Centricity^{TM} Healthcare Connections

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Centricity™ Healthcare Connection agenda

1.   *"Open Access to Data"* - Our Approach

2.   *Continuum* for Data, Developers and Partners - Ecosystem

3.   Centricity™ Healthcare Connections - Our Solutions

   • Developer Portal

   • *'Centricity Now'* - Connect Providers with patient data

Interoperability is _not_ a Technical Problem

Our Approach is to enable workflows...

Simplify interoperable connectivity & enable information exchange

- Connect Providers with Providers

- Connect Providers with Payers

- Bring Mobility to Providers

Continuum…..

Partner

Developer

Data

Data Continuum…..

Partner

Developer

Data

Centricity health APIs to expose data

Workflows

Clinical Workflows

Encounter	Goal	Observation
Condition	Device	Immunization
CarePlan	Location	DiagnosticOrder
Medication	Procedure	AllergyIntolerance
Medication Order	Procedure Request	Referral Request
Medication Statement		FamilyMemberHistory

Medication Administration

Patient Workflows

Patient	Slot
Practitioner	Schedule
Appointment	Binary
Coverage	
Encounter	
Related Person	
DocumentReference	

Financial Mgmt. Workflows

Account

Postings

Post Payment

Delete Payment

Admin Workflows

Organization

Location

Developer Continuum…..

Partner

Developer

Data

<—————————>
<uses>

https://mydata.gehealthcare.com/home

Centricity Developer Portal

| Home | Centricity API resources | Access Centricity APIs | Application registration |
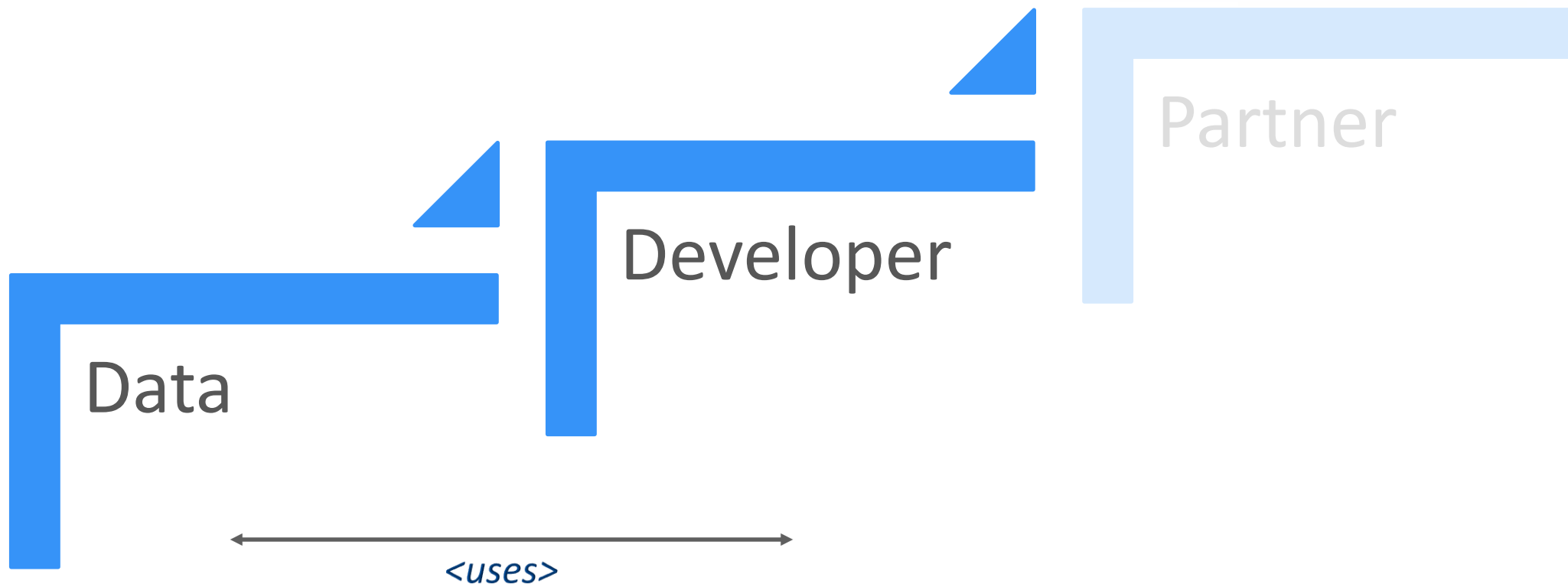
Centricity Developers Portal

Developer connection

The Centricity™ Developer Portal is your primary hub for information about how to register, build and test applications. It connects you with the ecosystem of developers who use the Centricity™ APIs. Innovate by creating apps that address your specific business and clinical needs.

