

## **Capture - Connect - Decide**

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### **Graham Bird**

Head of In-direct channels, ECR and RDT Biomed Conf. Nov 2019

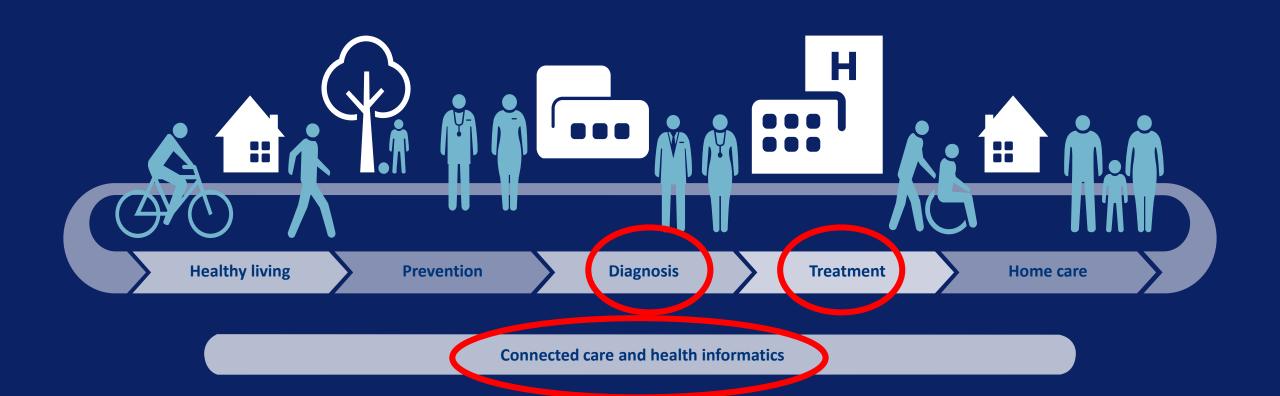






At Philips, we take a holistic view of people's health journeys,

starting with healthy living and prevention, precision diagnosis and personalized treatment, through to care in the home – where the cycle to healthy living begins again.



## Question?

"Can Telemedicine / Telehealth Informatics help improve patient outcomes"

## Telemedicine has been around for a long time..



FROM THIS **1905** 



1930 -1950



1960-70



1980



A STATE OF THE STA

1995



1998



**NOW** 

## Can telemedicine help improve outcomes

- We want Better and more Comprehensive data
- We want Reliable, Relevant and <u>LIVE</u> data
- Good relevant data aids better decision making......
  - Resource Management
  - Patient Assessment
  - Clinical Guidance and Advice
  - Critical decision making
  - Risk assessment and Governance
  - Clinical Audit and Clinical Review
  - Research







## Challenging Pre-Hospital / Hospital environments

In the UK





21% INCREASE in 999 / 112 CALLS





**4% INCREASE** in TRANSPORTS



INCREASING DEMANDS



STATIC or DECREASING RESOURCES and BUDGETS



**HIGH AGENCY SPEND** 

<sup>1</sup>AACE Annual Report 2016-2017, p.5-7

<sup>2</sup>Data from England's 10 regional ambulance services

<sup>3</sup>NHS Staff Survey Results – 2017/ Health & Wellbeing

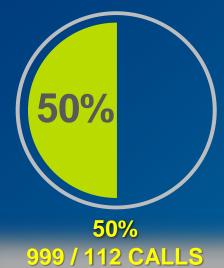
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ciety/2018/apr/02/ambulance-handover-delays-at-ae-putting-999-response-at-risk

<u>/s.com/Page/1064/Latest-Results/2017-Results/</u>

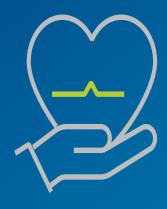
### There are opportunities.....

In the UK



999 / 112 CALLS REQUIRE AN AMBULANCE

Could this be reduced by up skilling responders with smart monitors with live Data
Communications?



## NOT SURE WHETHER TO TRANSPORT THE PATIENT?

Supporting remote medic's with clinical support and confirmed decisions using live data, could aid therapy, patient outcomes and resources?



1 in 5 A&E
VISITS ARE
UNNECESSARY AND
COSTS UK NHS ~£290M
YEAR

Having better data aids better decisions, allocates resources, channels correct therapy and savings?

