Telehealth Service Bus
Improving Telehealth Intelligence during a Medical Surge

COVID19: TEST, TRACK, TREAT

An open, decentralized and Vendor-Neutral integration framework
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Medical Surge Capacity and Capability

Medical surge is the ability to provide adequate medical evaluation and care during events that exceed the limits of the normal medical infrastructure of an affected community.

It encompasses the ability of the healthcare system to survive a hazard impact and maintain or rapidly recover operations that were compromised.

Centers for Disease Control and Prevention
Automating clinician workflows

Delivering care to who need it most

Beyond EHRs, automated virtual care provides clinical value and augment the patient-provider relationship.

During a medical surge, healthcare professionals should be spending their time delivering care to the patients who need it most, not typing away on keyboards.

Leveraging Automated Telehealth during a Capacity Crisis
BRIGHT·MD White Paper
Clinical Data Providers

Medical Wearables

Home Care Providers

Medical Reports Integration
Lab & Diagnostic Imaging

Home Telemonitoring
Automating Clinician Workflows
Clinical Information Consumers

- Medical Decision Making
- Meaningful Patient Engagement
- Data Monitoring in Clinical Trials
- DACS (Document Archiving and Communication System)
- Vital signs & Clinical Documents Repository
- PACS (Medical Imaging)
- Research Facilities
Countries that adopted a test, track and treat approach gained an early edge against COVID-19

Johns Hopkins Bloomberg School of Public Health

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Certified Interoperability Standards and Technology

- HL7® CDA ISO 27932 - Clinical Document Architecture®
- FHIR® - Fast Health Interoperability Resources
- IHE® MHD - Mobile Health Documents: Connectathon 2019 Passed
- IHE® ATNA - Audit Trail Node Authentication: Connectathon 2019 Passed
- IHE® XDS - Cross-Enterprise Document Sharing: Connectathon 2019 Passed
- IHE® XD-LAB - Sharing Laboratory Reports: Connectathon 2019 Passed
- IHE® XDS-MS - Cross-Enterprise Sharing of Medical Summaries: Connectathon 2019 Passed
- DICOM Modality Worklist (MWL)
- BLOCKCHAIN Tamper-Proof Transmission & Medical Records Traceability
We can build trustworthiness into digital healthcare networks

- Breaking the barriers between public and private healthcare information systems
- Removing dependency on proprietary information systems
- Delivering digital portability of all the medical reports as universal documents
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