API applications

Develop innovative applications using our repository of Application Programming Interfaces (APIs) to securely pull or push data from Centricity Practice Solutions and Centricity EMR. We offer open access to rich repositories of APIs and services that enable digital healthcare solutions.

Collaboration zone

Use the Centricity forum to collaborate with other developers. Get help from the community to boost your apps, and contribute to the conversation as you become an expert with our APIs.

Centricity Developer Portal

Home | **Centricity API resources** | Access Centricity APIs | Application registration

Overview | **Practice Management APIs** | **Clinical APIs** | **System APIs**

Introduction

Security

GE HEALTHCARE FHIR IMPLEMENTATION GUIDE (IG)

This guide describes the API Services provided by the GE Healthcare API Server. The GE Healthcare API Server is a new component introduced in Centricity Practice Solutions 12.3 (CPS) and Centricity EMR 9.12 (CEMR) products to support delivery of API integration capabilities. These products meet the 2015 Certified Electronic Health Records requirements from ONC.

Organization of this Guide

The Security section provides an overview of the security controls that have been integrated into the API Server.

Supported APIs

35 different API resources are provided to support access to system resources describing the configuration of the API Server and the CPS or CEMR application, clinical Resources providing information about a patients chart, and practice management resources used in scheduling and billing. Use of the clinical resources in the CPS product requires the product be provisioned with a chart license. Use of practice management resources requires that the CPS product be configured with a practice management license. Both Chart and Practice Management resources are available in CEMR (except for the Schedule and Slot resources which are not supported by that product). Details on these resources is included via the links in the table below.

SYSTEM RESOURCES	CLINICAL RESOURCES	PRACTICE MANAGEMENT RESOURCES
ConceptMap	AdvanceDirective [1]	Account [1,2]
Conformance	AllergyIntolerance	Appointment
Location	CarePlan	Coverage
Medication	Condition	Patient
NamingSystem	Device	Posting [1,2]
OperationDefinition	DiagnosticOrder	RelatedPerson
Organization	DocumentReference	Schedule [2]
Practitioner	Encounter	Slot [2]
ValueSet	FamilyMemberHistory	
	Goal	
	Immunization	
	MedicationAdministration	
	MedicationOrder	

Centricity Developer Portal

Kedar

Home | Centricity API resources | Access Centricity APIs | Centricity Dev Center

Overview | Practice Management APIs | **Clinical APIs** | System APIs

AdvanceDirective

AllergyIntolerance

CarePlan

Condition

Device

DiagnosticOrder

DocumentReference

Encounter

FamilyMemberHistory

Goal

Immunization

MedicationAdministration

MedicationOrder

MedicationStatement

GE HEALTHCARE ADVANCE DIRECTIVE PROFILE

This Resource AdvanceDirective profile is part of the set of resource profiles supported by the GE Healthcare API Server used Centricity™ Practice Solution 12.3 (CPS) products. HL7 FHIR DSTU Release 2.0 does not provide a resource to access advance directives, however this information is essential for the care of patients. We have created an extension of the Basic resource to support this content which can be accessed via the fhir/$AdvanceDirective operation using the same parameter syntax as for search with other resources.

Scope and Usage

This profile is used to define the content that will be returned by the GE Healthcare API Server in response to requests to access AdvanceDirective resources. All elements listed in the differential profile view are *Supported*, which means that the API Server is capable of supplying these fields from the product database when they have been populated via the product or its APIs.

The operations supported by this resource are listed below.

Read Operation

Read operations for this profile of Basic are issued via the $AdvanceDirective operation. To read the content for a specified AdvanceDirective, an application shall perform an HTTP GET, specifying the identifier of the resource being retrieved.

```
GET [base]/fhir/$AdvanceDirective?_id=[id]{&_format=[json|xml]&_summary=[true|data]}
```

Read Operation Parameters

PARAMETER	DESCRIPTION
[base]	Specifies the base URL of the FHIR Server, e.g., https://apisandbox.gehealthcare.com:9443/demoAPIServer
[id]	Specifies the identifier of the Account resource to retrieve
[_format]	Specifies the format of the output and may be xml or json. When present, the _format value overrides the value of the Accept header in the request.