# CAPTURE CONNECT DECIDE









**TEMPUS** 

**Philips Intellispace Corsium** 

## **Tempus ALS**: A solution-based approach to monitoring/defibrillation/communication

#### **Philips Tempus Pro**

Advanced Monitoring



- Half the size and weight of other monitor/defibrillators
- Built on a powerful and flexible platform
- Reliable and Simple data capture
- Communications with ePCR
- Fully featured

#### **Philips Tempus LS**

ALS Defibrillator / Monitor / Pacer



- Philips trusted Bi-Phasic Truncated Exponential (BTE) waveform
- AED & Manual mode, Sync, Pacing, CPR feedback and Monitoring

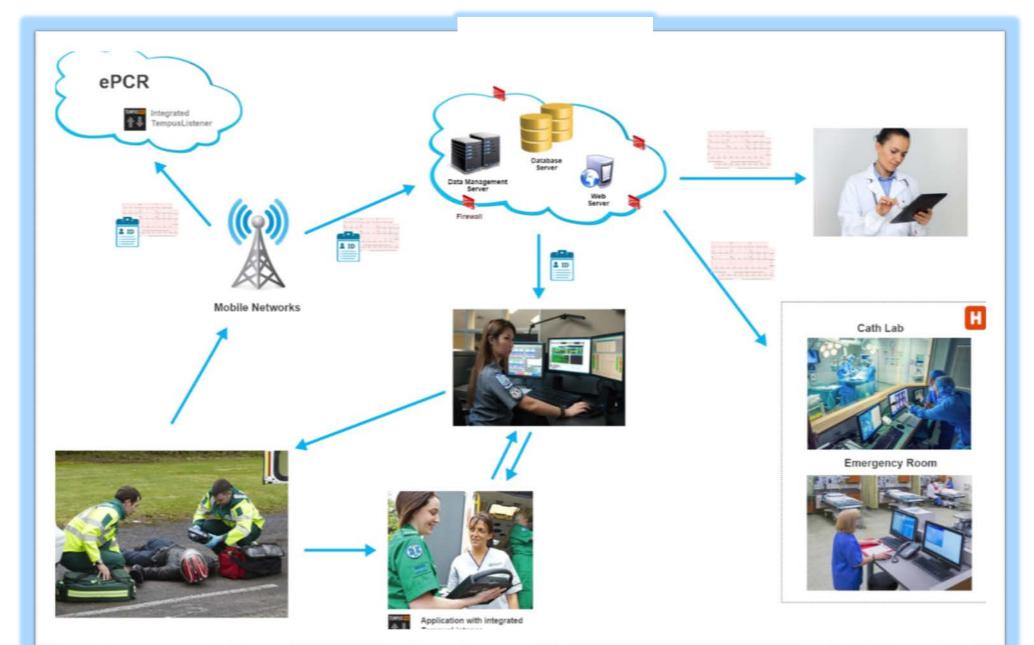
### **Philips Intellispace Corsium**

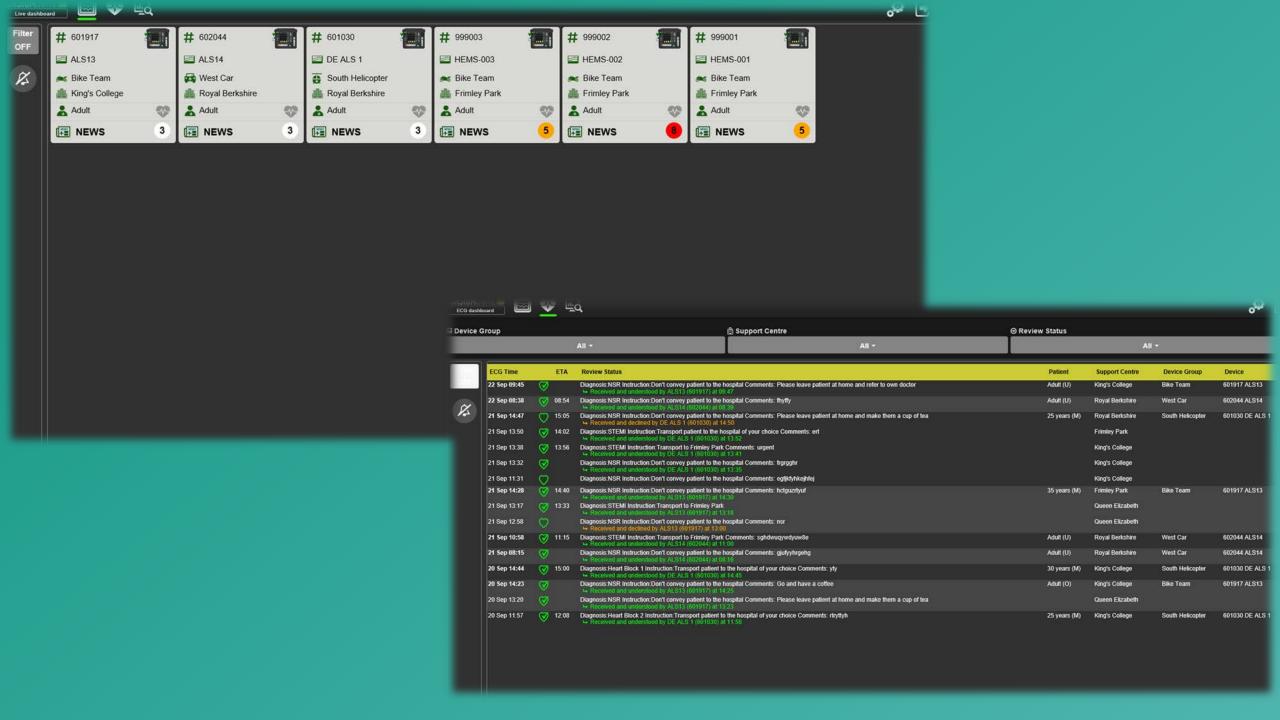
LIVE data streaming software



- Real-time data sharing
- Clinical decision making and review at scene
- Data viewed on any device
- Review and Audit db
- Security

