

The Global **SILVER** REVOLUTION

*An in-depth report on how to profit in the healthcare sector resulting
from the imminent changes in the world's aging population*



GRACE CENTURY
SEARCHING THE GLOBE FOR OPPORTUNITIES

Intro

Grace Century recognizes a tectonic shift occurring Globally. This is a direct result of aging demographics in every major economy in the world and is being met with the convergence of technology. This combination, and ultimately solution, has finally lead to the introduction of Artificial Intelligence (machine learning), data aggregation, Robotics, regenerative medicine, wearable devices, and the Internet of Things (IOT) into the healthcare sector.

For the first time in history, there are more people over the age of 50 than below the age of 12. This is unprecedented. For those who can acknowledge this and identify the beneficiaries, the opportunities are endless. Not since the industrial revolution, which was over 250 years ago, have investors had the chance to participate in changing not only society, but economies. We believe not only will this happen, but it is imminent.

The spending, with its associated outcomes that is presently happening; cannot continue. It just cannot! This report is here to show you why. We believe the greatest application and main beneficiary of this will be the Global Healthcare Sector. The money will continue to be spent in this industry, but in a different way. We believe technology, machine learning, Artificial Intelligence, and data aggregation will be the answer. **We believe this will last for the next 10-20 years and simultaneously make traditional investment sectors obsolete.**

This is our laser focus



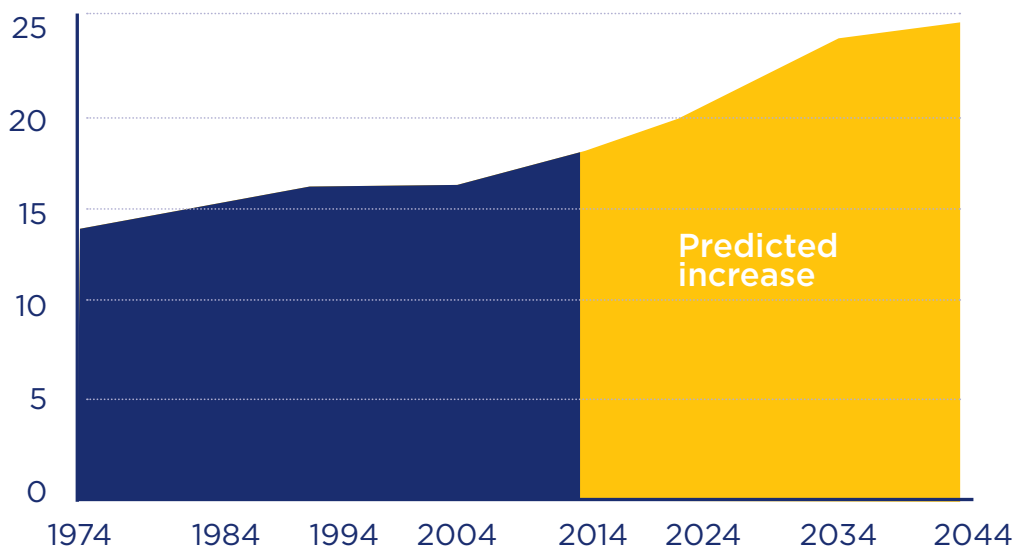
DEMOGRAPHICS

- According to the Milken's Institute Center for the future on Aging , the following startling statistics are reported:
- **People over the age of 60 will DOUBLE by 2050 (Globally)**
- 119 of 123 Consumer packaged goods categories PRESENTLY are dominated by older Adults
- 1 in 4 of American workers will be over 55 by 2024
- These statistics have far reaching implications for economies. This demographic shift with over 2 Billion people over the age of 60 presents changes AND opportunities.