FHIR Documentation | Centricity Partner Program | Support | Terms and Conditions | Contact us

☐ **GEHealthcare** / **apiserver.gehealthcare.com**

Unwatch ▾   14   ★ Star   4   ⑂ Fork   1

<> Code   ⊙ Issues 4   ⵏ Pull requests 1   ▥ Projects 0   ▤ Wiki   ⅰⅼ Insights   ⚙ Settings

API developer can use sample code and documentation to use GEHealthcare's FHIR API Server.
https://mydata.gehealthcare.com/home

Edit

Manage topics

⊙ **9 commits**   ⵏ **1 branch**   ⬙ **0 releases**   ⍣ **3 contributors**

Branch: master ▾   New pull request   Create new file   Upload files   Find file   Clone or download ▾

☐ **JonTGE** Update README.md   Latest commit 53338ee on Jun 26

▤ .github/ISSUE_TEMPLATE	Update issue templates	4 months ago
▤ API Support Forum FAQs.pdf	Add files via upload	3 months ago
▤ README.md	Update README.md	3 months ago

▤ README.md   ✎

apiserver.gehealthcare.com

Welcome to the Centricity FHIR API Developer Support Wiki.

Collaboration community is for Centricity™ Practice Solution and Centricity EMR FHIR API Developer Support.

> peer-to-peer support forum where developers can post questions and get help from other Centricity FHIR developers.

- Centricity FHIR API SITE: https://mydata.gehealthcare.com/home
- HL7 FHIR Info: https://www.hl7.org/fhir/overview-dev.html

Centricity Now – Bring Mobility to Providers

Chart Summary

Documents

Flowsheets

Histories

Registration

Marilyn A. Stone

Gender	Age	DOB	Phone	Language	Ethnicity	Insurance	PCP	Next Appointment
F	37	05/22/1980	(123)456-7890	English	600	Anthem BCBS	Dr. Arhminha Patel	07/22/2016

📋 Problems ▼

Menopause on HT

Bipolar Disorder

Fibrmyalgia

Hypothyrodism

Irritable Bowel Syndrome

Asthma

Hypercholesterolmia

Colonic Adenoma

Vitamin D Deficiency

Ovarian Cyst

🗂 Active Directives

All good! No reminders!

🔲 Allergies

Antibiotic (Amide Type Anesthetics)

Lisinopril

Naproxen (Bulk)

Other (Other)

💊 Medications

estradil (VIVELLE-DOT)
0.025mg/24 hr Patch
Semiweekly

Apply to thigh of abdomen twice weekly with no substitution

DUL oxetine (CYMBALTA)
20mg capsule, delayed
release (DR/EC)

Apply to thigh of abdomen twice weekly with no substitution

lamoTRigine (LAMICTAL)
200mg tablet

Apply to thigh of abdomen twice weekly with no substitution

progesterone (PROMETRUM)
100 mg capsule

Apply to thigh of abdomen twice weekly with no substitution

Partner Continuum.....

