Population Health Management and key factors of its success

Forum eZdrowia, Gdansk, 14th September 2017

InterSystems®
Health | Business | Government

Healthcare used to be simple
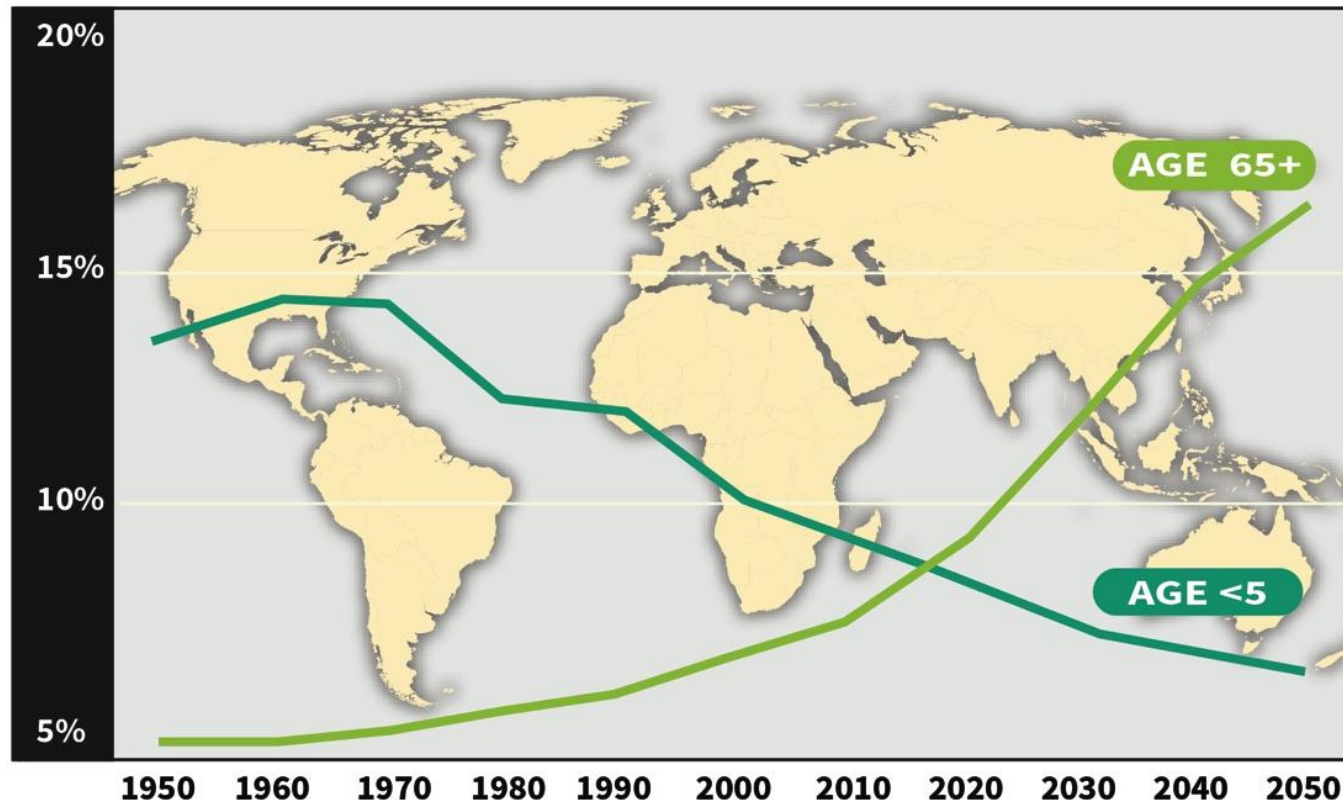
One patient-one doctor

Acute

Paternalistic

…those days are gone

Demographics are changing

Young Children and Older People as a Percentage of Global Population

Source: United Nations Department of Economic and Social Affairs, Population Division. *World Population Prospects. The 2004 Revision.* New York: United Nations, 2005.

