


Conference for General Practice

E-health: Technology is changing – are you?

27th July 2017

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Deputy CT&DSO eHealth

The future we want



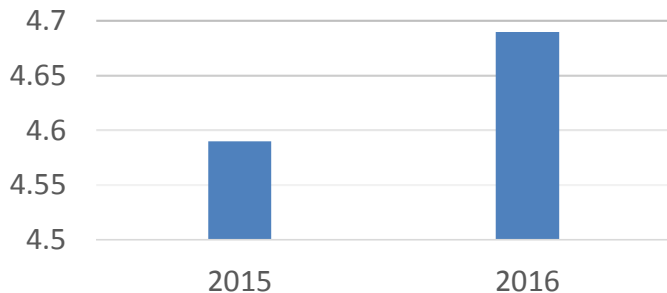
All New Zealanders **live well, stay well, get well**, in a system that is **people-powered**, provides services **closer to home**, is designed for **value and high performance**, and works as **one team** in a **smart system**.

“The health sector will need to be adaptable in coming years as developing technology changes how services can be delivered in ways we do not yet understand.”

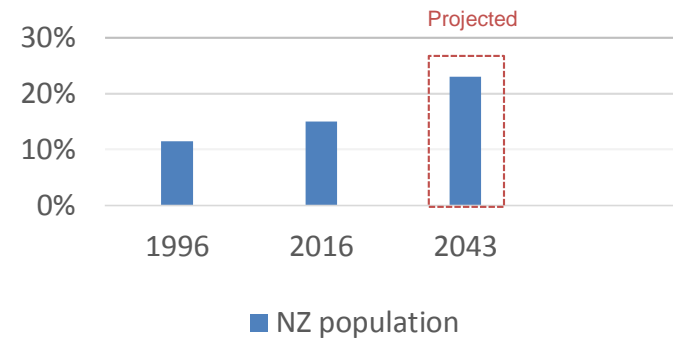
Minister of Health 2016

NZ Demographics

Population size



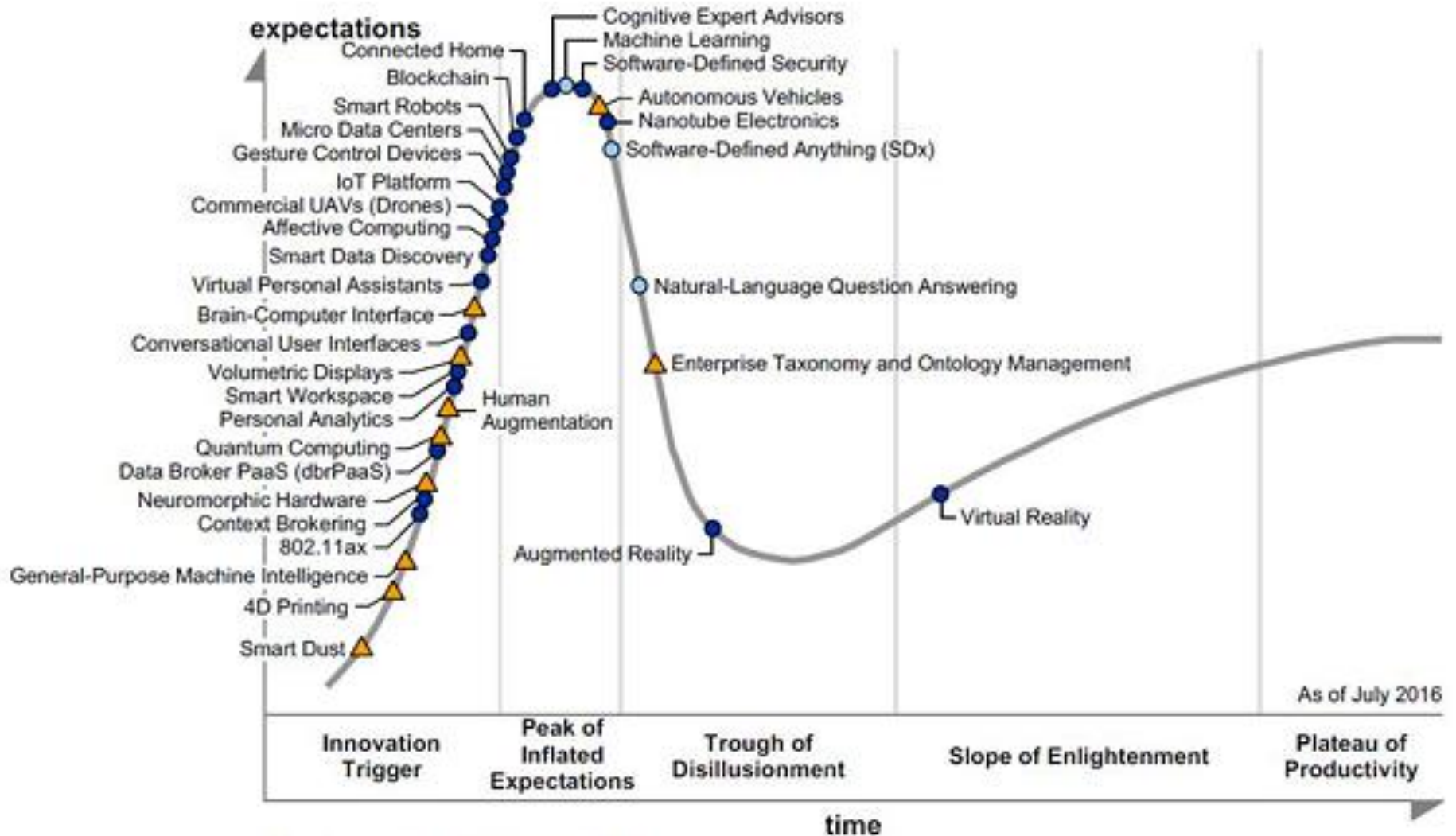
Mean Age 65+



- In 2016, the population grew by 97,300 or 2%
- In 2016 the 65+ population had increased to 15% (1996 – 11.5%)
- The 65+ population is projected to reach 23% by 2043
- In 2016 the % of population aged 15-39 was 33.7% (1996 – 38.4%)
- NZ median age is 37 and rising

Workforce

- **65% of today's schoolchildren...employed in jobs... yet to be created.** (U.S. Department of Labor report)
- **By 2029 robots will have reached human levels of intelligence** (Ray Kurzweil, director of engineering at Google)
- **33% of jobs will be replaced by software, robots, and smart machines by 2025.** (Gartner)