Partner

Developer

Data

uses   relationships
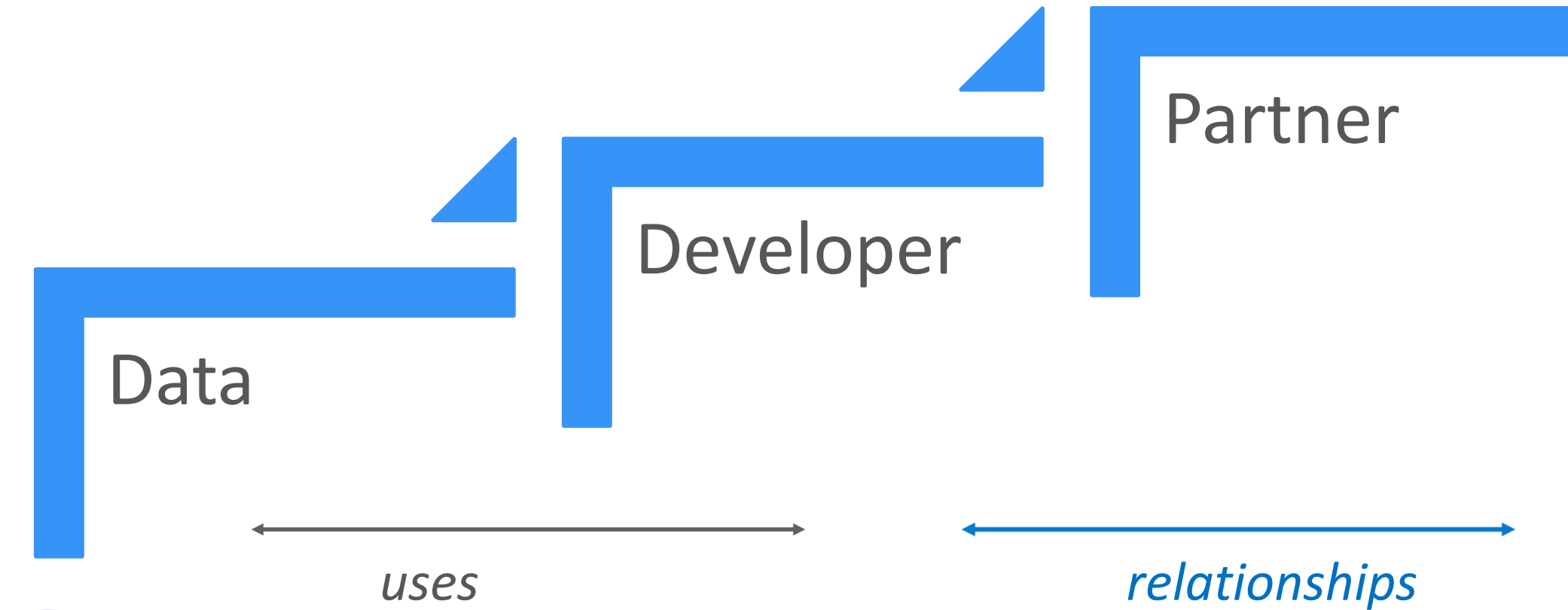
Partners

- Care Delivery Management

- Financial Management

Benefits

- Certified partners provide confidence to consumers

- Brings visibility to partner offerings (features and functionality)

Communities that you can serve

- ✓ Physicians
- ✓ Consumers
