

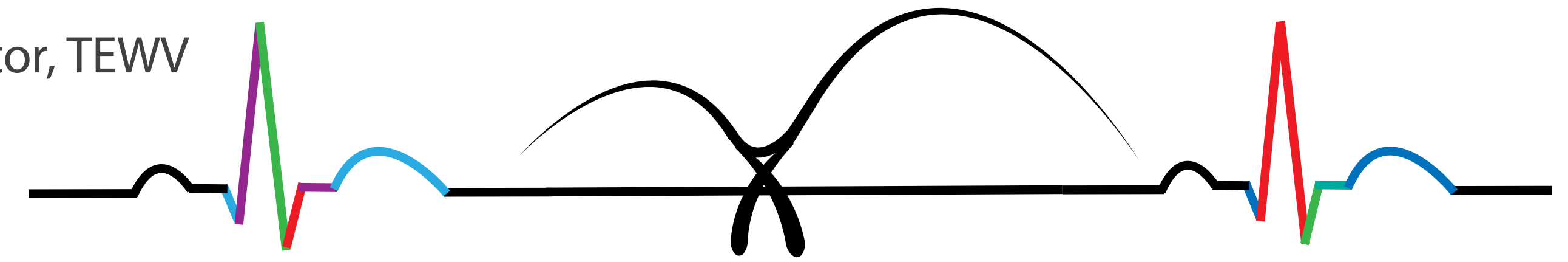
The Tees Remote ECG Pathway



Tees, Esk and Wear Valleys
NHS Foundation Trust

The adoption of mobile ECG technology for monitoring patients on anti-psychotic medication

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What was the problem?

All antipsychotics have a degree of cardiac risk including

- Arrhythmias
- Syncope
- QT Prolongation
- Torsade de pointes (potentially life threatening heart arrhythmia)
- Sudden cardiac death

During pandemic we encountered additional challenges, including:

- Lockdown/Shielding patients
- Social distancing
- Risk of side effects
- Issue for starting patients on medication

What was our solution?

- AliveCor - KardiaMobile 6L ECG Monitor
- Licensed by FDA & CE for QT measurement
- We used the opportunity to pilot
- Real World Evaluation



17.5

minutes saved
per ECG



72

hours saved
per team,
per year



255

days saved
in 1 year across
the Trust



£ 3,854

Approximate cost
saved per team, per
year



£ 327,607

Approximate projected
annual cost saving based
on 85 teams using the
device across the Trust

What did we do?

Real world evaluation
funding - AHSN NENC

- 30 devices
- Shared among community and inpatient teams
- 3 areas in older Adult Psychiatry teams
- 2 areas of General Adult psychiatry team
- In-patient services
- Developed a local User Guidance form and got approval for the pilot from COVID gold command
- Feedback surveys from staff and service users
- Cost and Time analysis

Results

The amount of ECGs you can complete in a short period of time, with limited disturbance to the clients could really impact on our service.

I believe all Clinical Support Workers should have one, and Clinicians also (during assessments/diagnostics) it would substantially save a lot of time and money to the trust, in mileage and speeding up waiting times.

If you took it off me I would cry!

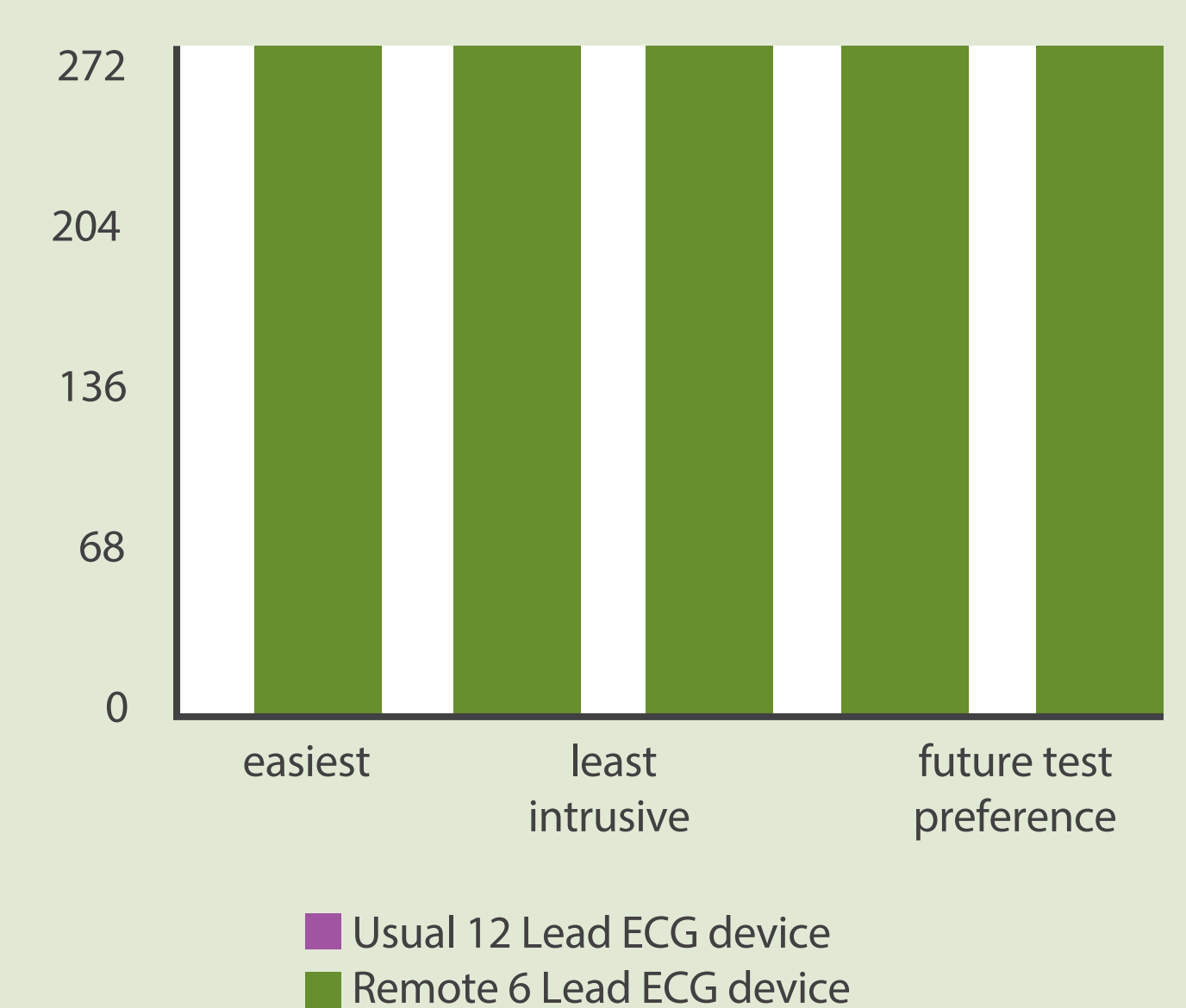
It is so easy! Much less intrusive, I don't have to remove clothing and I'm amazed at how small it is!

It is amazing, much less distressful, and the ECG was obtained so quickly

Results

Patient feedback

Patient responses to Usual and Remote ECG devices in anti-psychotic medication monitoring



Read more... <https://bit.ly/2Pt505>



Next steps

- NHSX funding for 140 devices to continue the project
- 100 devices for TEWV NHS
- 40 devices for CNTW NHS
- Envisage national adoption