NextGen Connected Health Solutions

An Introduction

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Connectivity Options

- Local and Regional Health Information Exchange
  - NextGen technology powers three New York state HIEs:

- Carequality & CommonWell
- Direct Messaging
- FHIR and API connectivity to trusted 3rd party apps & services
- In-office medical devices
- Point-to-point interfaces

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NextGen Data Exchange by the Numbers

190
Million sent & received secure Direct Messages†

2.1
Million directory addresses in NextGen Share (largest in nation) †

76
Million clinical docs exchanged thru Carequality‡

85
Million patient records in the NextGen Record Locator Service†

71%
Of all clinical exchanges are with a non-NextGen system†

28
Million clinical registry document submissions‡

6.5
Million clinical docs exchanged with insurance cos. & payers‡

75
Million Carequality queries from external systems / month†

Sources: † NextGen Share Platform Reports 11/2019, ‡ NextGen Share Bastion Report 11/2019

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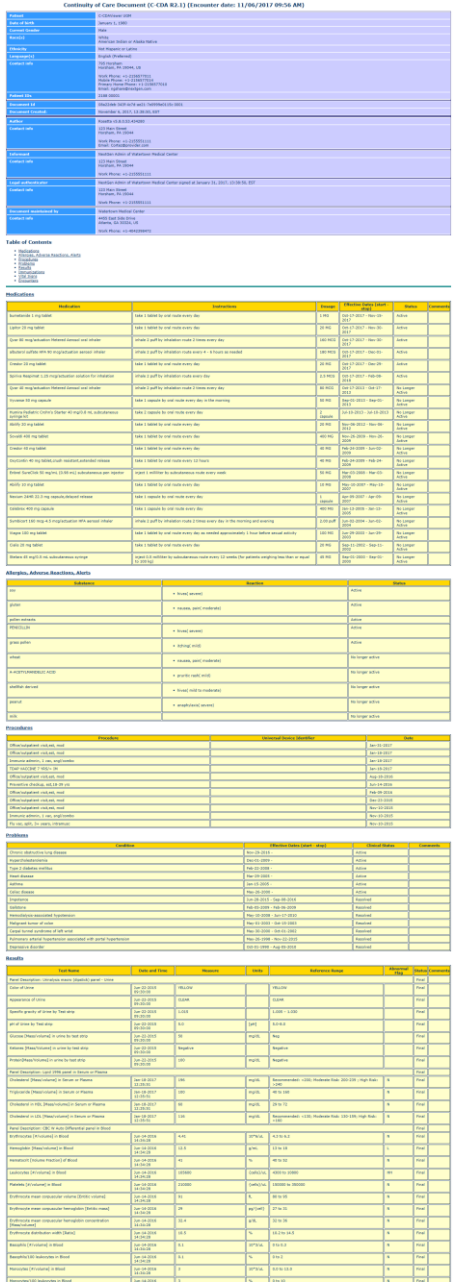
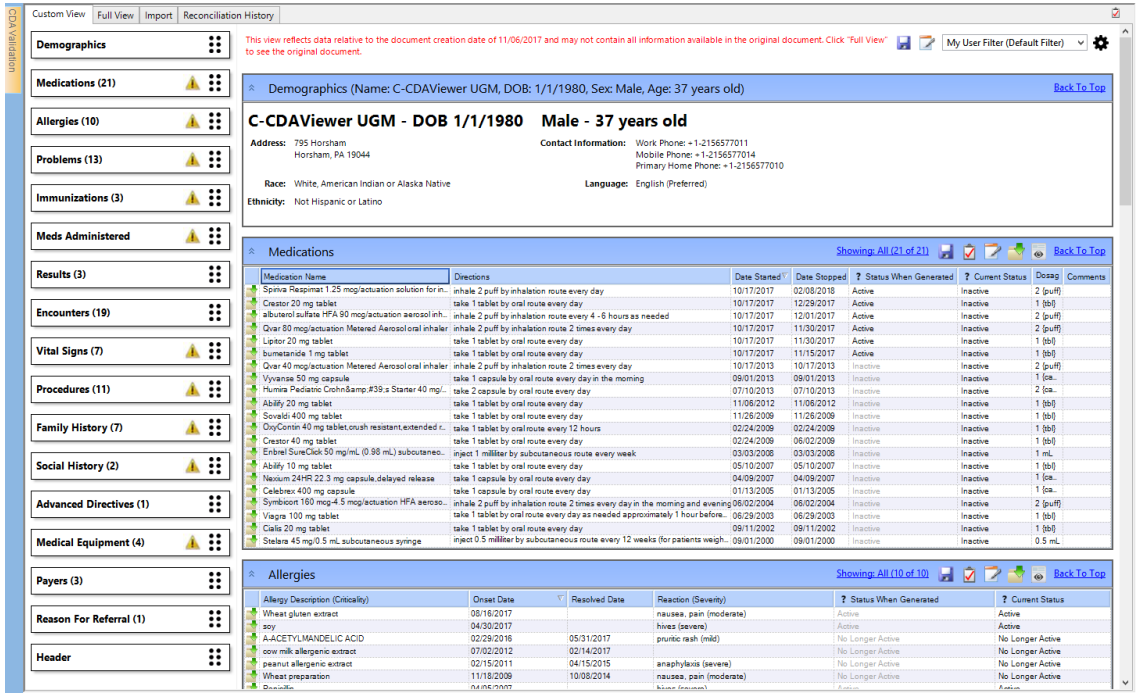
Challenges with External Data