Technology enabled future

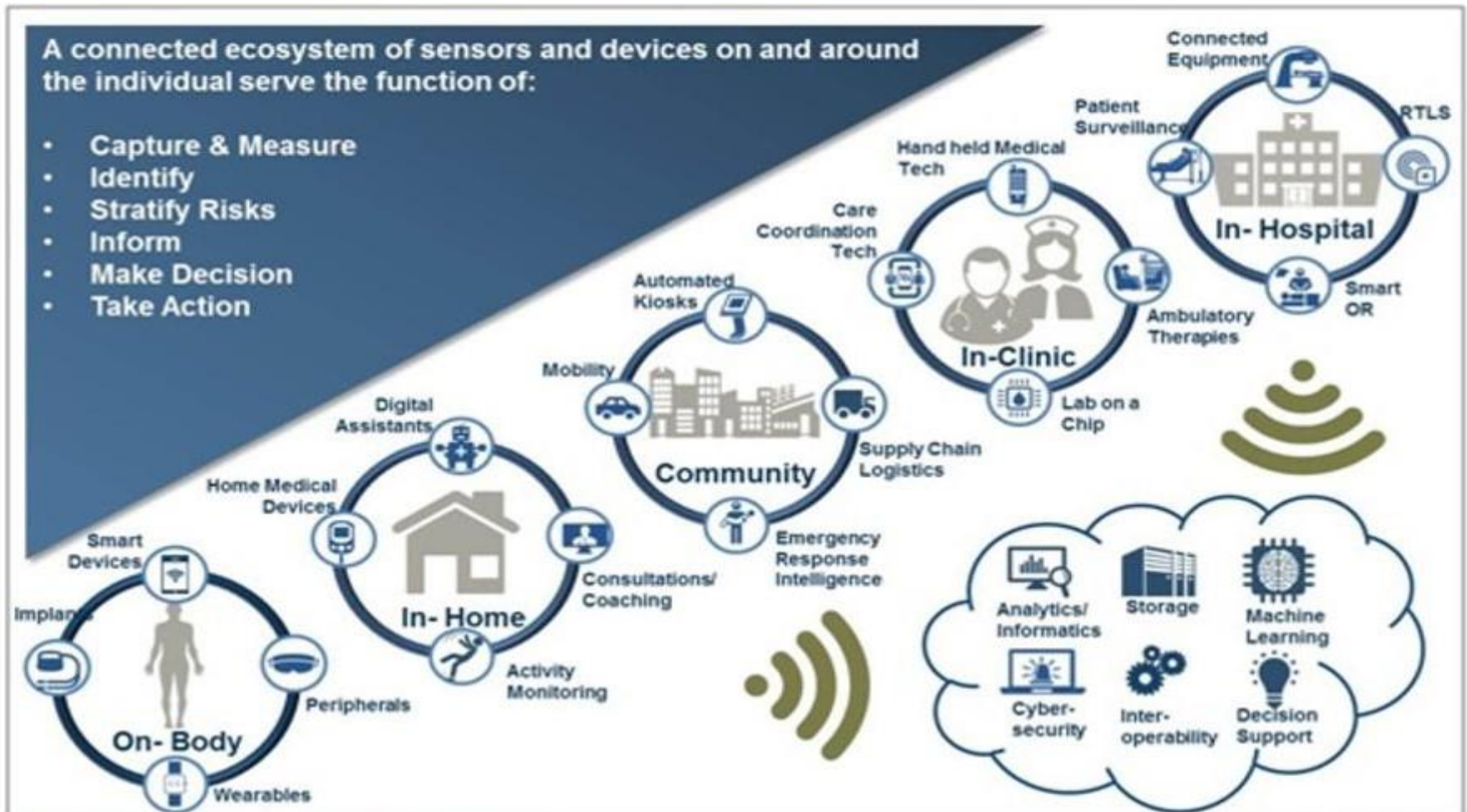
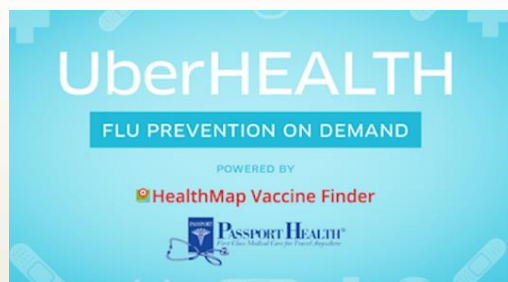
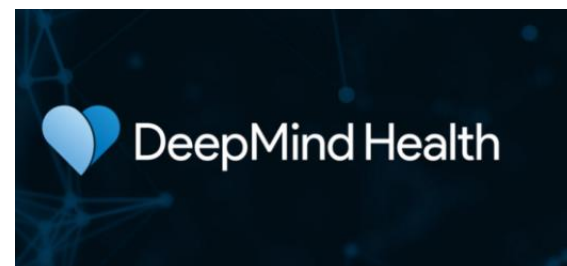
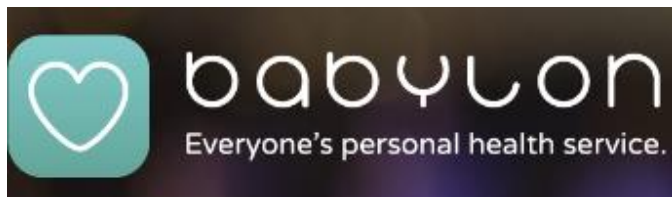