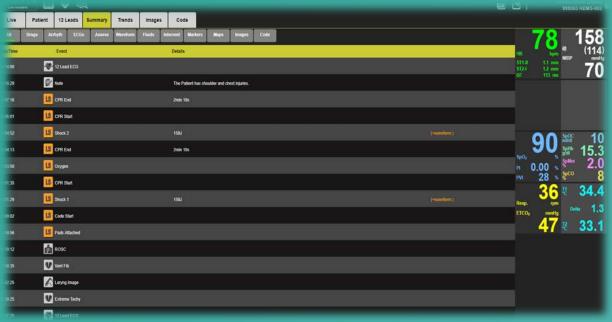
## A typical telemedicine network:

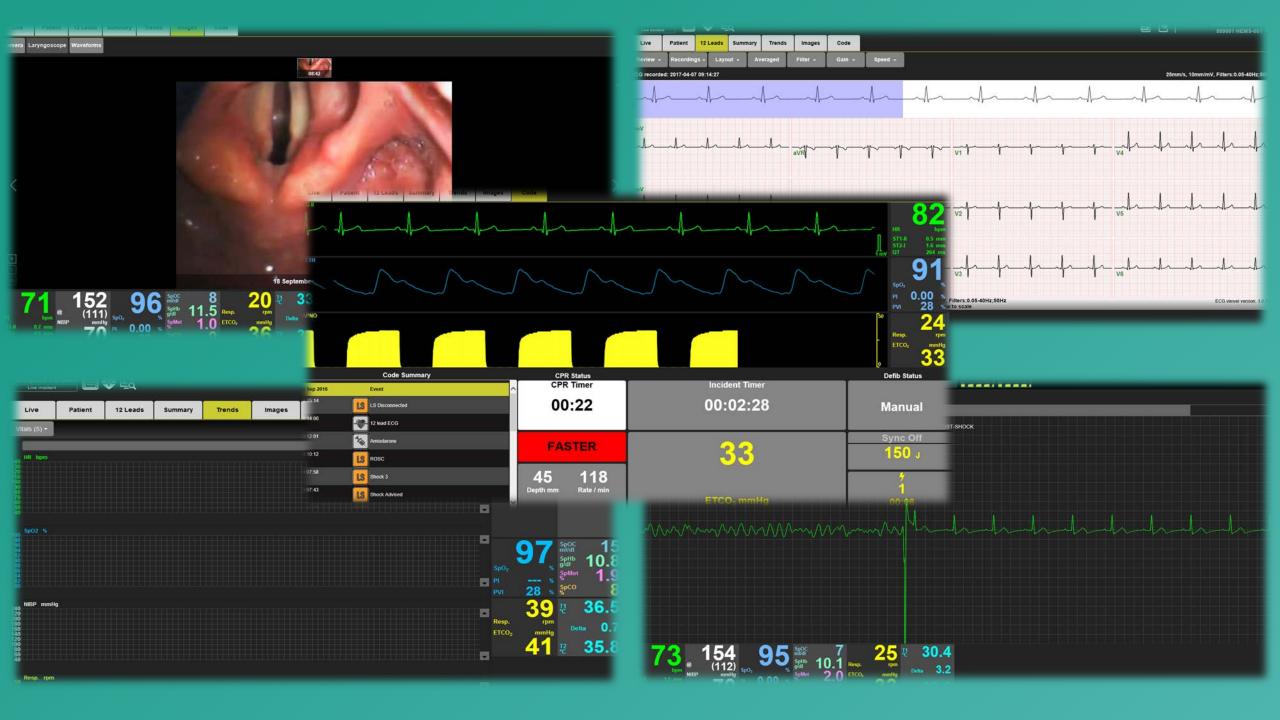












## LIVE DEMO



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## **Future Service Considerations**

### Systems like this still require service maintenance

- 1. Industry driving Data led solutions both Pre-Hospital and Hospital
- 2. Network systems are getting more complex
- 3. Consider:
  - Implementation, Training and PM Service Planning
  - Network structure and integrated products within
  - Product performance validation, Service techniques, Data security and Compliance
  - KEY Point Important to work with the manufacturer!

## In Summary

Capturing and Sending LIVE patient data from scene to the Ambulance Control (EOC) or Hospital teams

### Can aid;

# managing resources

# making critical decisions / observations

# alert teams to drive effective and shorten patient hand-overs

# deliver the right therapy / service

# aid in Governance, Audit and Clinical review

# device remote Tracking, Svc and Asset Mgt.

And can potentially, lead to better patient outcomes!