Aging populations

Long-term, behavior-based conditions

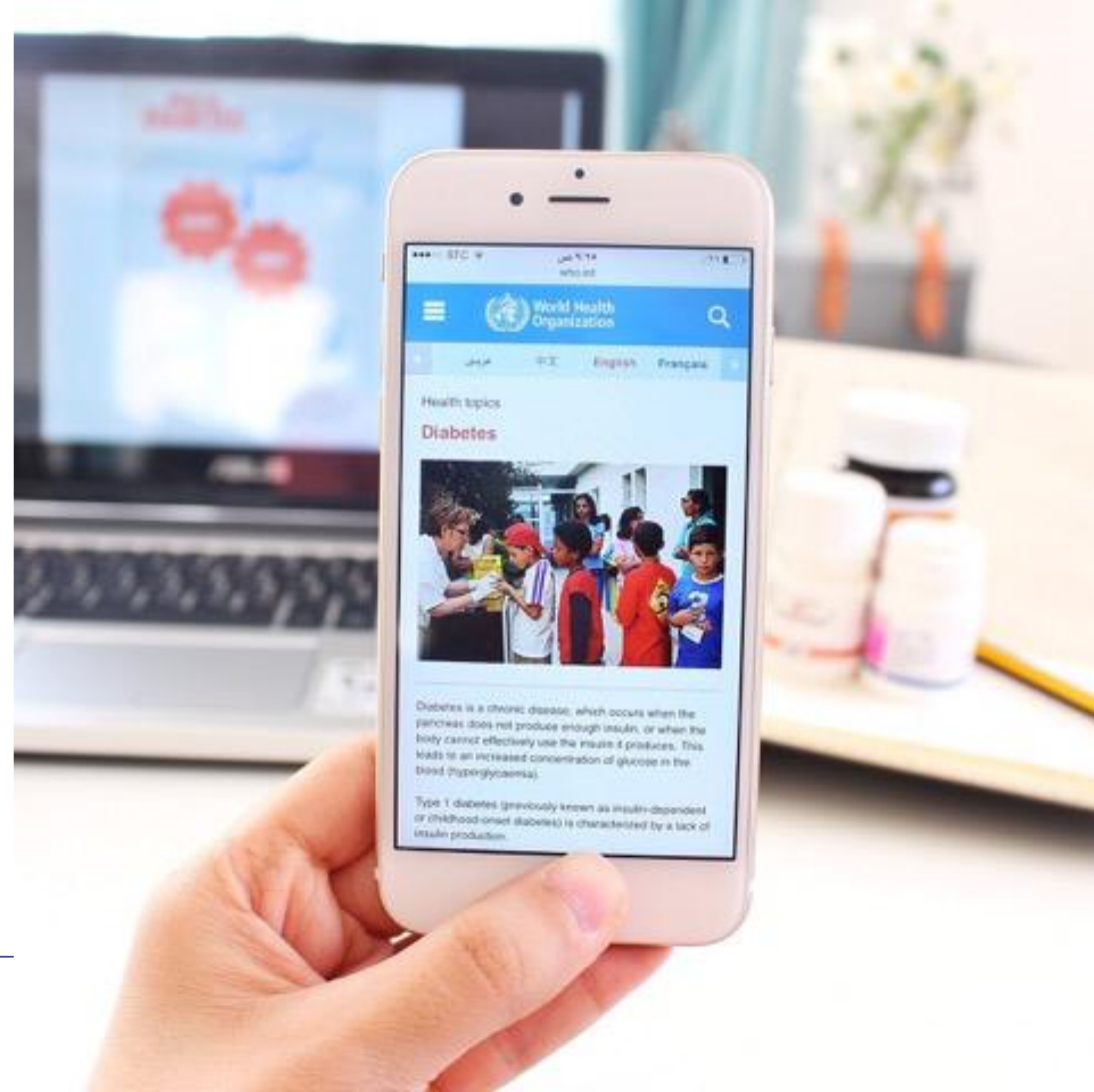Complex care models

Unsustainable costs
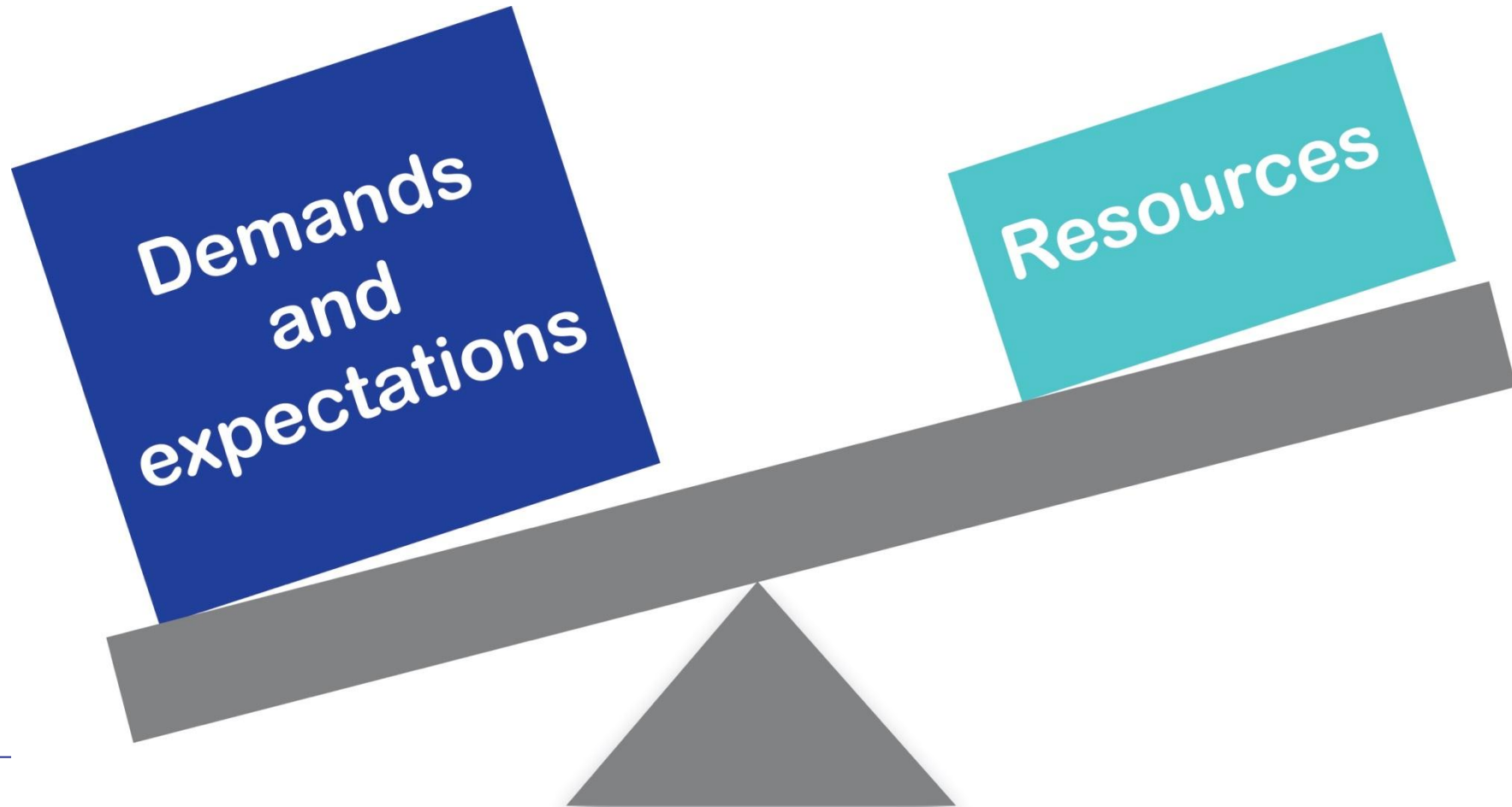
Expectations are changing

Transparency

Choice

Communication

Information access

Value

Demands and resources are out of balance

# We have to efficiently improve the health of populations

while improving care for individual population members

Outcomes and benefits Population Health Management (PHM)

- Sharing Electronic Health record leads to increasing of patient safety, and to decreasing costs of treatment