- Frequency and quality of external data
  - Users cannot always control the amount or type of data they receive
- C-CDA Usability
  - Documents are often too long
  - Format is hard to navigate & read
  - Fixed order of elements
- Discovery and connectivity to trusted 3rd parties
- Coding systems & vocabularies
- Patient matching challenges



What we're doing well

- Connectivity through all available national networks
  - Direct Trust, Carequality & CommonWell, eHealth Exchange, local & regional HIEs
- Custom View of C-CDA Content
  - Improves readability & usability
  - Provides in-line clinical reconciliation
  - Ability to filter and sort external content
- Interoperability Rules engine
  - Improve routing and in-office organization of external content & minimize work load
- SMART on FHIR Integration in EHR



What’s coming next

- Improved SMART on FHIR app integration
- Payer activation across the NextGen Share network
  - Clinical data extracts & exchanges with payers and insurance companies
- FHIR R4 roll-out with Connect integration engine
- Expand support for additional documents
  - Carequality support for PDFs, images, etc.

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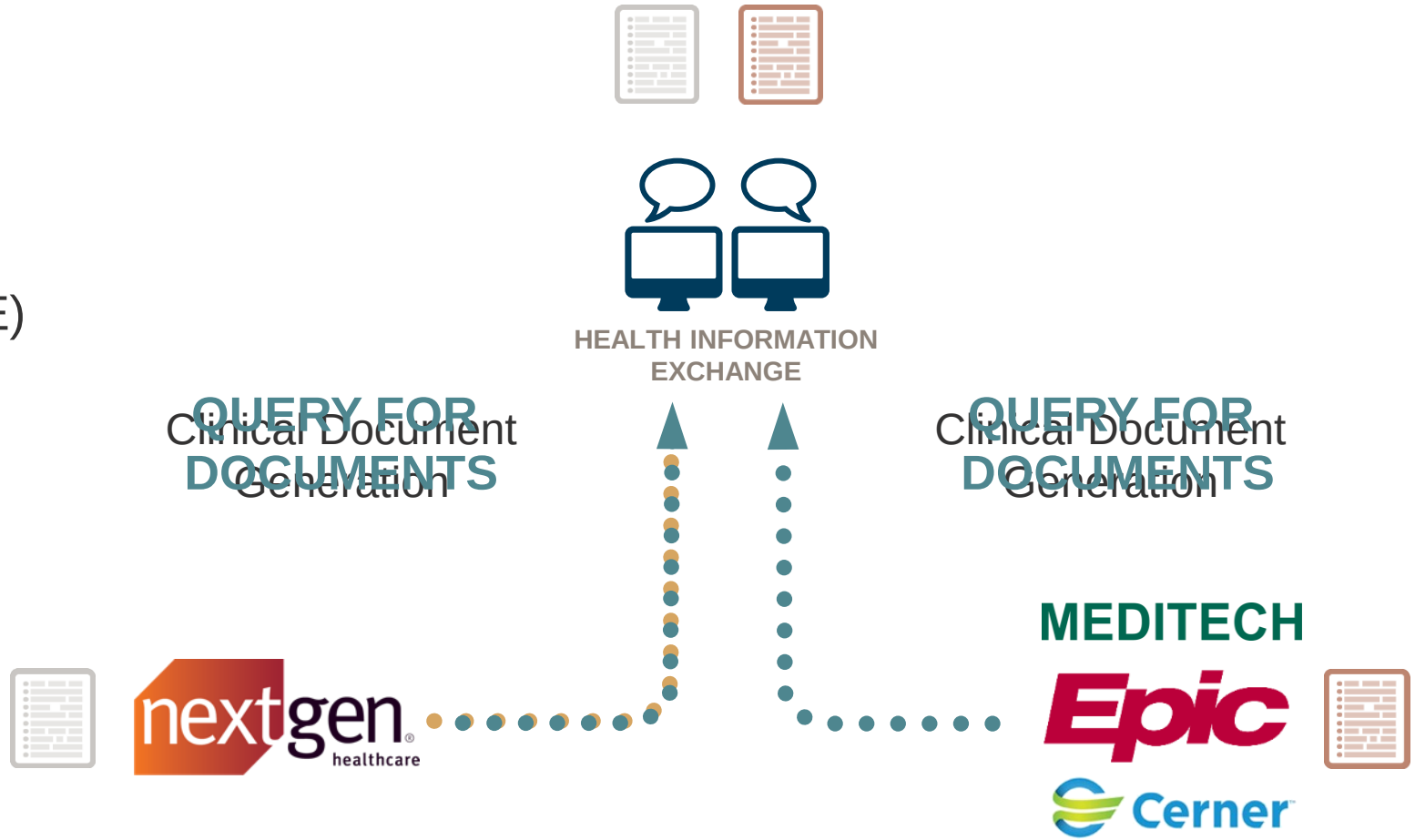
APPENDIX

HIE Connectivity

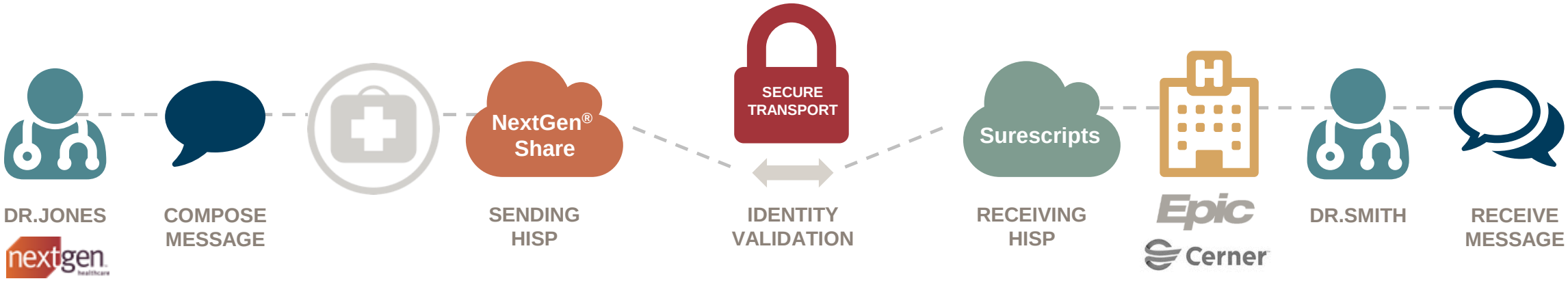
An interface which supports demographics and document exchange (CCD/C-CDA) with a Health Information Exchange (HIE)

Benefits

- Automation of data exchange
- Patient demographic synchronization
- Locked encounter document submission



Direct Messaging



Real-time manual or automated push of data from NextGen EHR to any downstream EHR.