- ✓ Government Agencies
- ✓ Data Sharing Networks
- ✓ Payers
- ✓ Behavioral Health
- ✓ Acute Care
- ✓ Long Term/ Post-Acute Care

- ✓ Hospice and Home Care
- ✓ Research
- ✓ Public Health
- ✓ Vendors
- ✓ Pharmacies
- ✓ EMS Services

Developer and Partner Continuum

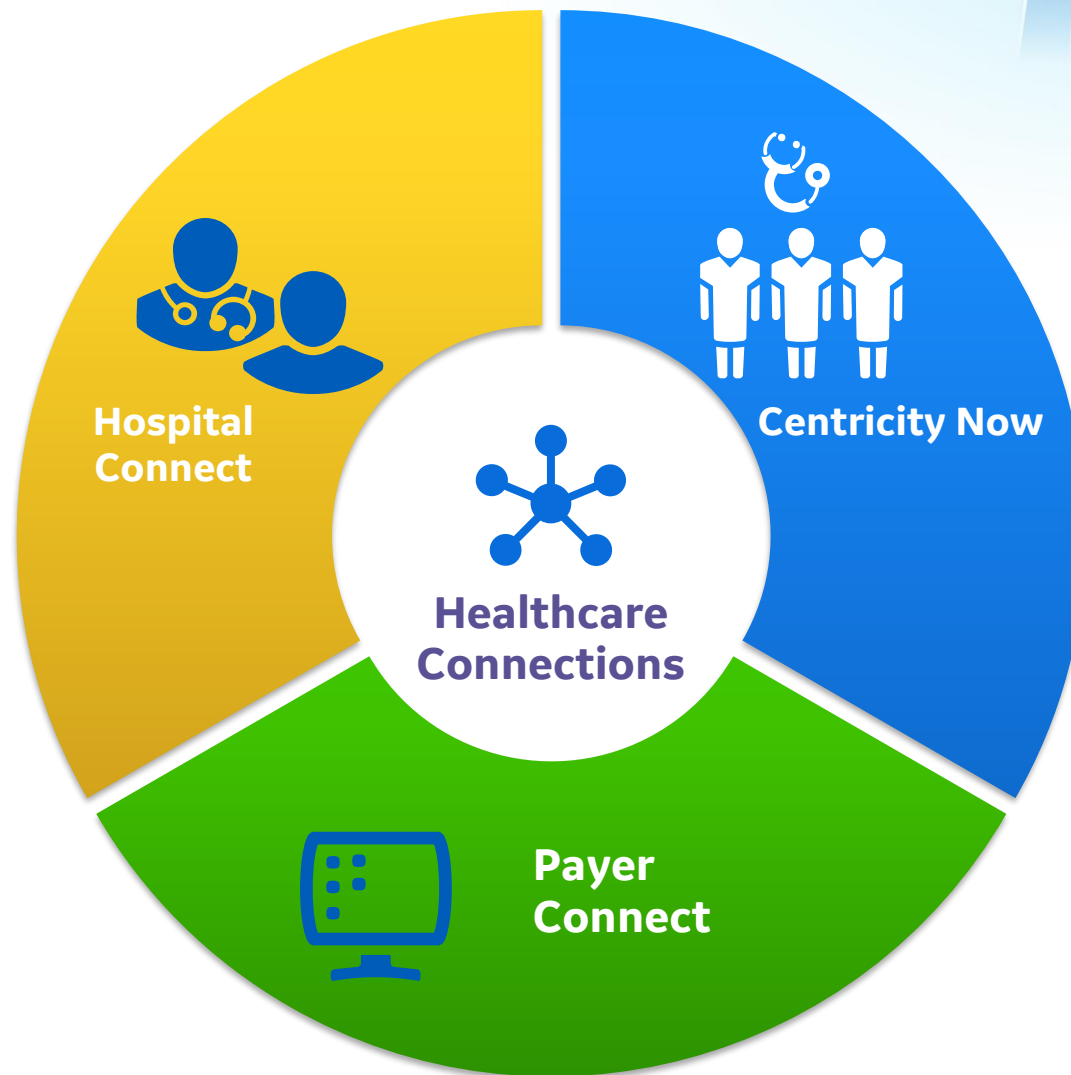✓ Give freedom to build innovation - Ecosystem