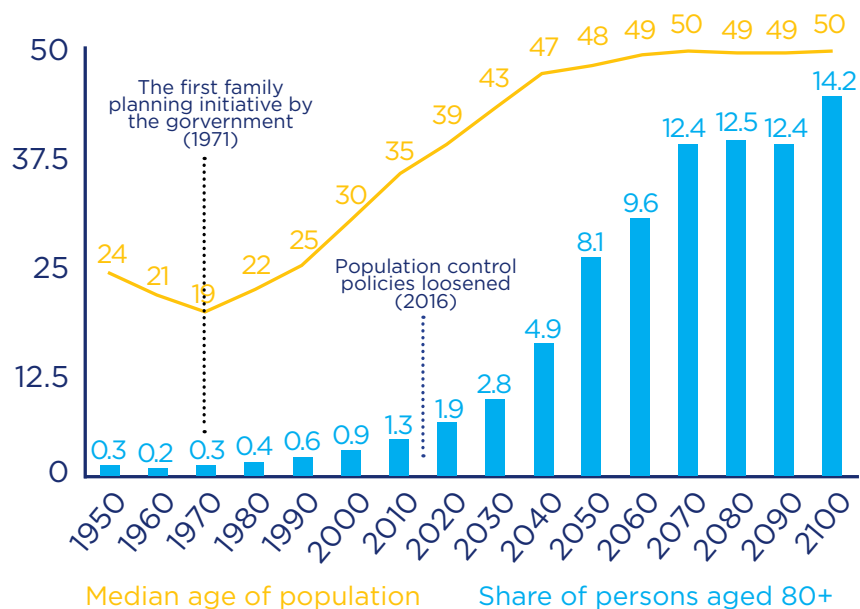
Let's look at some graphs...

THE UK'S AGEING POPULATION

% population aged 65 and over



CHINA'S AGING POPULATION (1950 - 2100)



PRESENTLY, THE MEDIAN AGE BY COUNTRY:

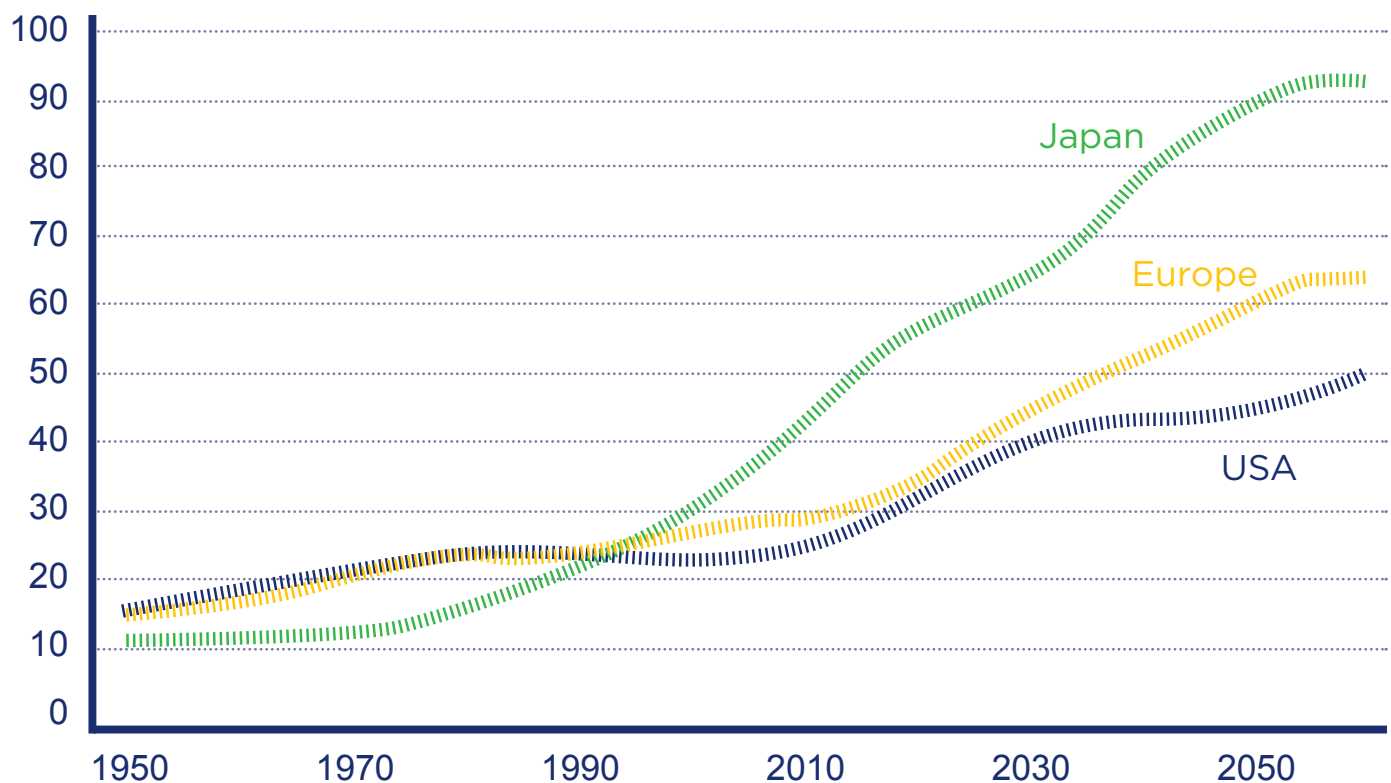


“Today, in 2019, we have more people over the age of 65 than under the age of 5 for the first time in recorded human history. This will ONLY get larger.”

- S Wolf

OLD AGE DEPENDENCY RATIO

Population aged 65+ per 100 population 25-64



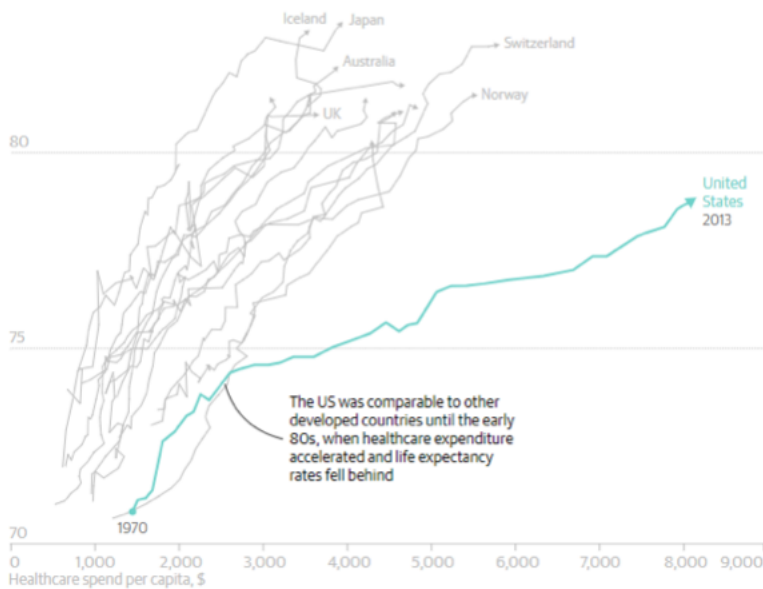
IMPLICATIONS AND COSTS ASSOCIATED

Obviously, there will be greater stress on the system, as well as costs. Today Healthcare represents 17.9% of the U.S. GDP. This is expected to grow to a staggering 25% by 2030. However despite this, with the U.S. spending more than any other developed nation in the world, has the dismal ranking of 31st in life expectancy.

Spending compared with life expectancy

Life expectancy in the US is still lower than other developed countries, despite health funding increasing at a much faster pace.

