

13 May 2020

QI approach to tracking the COVID pandemic: data for learning and improvement

**Susan Hannah:** Hello and welcome everyone... I am looking out for your reflections

**Pedro Delgado:** an example of where this kind of depiction may be useful (SPC),...with the ease of lockdown in Germany, they've agreed that if cases identified are 50 per 100,000 population for 7 consecutive days in any of their regions, they'll go back to full lockdown. So variation will help to make decisions in real time (note: a country would need to have a very robust system for testing in order for this approach to be useful. so context variables matter a lot when we consider measurement questions)

**Heather Shearer:** Does the Y axis stay the same as move from cchart to ichtart?

**Carl Walker:** Hi excellent presentation - I wonder what software can cope with changing the type of control chart as shown?

**Jorge Hermida:** One problem with detecting new "waves" of the epidemic basing analysis on deaths is that when a wave of new death is identified, at least 7-12 days have passed since the new wave of cases has occurred. All this time contagion has happened. What to do?

**Gareth Parry:** @Carl - The Website I was hoping to share provides an "automated" way of changing the control chart from Phases 1 to 2. It is based on the open-access statistical package "R". There is a link on the website to the code that produces the charts from the background methodology. The dashboards on the IHI website were developed using SPSS to program.

**Maureen Bisognano:** Marc, love your demonstration of learning and predictive modeling, use of PDSA and constant anticipation. Thanks!

**Gareth Parry:** Also, we are posting an excel spreadsheet that aigns with the methodology too.

**Susan Hannah:** we will circulate the excel tool to participants and you can also access it on the dashboard on IHI.org

**Pilar Mesa:** Thanks

**Jorge Hermida:** @Shannon, thank you! We are using the tool to analyze deaths in Ecuador's provinces, it is very useful to orient analysis and decisions. Hope to use it with other variables

**Gareth Parry:** @Jorge -- Yes, I agree detecting new 'waves' is going to be a challenge. We used the mortality data to develop the hybrid approach as, at the time, it seemed the most consistently reported. Cases was and perhaps still is too dependent on variation in testing, and hospitalizations may have run into a ceiling issue. In many countries, this may not have happened, so I'd love to explore other measures that can fuel learning with this hybrid approach.

**Susan Hannah:** Great use of QI in practice - practical and valuable use of data underpinned by the principles of improvement methodology

**Jorge Hermida:** I agree @Gareth. Most challenging in developing countries. For now, mortality is the most reliable data we have. We are using tool in Ecuador.

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**Gavin Wethers:** thank you Marc, that was great presentation

**Helen Moore:** Marc- well done in succinct presentation and acknowledgement of hard work in ICT team and Performance supporting this development work.

**Gill smith:** Great presentations marc and Brenda – thank

**Heather Shearer:** Inspiring - thank you everyone for sharing.

**Daryl Connolly:** Well done Brenda and Marc, great presentations and learning

**Matteo Migliorini:** Wonderful presentations ! Thanx to All !

**Andreia Cavaco:** Great presentations, thank you all!

**Jorge Hermida:** Thank you for a great session!

**Heather Shearer:** Thank you

**Chioma Obasi:** Great presentations so far do we get the slides

**Olivia Butkowski:** Yes, the slides, chat, and Excel will be shared on [ihl.org](http://www.ihl.org) after today's call. And all slides and materials from previous calls in the Europe COVID series can be found here:

<http://www.ihl.org/regions/Europe/Pages/Resources.aspx>

**Helen Moore:** Great session. Thanks for organising. Lots of food for thought on what more needs built.

**Gill smith:** Thanks all great session. Mind buzzing with ideas!

**Gareth Parry:** Thanks all!

**Erica Gadsby:** Many thanks - great session!

**Marc Neil:** Thanks everyone

**Ruth gray:** Thanks everyone, great presentations. Love working in such a person centred organisation at SEHSCT

**Olivia Butkowski:** Thank you so much to our speakers for a great presentation, and to all our participants for joining! Take care