✓ Developer Portal https://mydata.gehealthcare.com/
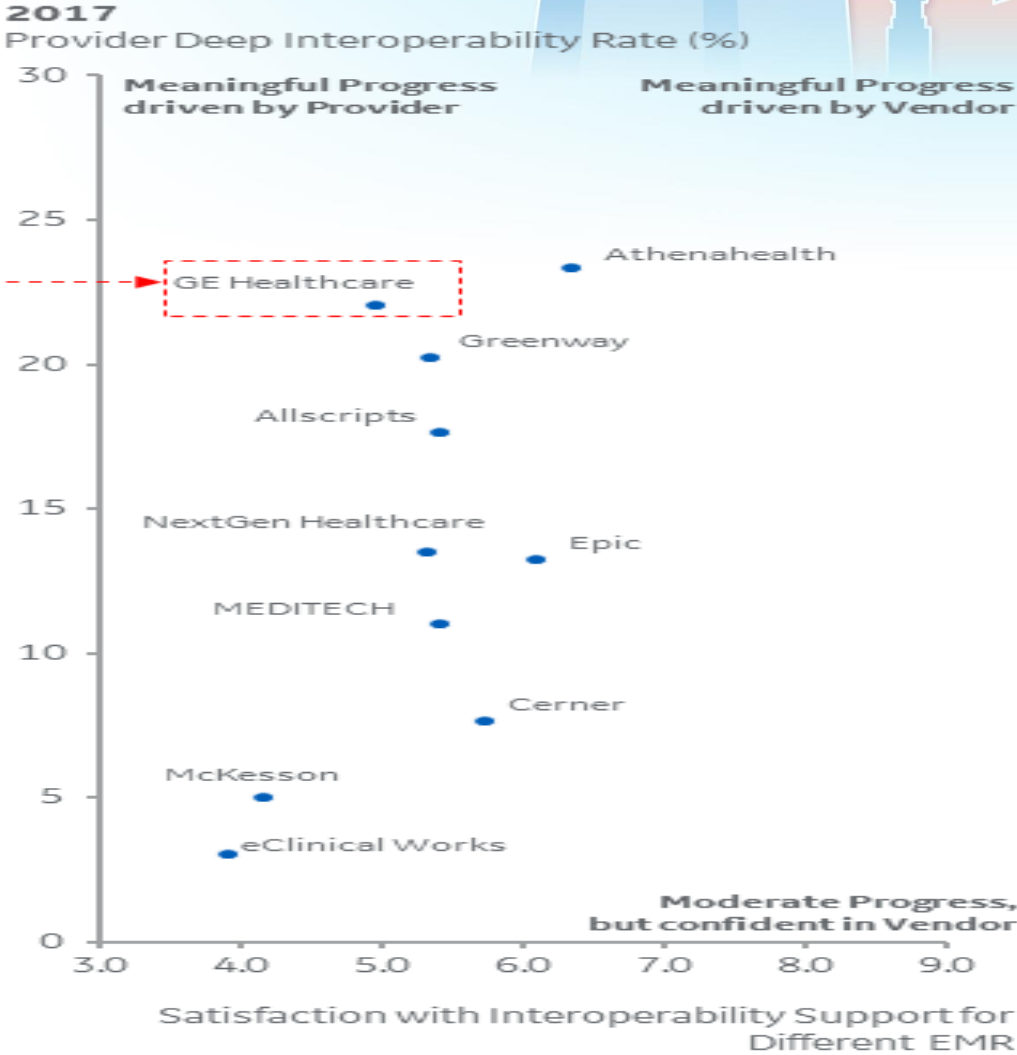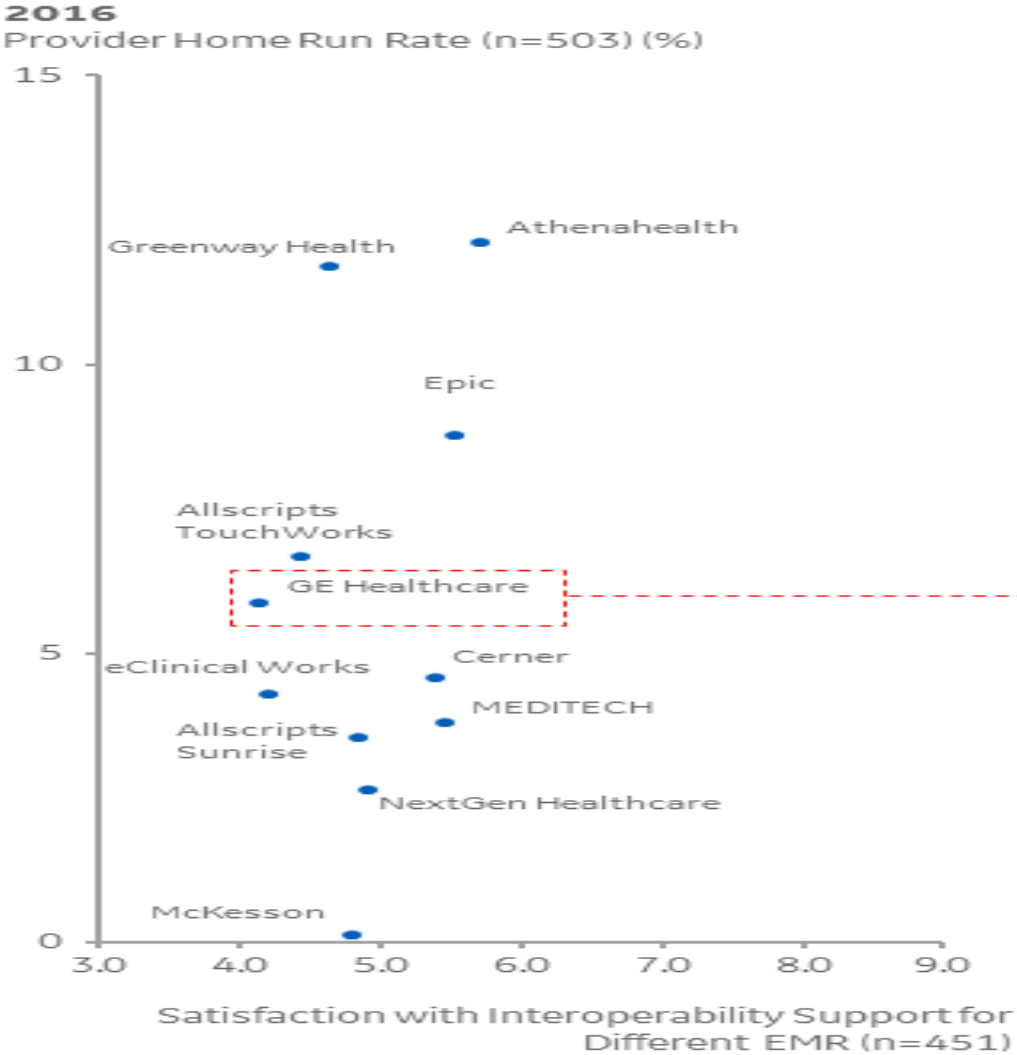
✓ GitHub https://github.com/gehealthcare

KLAS: Scores

Centricity™ Healthcare Connections

Hospital Connect

Centricity Now

Healthcare Connections

Payer Connect

Thank you!

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