In: Ghahramani Z, Welling M, Cortes C, Lawrence ND, Weinberger KQ, editors. Advances in Neural Information Processing Systems 27 [Internet]. Curran Associates, Inc.; 2014 [cited 2019 Jan 8]. p. 2672–2680. Available from: <http://papers.nips.cc/paper/5423-generative-adversarial-nets.pdf>

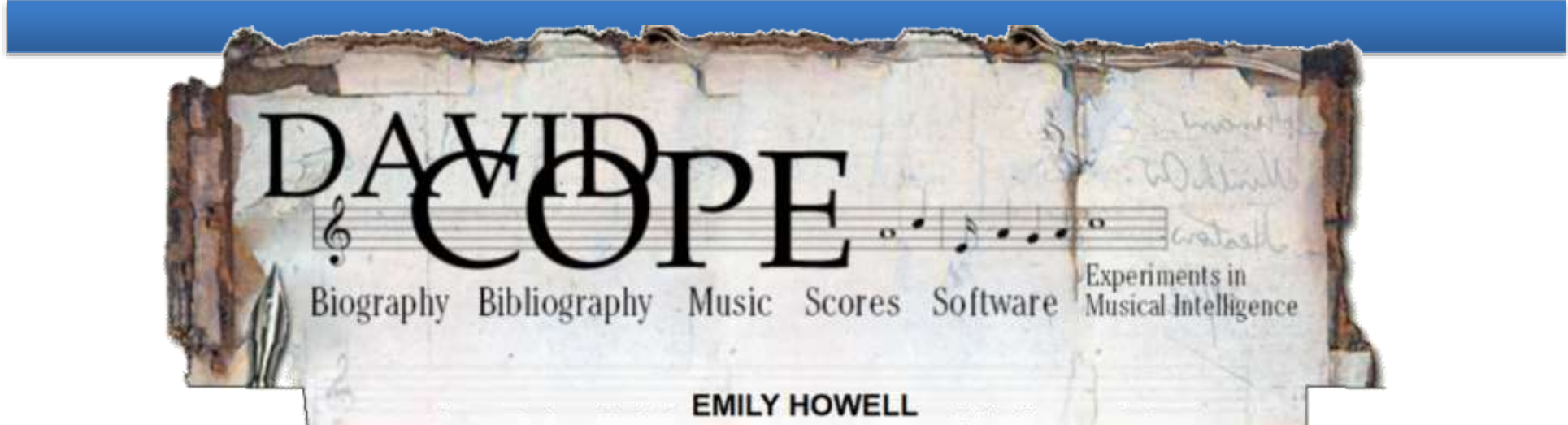


Octobre 2018, Christie's London, 432'500 USD

Le Portrait d'Edmond de Bellamy

Obvious, collectif d'artistes français: Hugo Caselles-Dupré, Pierre Fautrl, Gauthier Vernier

<https://obvious-art.com/edmond-de-belamy.html>



Bach style chorale



Emmy Vivaldi



Emmy Beethoven beg 2



Intelligence artificielle en musique

Expériences

David Cope, The Emily Howell project

THE LANCET

Volume 392 | Number 10142 | Pages 92-186 | July 14-20, 2018

www.thelancet.com

“Continuing to argue for digital exceptionalism and failing to robustly evaluate digital health interventions presents the greatest risk for patients and health systems.”

See Editorial page 95

Editorial

Food security in the Middle East and north Africa
See page 95

Articles

Pembrolizumab versus paclitaxel for advanced gastric or gastro-oesophageal junction cancer
See page 111

Articles

Continuing versus withholding adjuvant trastuzumab in non-radiographic axillary spandylomyelitis
See page 164

Articles

Community-acquired serous infections among young children in south Asia
See page 171

Seminar

Acute rheumatic fever
See page 184

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14 July 2018
Volume 392, Issue 10142

A Systematic Review of Re-Identification Attacks on Health Data

Khaled El Emam^{1,2*}, Elizabeth Jonker¹, Luk Arbuckle¹, Bradley Malin^{3,4}

December 2011 | Volume 6 | Issue 12 | e28071

1 Electronic Health Information Laboratory, CHEO Research Institute, Ottawa, Canada, **2** Department of Paediatrics, University of Ottawa, Ottawa, Canada, **3** Department of Biomedical Informatics, Vanderbilt University, Nashville, Tennessee, United States of America, **4** Department of Electrical Engineering and Computer Science, Vanderbilt University, Nashville, Tennessee, United States of America

[Elife](#). 2017 Nov 28;6. pii: e27798. doi: 10.7554/eLife.27798.

Rapid re-identification of human samples using portable DNA sequencing.

[Zaaijer S](#)^{1,2}, [Gordon A](#)², [Speyer D](#)^{1,2}, [Piccone R](#)³, [Groen SC](#)⁴, [Erlich Y](#)^{1,2,5}.

[J Bioeth Inq](#). 2017 Sep 14. doi: 10.1007/s11673-017-9806-9. [Epub ahead of print]

Criminal Prohibition of Wrongful Re-identification: Legal Solution or Minefield for Big Data?

[Phillips M](#)¹, [Dove ES](#)², [Knoppers BM](#)³.

**Medical
Robotist**



**End-of-life
Therapist**



**Health
Care
Navigator**



**Genetic
Counselor**



**Personal
Risk
Manager**



**Custom
Implant
Organ
Designer**



**Cryopreservation
Specialist**



Implants manager



Gene artist





UNINVITED GUESTS



COMMISSIONER	THINGTANK
YEAR	2015
TEAM	ANAB JAIN, JON ARDERN, JONATHAN FLINT, ALEXANDRA FRUHSTORFER
ACTOR	JAMES LEAHY

Thomas, aged 70, lives on his own after his wife died last year. His children send him smart devices to track and monitor his diet, health and sleep from a distance.

<http://superflux.in/index.php/work/uninvited-guests/#>

