

39

Name of Journal: *World Journal of Gastroenterology***Manuscript NO:** 61516**Manuscript Type:** MINIREVIEWS

Emerging wearable technology applications in gastroenterology: A review of the literature

Kimberly PL Chong, Benjamin KP Woo

Abstract

The field of gastroenterology has recently seen a surge in wearable technology to monitor physical activity, sleep quality, pain, and even gut activity. The past decade has seen the emergence of wearable devices including Fitbit, Apple Watch, AbStats, and ingestible sensors. In this review, we discuss current and future devices designed to measure sweat biomarkers, steps taken, sleep

Match Overview

1	Crossref 100 words Furrukh Sana, Eric M. Isselbacher, Jagmeet P. Singh, E. Kevin Heist, Bhupesh Pathik, Antonis A. Armoundas. "Wear...	2%
2	Internet 97 words www.ncbi.nlm.nih.gov	2%
3	Internet 71 words crawled on 12-Apr-2020 www.mdpi.com	2%
4	Internet 65 words crawled on 14-Jan-2020 www.nature.com	1%
5	Crossref 65 words Robert P. Hirten, Stephanie Stanley, Matteo Danieletto, Zachary Borman et al. "Wearable Devices Are Well Accepted b	1%
6	Crossref 60 words Monica M. Dua, Anand Navalgund, Steve Axelrod, Lindsay Axelrod et al. "Monitoring gastric myoelectric activity after pan	1%
7	Internet 51 words crawled on 04-Oct-2020 pubmed.ncbi.nlm.nih.gov	1%
8	Internet 49 words	10%

Emerging wearable technology applications in gastroenterology: A



ALL

IMAGES

VIDEOS

149,000 Results

Any time ▾

Wearable Technology Applications in Healthcare: A ...

<https://www.himss.org/resources/wearable...> ▾

Abstract

Introduction

Results

Discussion

Future Trends



Wearable technologies can be innovative solutions for healthcare problems. In this study, we conducted a literature review of wearable technology applications in healthcare. Some wearable technology applications are designed for prevention of **diseases** and **maintenance of health**, such as weight control and physical activity monitoring. Wearable devices are also used for patient management and diseases...

[See more on himss.org](#)

Literature on Wearable Technology for Connected Health ...

<https://pubmed.ncbi.nlm.nih.gov/31489843>

Background: **Wearable** sensing and information and communication **technologies** are key enablers driving the transformation of health care delivery toward a new model of connected health (CH) care. The advances in **wearable technologies** in the last decade are evidenced in a plethora of original articles, patent documentation, and focused systematic **reviews**.

Cited by: 20

Author: Tatjana Loncar-Turukalo, Eftim Zdrav...

Publish Year: 2019

(PDF) WEARABLE TECHNOLOGIES AND ITS FUTURE ...

<https://www.researchgate.net/publication/275580004...>

May 01, 2015 In the **literature**, there is no clear definition pertaining ... **Applications** and

[ALL](#)
[IMAGES](#)
[VIDEOS](#)
[MAPS](#)
[NEWS](#)
[SHOPPING](#)

154,000 Results Any time ▾

Wearable Technology Applications in Healthcare: A ...

<https://www.himss.org/resources/wearable...> ▾

Abstract

Introduction

Results

Discussion

Future Trends



Wearable technologies can be innovative solutions for healthcare problems. In this study, we conducted a literature review of wearable technology applications in healthcare. Some wearable technology applications are designed for prevention of diseases and maintenance of health, such as weight control and physical activity monitoring. Wearable devices are also used for patient management and disease management. The wearable ...

[See more on himss.org](#)

EXPLORE FURTHER

Wearables: Pros and Cons of **Wearable Health Technology**

[healthtechmagazine.net](#)

All You Need To Know About **Wearable Technology** in Healthcare

[www.intellectsoft.net](#)

Big Data and **Wearable Health Monitors**: Harnessing the ...

[healthinformatics.uic.edu](#)

Wearable Device - an overview | ScienceDirect Topics

[www.sciencedirect.com](#)

Improving Your Health With **Wearable Technology**

[www.aarp.org](#)

Recommended to you based on what's popular • [Feedback](#)

Literature on Wearable Technology for Connected Health ...

<https://pubmed.ncbi.nlm.nih.gov/31489843>

Background: **Wearable** sensing and information and communication **technologies** are key enablers driving the transformation of health care delivery toward a new model of connected health (CH) care. The advances in **wearable technologies** in the last decade are evidenced in a plethora of original articles, patent documentation, and focused systematic **reviews**.

Cited by: 22

Author: Tatjana Loncar-Turukalo, Eftim Zdravevski, ...

Publish Year: 2019

(PDF) WEARABLE TECHNOLOGIES AND ITS FUTURE ...


<https://www.researchgate.net/publication/275580004...>

May 01, 2015 · In the **literature**, there is no clear definition pertaining ... **Applications** and **Emerging T** ... structures with **technology** and communications for **wearable technologies**. Part three **reviews** the types

Wearable Technology



Wearable technology, wearables, fashion technology, smartwear, tech togs, skin electronics or fashion electronics are smart electronic devices (electronic device with micro-controllers) that are worn close to and/or on the surface of the skin, where they det... +

 [Wikipedia](#)

Academic conferences: [WearAutoUI 2014](#) · [ICCOTWT 2016](#) · [Gerontechnology and e-Therapy 2015](#) · [ASGA4Health 2015](#) +

People also search for

[See all \(10+\)](#)



Internet of Things



Wearable Computer



Smartglas...



Activity Tracker



E-textiles

Data from: [Wikipedia](#)

[Wikipedia text under CC-BY-SA license](#)

[Suggest an edit](#)