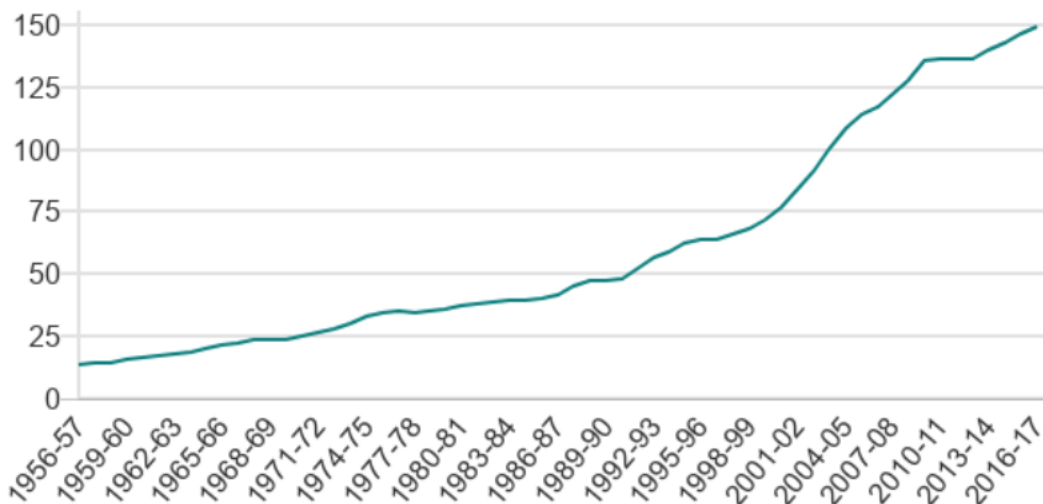
Life expectancy at birth, years
85



Guardian graphic | Source: OECD, World Bank

How the NHS budget has grown

Real-terms growth, 2017-18 prices (£bn)

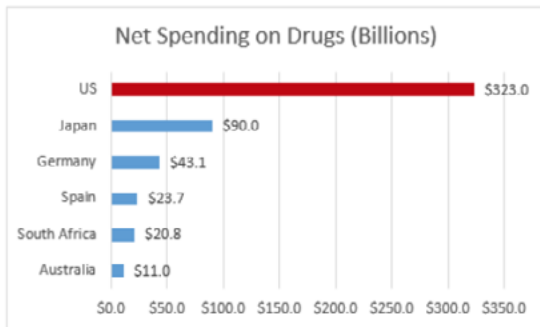


Source: IFS, Government

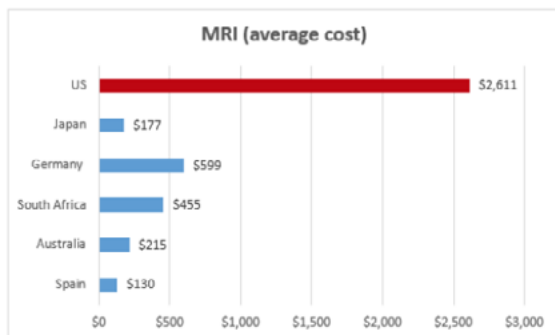
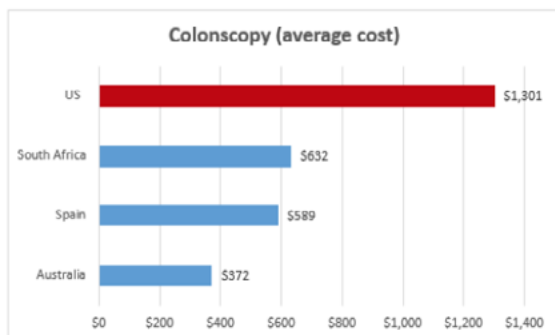
BBC



Spending in the U.S.