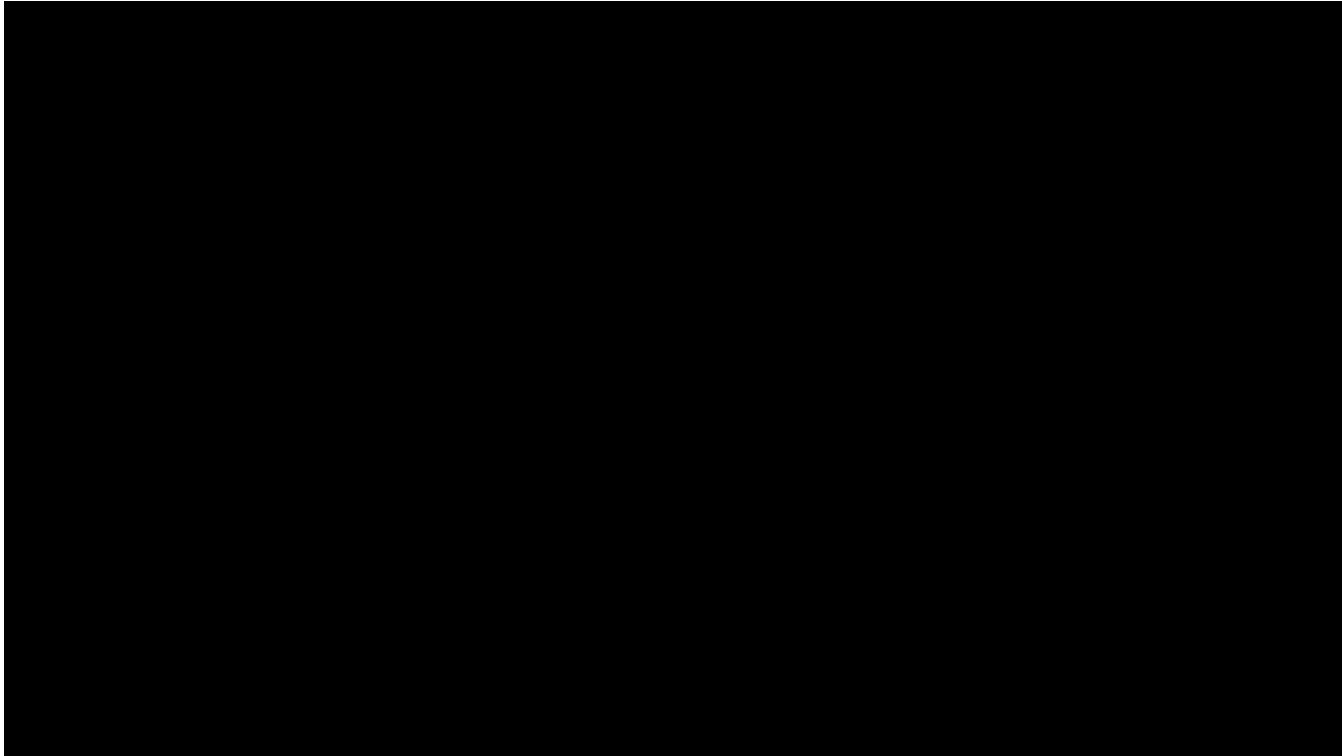
Figure 1: Healthcare World in 2025

Source: Frost & Sullivan



The future is here





Ministry of Health response

T&DS Transformation



To be internationally recognised as a digital leader and employer of choice by delivering excellent service and strategic sector leadership; having a reputation for being