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we know by heart

HEALTHCARE AND BECOMING 'COVID-SECURE' :
HOW 5G, AI AND CLOUD ARE KEEPING PEOPLE
HEALTHY IN UAE

DIAGNOSED
CASES



150,345

New Cases: 1210

DEATHS

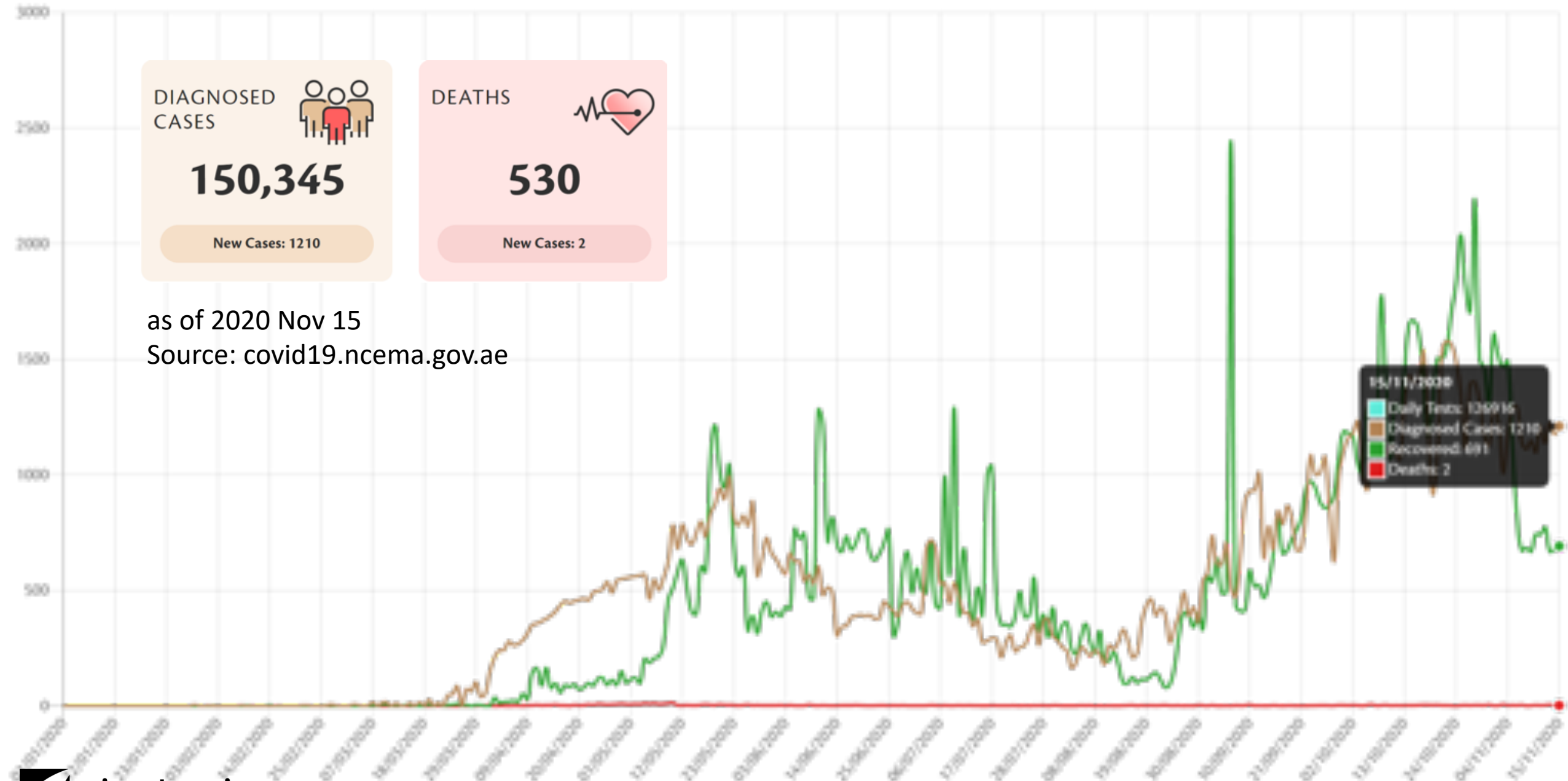


530

New Cases: 2

as of 2020 Nov 15

Source: covid19.ncema.gov.ae



Healthcare is poised to experience significant benefits from

Unleash the full potential for your business

5G, the fifth generation of cellular wireless technology, has the potential to offer massive connection power and fast speeds that can help transform how healthcare is delivered. Not only does 5G have the capacity to impact the Internet of Medical Things (IoMT), it will help enable medical innovations using augmented reality, virtual reality, artificial intelligence (AI), remote medical learning, remote patient monitoring, and more.

Because access to near real-time data and the ability to make split-second decisions are critical in healthcare environments, this sector stands to benefit tremendously from 5G and advanced technologies when fully implemented. Better communications will produce efficiencies. Diagnostics should be faster at lightning speeds. Transfers of massive files, images and other content will benefit from low latency. And compute power with 5G will help accelerate benefits exponentially.