- Work with problematic patient group lead from macro view can lead to increasing level of care for specific patient – Mass personalization

- PHM can help finding the epicenters of epidemies in specific regions and help manage them properly

- Alerting members of „treatment group" on specific events can lead to better management of health problem logistic

- If it is possible to measure outcomes of the whole system – then it is possible to change specific mechanisms to improve it
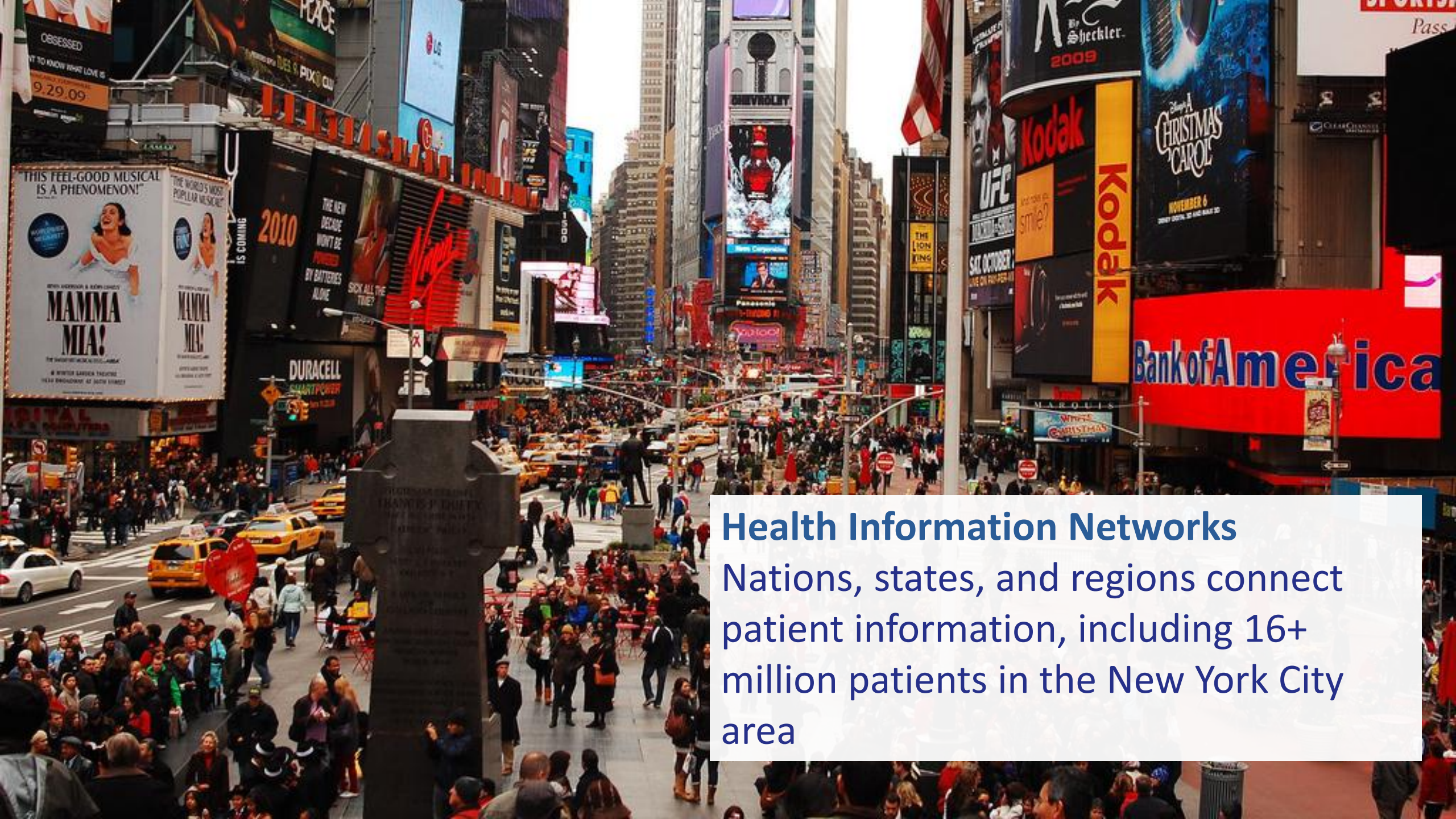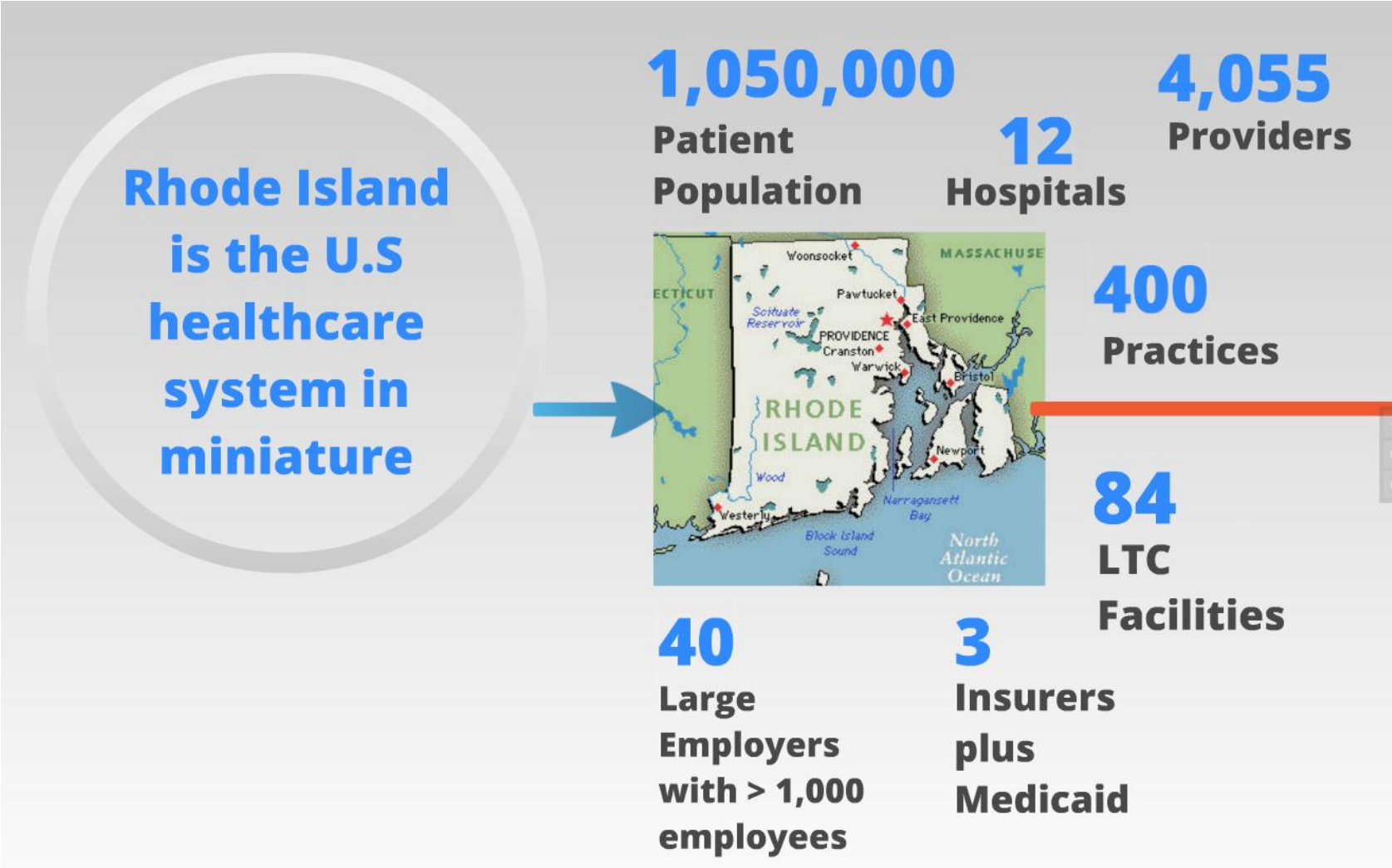
Health Information Networks
Nations, states, and regions connect patient information, including 16+ million patients in the New York City area