responsive, agile, embracing innovation and change and providing a fun, fast-paced and challenging place to work

T&DS Team Member

Future leaders need to understand



Systems thinking

Strategic conversations

Agile in thinking and actions

Manage chaos and complexity

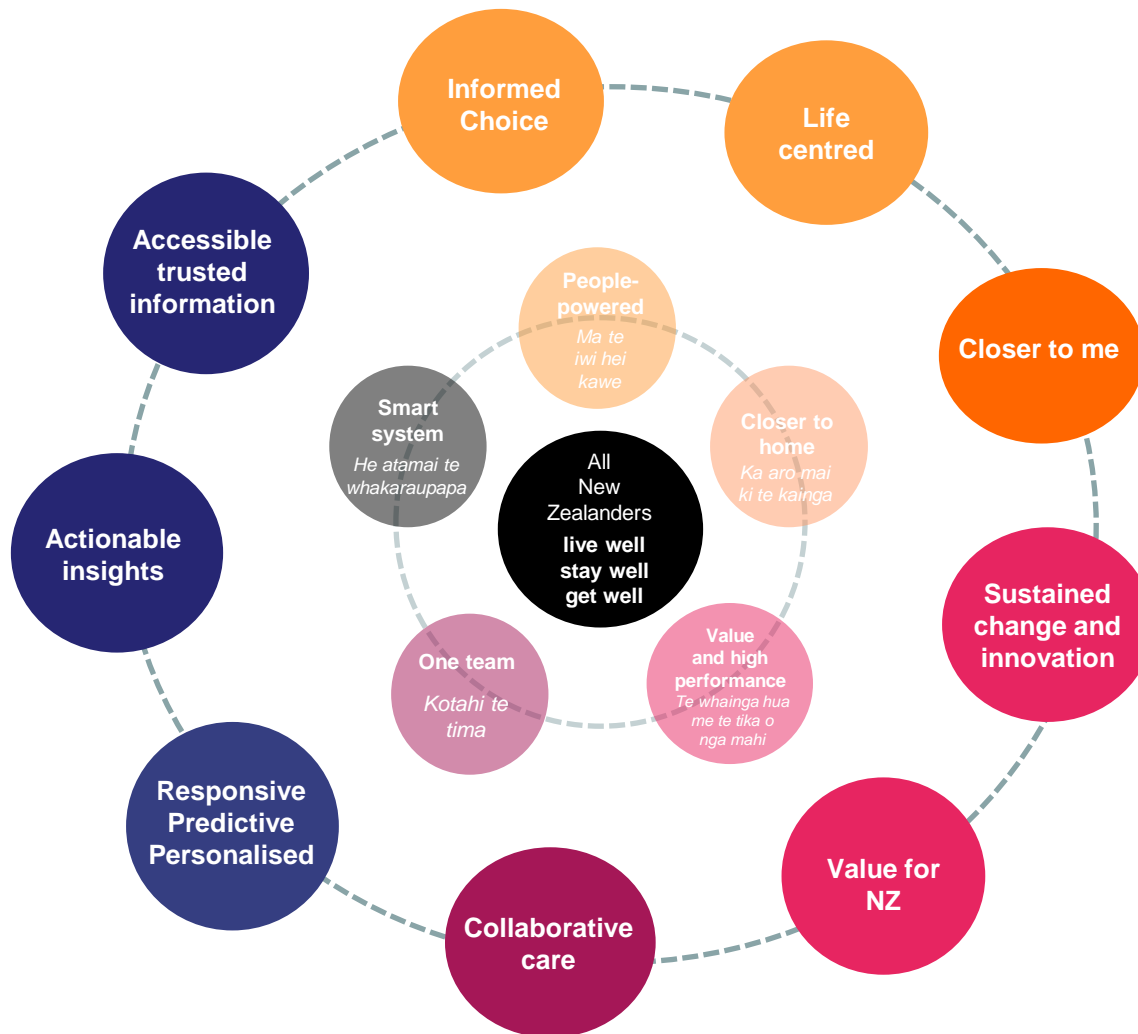
Instilling enough stability to ensure smooth daily operations