Benefits

- Ability to send structured & unstructured data
- Supports provider-to-provider, provider-to-organization messaging
- Access to the largest searchable provider directory with 1.5 million recipients

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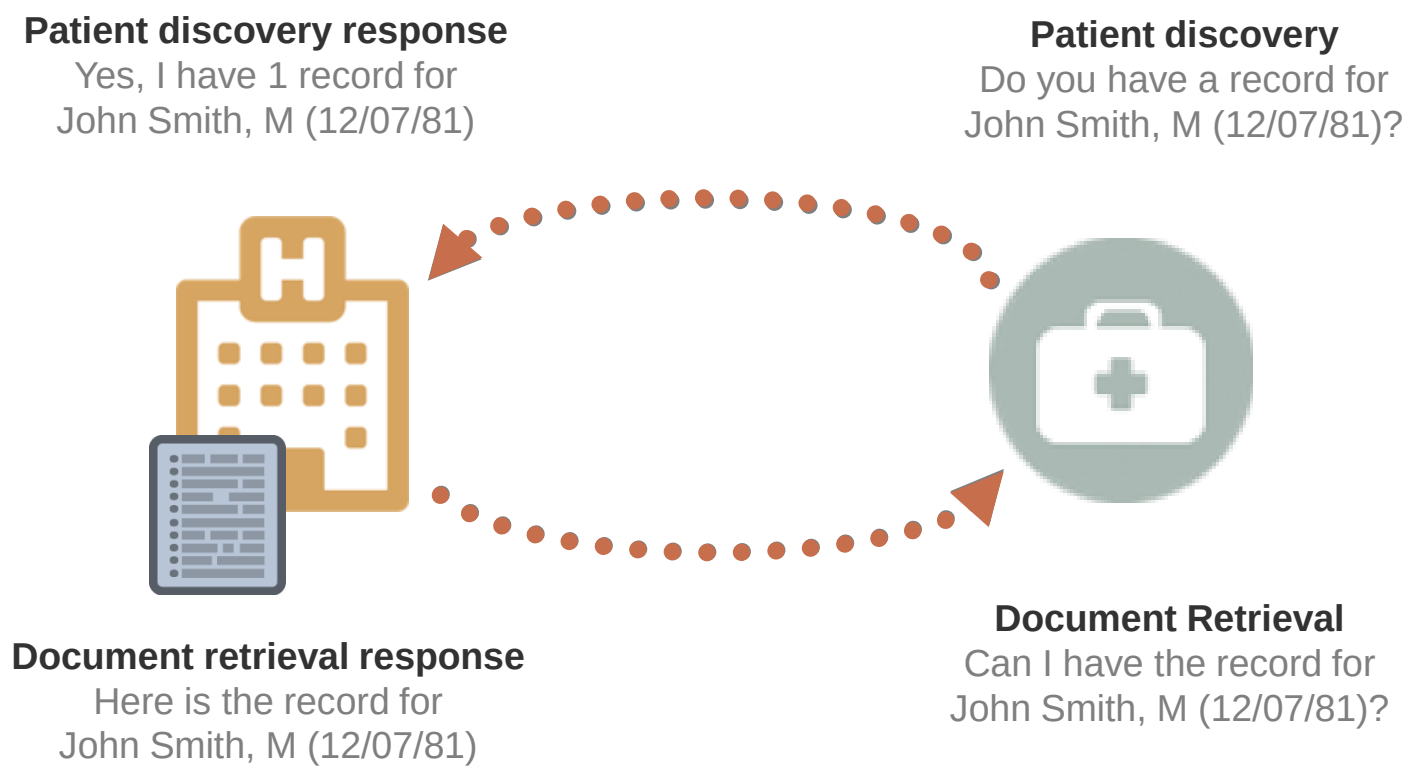
Carequality & Surescripts

Provides the ability to query and retrieve patient data from any other Carequality connected system.

Benefits

- Automation of data exchange
- Notification of new document availability from 3rd party systems
- Ability to preview documents prior to import
- Clinical data reconciliation