source: Focus for Health

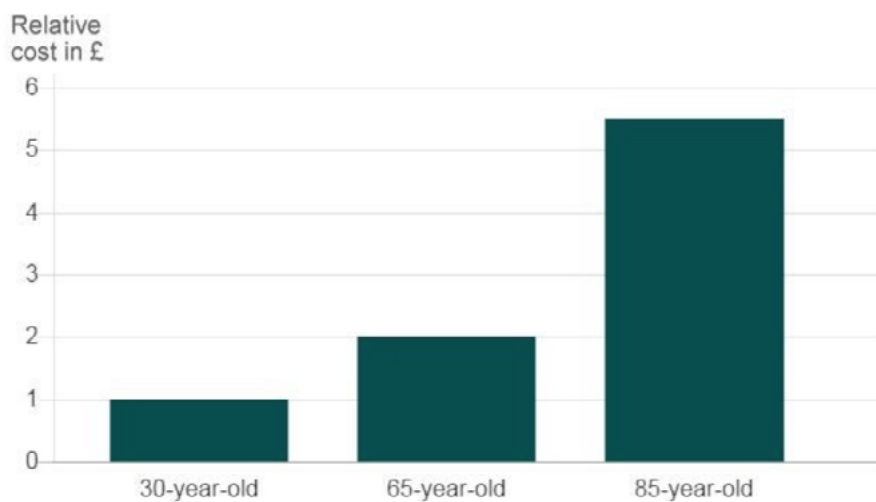


source: Focus for Health



Comparing NHS spending on people by age

Spending for patients increases as they get older



Source: IFS

BBC

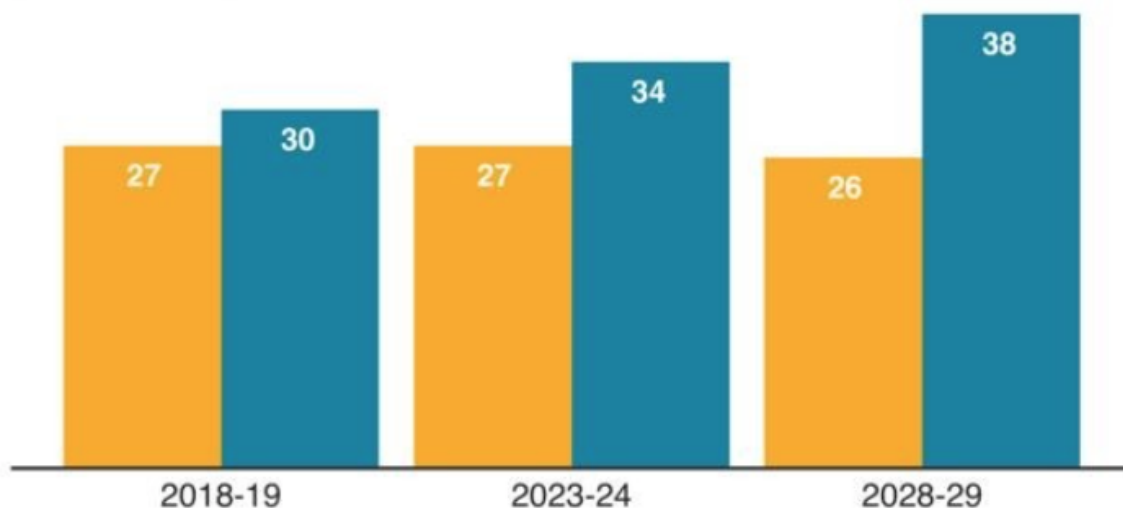


Other problems: Providers/Physicians

Will we have enough GPs?

GPs demand and supply full-time equivalents, in thousands

■ GPs in post ■ GPs needed



Note: Future predictions based on current trend

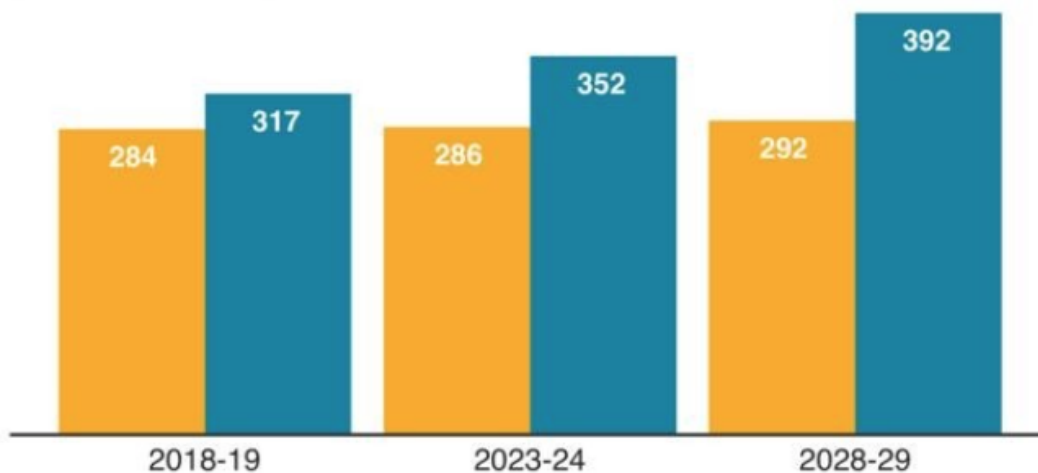
Source: Nuffield Trust / King's Fund / Health Foundation

BBC

Will we have enough nurses?