New Zealand Health Technology 2026

A Living Vision

New Zealand Health Technology: A Living Vision

Transforming the way New Zealanders live



In 2026 I make **informed choices** about the health and social services that I require, and how I want to access them.

I have **accessible, trusted information** available to me and which I choose to make available to my support networks.

I am part of multiple **collaborative care** communities of my whanau, communities, health and wellness services and some cool enabling technology.

Its all about a **life centred** approach. Services are delivered **closer to me** - conveniently when, where and how I want them. Services are **responsive, predictive and personalized** to best meet my unique needs.

I also know that my information is being used to provide **actionable insights** to maximize the **value for NZ** by addressing inequities and helping all New Zealanders.

The services available to me are improving all the time - New Zealand really is leading the world in driving **sustained change and innovation**.

Somewhere in 2025....

- Martin had started a new job in a different town
- He used the health chatbot on his phone to find a selection of GPs in his neighborhood based on his preferences
- He asked the chatbot to register him with his chosen GP and make an appointment in his diary for a “face to face” wellness checkup
- His new GP was granted access to all of his health data including the results of his genetic tests (providing alerts on drug sensitivity and his risks of genetic conditions or diseases) and his health tracker data
- Martin went to the GP and had a very friendly chat about his health history and completed a physical examination
- Based on this information Martin agreed a prevention plan for his health risks, set up various targets concerning his physical activities and diet, agreed alert thresholds, and reviewed the online communities he engaged with.
- Before leaving Martin downloaded the phone app for future consults, alerts and advice

Informed
Choice

Life
centred

Responsive
Predictive
Personalised

Accessible
trusted
information

Collaborative
care

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me

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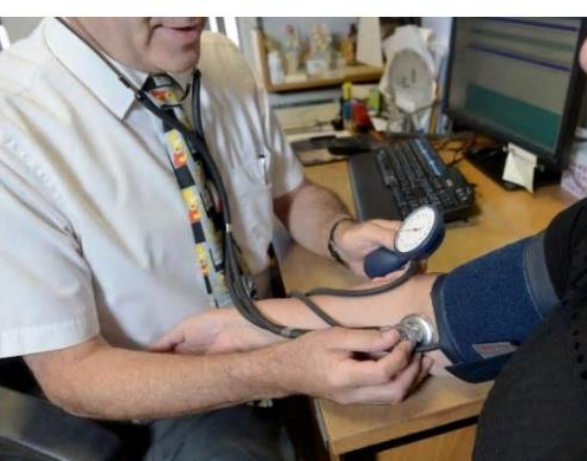
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What Happened to My Computer?
Your important files are encrypted.
Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

Can I Recover My Files?
Sure. We guarantee that you can recover all your files safely and easily. (But you have not so enough time.)
You can try to decrypt some of your files for free. Try now by clicking «Decrypt»
If you want to decrypt all your files, you need to pay.
You only have 3 days to submit the payment. After that the price will be doubled.
Also, if you don't pay in 7 days, you won't be able to recover your files forever.

How Do I Pay?

Payment will be raised on
5/15/2017 16:25:02
Time Left
02:23:58:28

Your files will be lost on
5/15/2017 16:25:02
Time Left
06:23:58:28

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Thank You

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