5G

The 5G revolution will bring:

Massive device connectivity



Ultra-low latency



Better capacity & ultra high speeds



Data-driven insights

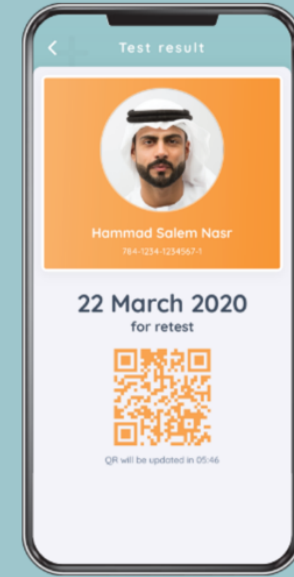
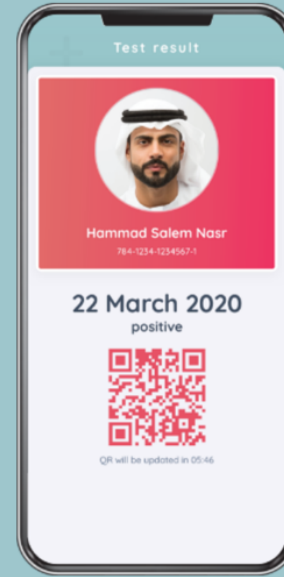
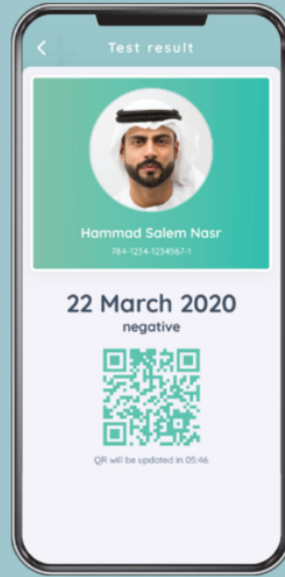
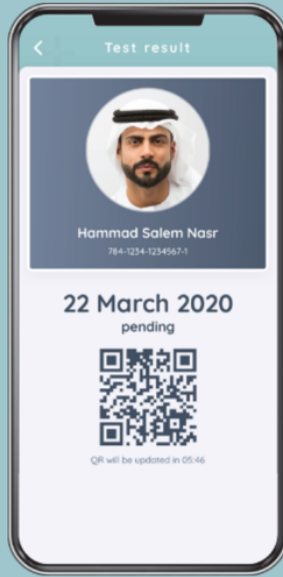


How will 5G affect healthcare?

1. Telemedicine
2. Remote patient monitoring
3. AR/VR live streaming
4. Data analysis
5. Decentralizing the health care model
6. Large file transfer

Video: Build a medical grade digital version of a personal health record.

The ALHOSN health coding system involves the generation of a unique personal QR code and a color-coding system that determines the status of your health. The colors represent the following:



GREY

GREEN

RED


AMBER

Indicates you have not been tested

Indicates you have been tested and you are healthy, this grants you access to public places

Indicates your most recent test has shown that you are infected and must seek the advice of the health care authority

Indicates that you need to be tested or retested due to possible exposure to COVID-19

A healthcare worker wearing a green hairnet, a blue surgical mask, and a clear face shield is leaning over a patient lying in a hospital bed. The patient is also wearing a blue surgical mask. The healthcare worker is wearing a white protective gown. The background is a plain, light-colored wall.

“Nearly one in five people who have had Covid-19 are diagnosed with a psychiatric disorder such as anxiety, depression or insomnia within three months of testing positive for the virus”

Source: The Guardian 2020 Nov 10th

Post COVID era



Tele medicine

Connected device

IT

OT


Real time feedback

AI powered algorithm

Solution



■ live streaming EKG with true respiration detection



SCA

Silent Killer

OSA diagnosis

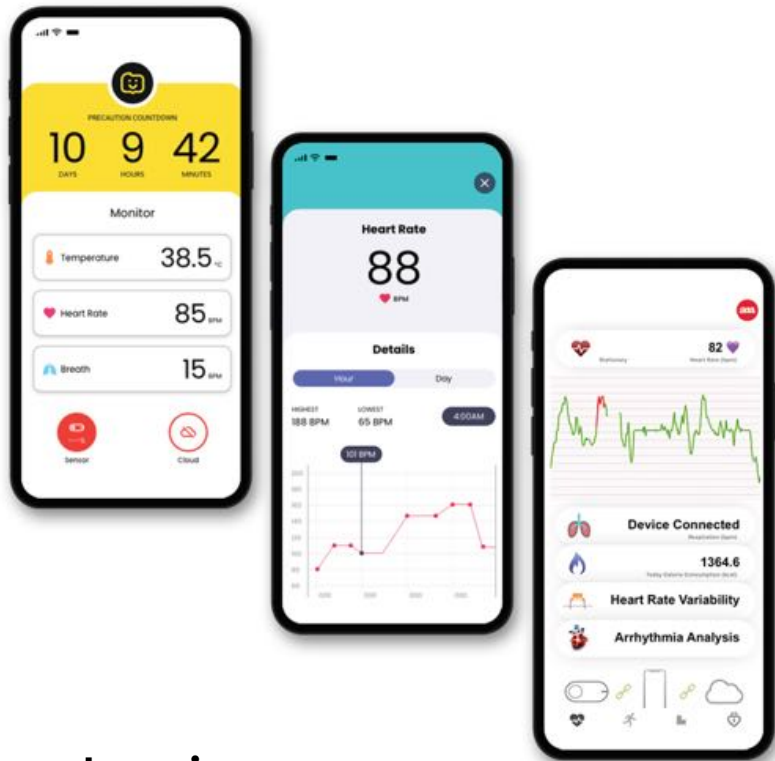


At home



Real time group monitoring

Fever, shortage of breath






REAYA
HEALTH CARE OUTREACH



IoMT



A woman and a man are running on treadmills in a gym. The woman is on the left, wearing a black sports bra and leggings. The man is on the right, wearing a black tank top and shorts. They are both running away from the camera. The gym has large windows in the background, letting in bright light.

| Thank you |
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