Nurse demand and supply full-time equivalents, in thousands

■ Nurses in post ■ Nurses needed



Note: Future predictions based on current trend

Source: Nuffield Trust / King's Fund / Health Foundation

BBC

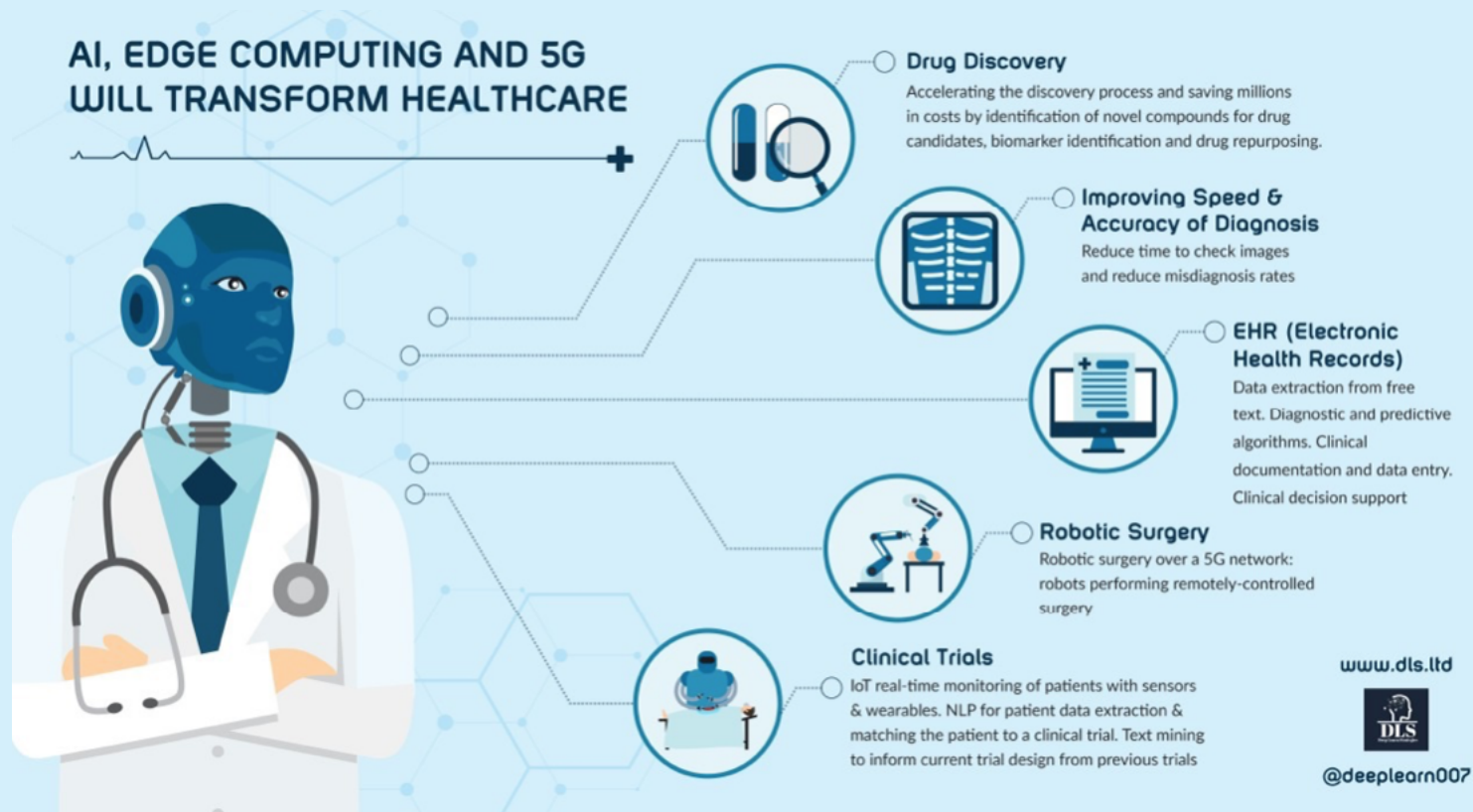


SO HOW DO WE FIX IT AND HOW DO WE PROFIT FROM IT?

