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Accelerating health information technology capabilities across England’s National Health Service

The National Health Service (NHS) England Global Digital Exemplar (GDE) Programme has, by contrast to earlier failed programmes such as the National Programme for IT, made considerable progress in developing digital transformation capability in select hospitals. These GDE provider organisations are now among the most digitally advanced sites worldwide and have successfully exploited these capabilities during the COVID-19 pandemic. Digital transformation, such as implementing and optimising electronic health records and electronic prescribing, has been achieved through organisation-wide engagement and alignment of efforts around a future-oriented vision, while still allowing space for more organic development supported by nationally orchestrated knowledge sharing initiatives. However, there is a paucity of clarity about how these success factors (those associated with successful digitally enabled transformation in the GDE programme) are incorporated into the national digitisation strategy going forward.

In 2016, a Government review of NHS England’s health information technology strategy led by Professor Robert Wachter sought to learn lessons from the disappointing outcomes of the National Programme for IT and the US$38 billion Health Information Technology for Economic and Clinical Health Act programme. Given that the investment required to digitally transform all NHS hospitals greatly exceeded available resources, the Wachter review proposed a phased approach, starting with the most digitally advanced hospitals, coupled with a national programme to build digitisation leadership. The GDE Programme was accordingly designed to create a select cohort of digitally advanced GDE hospitals that would pass on their learnings to a second cohort of less digitally mature, so-called Fast Follower hospitals and catalyse large-scale digitally enabled transformation of the wider English NHS.

The GDE Programme has successfully advanced digitally enabled service transformation in a select 51 (18%) of 287 provider organisations by coupling modest financial support (up to £10 million per organisation) with governance structures to deliver leadership and clinical engagement geared towards transformation outcomes linked to international benchmarks. The GDE Programme also put into place mechanisms for sharing learning (including GDE–Fast Follower partnerships and the circulation of Blueprints [formal documents designed to capture implementation experience]) that have fostered the informal networking needed to create the foundations for a dynamic learning ecosystem.

The success of the GDE Programme comes after a period in which many heavily funded national technology procurement programmes, such as the National Programme for IT and the Health Information Technology for Economic and Clinical Health Act programme, failed to deliver digital transformation. As the GDE Programme ends, there is now a need to build on the momentum created and carry forward key lessons to promote digital transformation more broadly across the NHS. However, strategy will need to be carefully considered. The transformational impetus resulting from the synergy of three key drivers—dedicated funding, a degree of local control over implementation pathways, and reputational benefits—might be weakened as the focus shifts towards promoting digital transformation in less digitally mature organisations. This consideration is especially relevant if available resources are spread thinly across organisations that might require higher levels of support.

This has two main implications. First, there is a need to realise that digital transformation is a marathon, not a sprint, and, indeed, a journey with no endpoint. Second, it is not necessary or desirable for followers to replicate the journey, involving many false turns, made by current leaders. Levelling-up strategy needs to now focus on creating opportunities for leapfrogging through local partnerships, sharing learning and capabilities. Although successfully promoting digital
transformation in digitally advanced sites, the short timeframe of the GDE Programme encouraged tried and tested solutions. Longer term interventions are required to promote innovation, including organisational, service, social, and product innovation. Otherwise, there is a risk that the growing digital maturity divide between organisations will inhibit both the delivery of integrated digital environments for care pathways and also the establishment of a dynamic learning ecosystem with innovation at its core.

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