I think it's fair to say that any rational person would agree the current medical system is broken. Not only is it not working with forever increasing costs, but it's being met by diminishing returns of health. There will be greater demands due to aging demographics and increased stress by higher costs and less supply/bandwidth (less physicians/less providers). The answer: Technology (which includes): AI, the integration of IOT (Internet of things) 5G, voice recognition, Virtual Reality, Augmented Reality, data aggregation, and the sharing of data in a secure, fast, and automatic way. The firm that can solve this (or group of firms) in an ecosystem way, versus just biting off just chunks or bolting on half solutions will change Healthcare.

We have seen this time after time again, with firms doing just part of the solution because they weren't able to or didn't want to address the problem as a whole. Virtually every firm out there, especially the big ones that are NOT traditionally in healthcare (the Googles, Facebook, Amazons, and Apples), want in, but think this is the way. It's not! You cannot be a player in healthcare by simply buying a wearable device company like "Fitbit™". You must figure out how to get that data/information generated to a person that can use the data for better health, like a doctor. Furthermore, this data should be aggregated to society (in a secure private manner) to society as a whole. This is data aggregation. We believe, to understand healthcare and fix it; you must have come from it and you must change from within!

How we see healthcare:



IMAGINE:

- **IOT:** Smart houses that know that you are diabetic. You haven't opened your refrigerator in 8 hours and the "house" alerts first responders
- **IOT:** You are coming out of the shower and you slip and fall. There are sensors under the tiles knowing you have been in the same position for one hour; first responders are called.
- **EMR:** In both situations your electronic records are sent securely to the first responders, so they have your history when they arrive
- **AI:** You go in for an x-ray and the computer can compare your result with 100's of thousands of other scans looking for anomalies in seconds.

Data aggregation: A monitor records your sleeping and recognizes you have been tossing and turning much more than normal and suggests a change in your diet.

WHETHER IT BE:

Virtual surgery with 5G:

<https://youtu.be/qiZrWx51zp0>

IOT Wearables that can save lives:

<https://gracecentury.com/true-life-saving-story-apple-watch-saving-lives/>

Robots as Doctors:

<https://youtu.be/6wxEulFt7p4>

AI being able to outperform radiologists:

<https://youtu.be/VJRCj-4E2iU?t=9>

Robots in Hospitals:

<https://youtu.be/REEzJfGRaZE>

We believe we have found the one true innovative Healthcare IT firm, with a portfolio of incubated innovative companies, that will provide a total solution. A firm that we believe can change healthcare. With 16 patents covering 5G, IOT/ wearables within healthcare, platforms that cover both price discovery/ transparency and a "one of a kind" world class cloud-based EMR platform (that actually works), and solutions that are anchored in both real estate and quality of care. A firm that we believe offers an un precedented opportunity to participate in healthcare at every touchpoint; all through one company.



THE QUANTUM GROUP

VISIT SITE

THE QUANTUM GROUP

The Quantum Group is an innovation-driven Healthcare Services Organization (HSO) that provides Technology Solutions through PWeR, a 21st Century Electronic Medical Records (EMR) platform



VISIT SITE

OXIO HEALTH

Bringing new and transformative experiences to the relationship between patients, providers and payors.





“We have shown you where the next 20 years is going. Healthcare and its integration by technology is the only place to be. We believe it’s the next Industrial revolution, the next internet explosion, the next “tectonic shift”...and we call it the Global Silver Revolution.”

COME AND PROFIT WITH US.





GRACE CENTURY

SEARCHING THE GLOBE FOR OPPORTUNITIES

Grace Century FZ LLC is an international private equity and research consultancy, located just North of Dubai, in the United Arab Emirates.

Our network has been cultivated over a period of almost 30 years, and we now boast a global professional network with unrivalled knowledge, experience and diversity – ranging from the business and commercial world and including strategic hedge fund alliances, venture capital firms, entrepreneurs and marketers, through to academic fields of expertise such as universities, scientific research centres, medical practitioners and learning institutions.

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