Coordinate My Care (London) is running program for patients in terminal stage of life that supports specific needs in their health plans
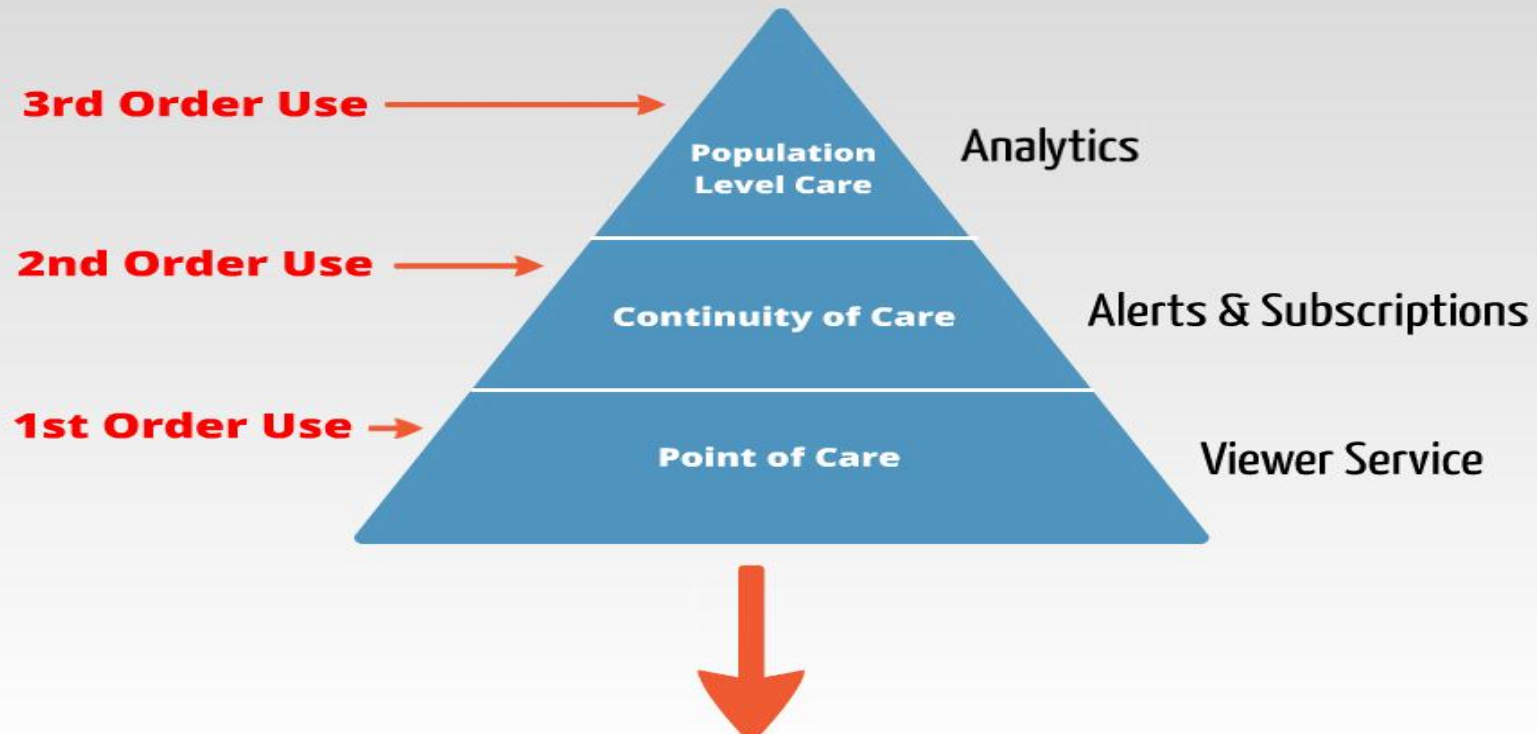
Rhode Island Quality Institute

Rhode Island is the U.S healthcare system in miniature

1,050,000 Patient Population

12 Hospitals

4,055 Providers

400 Practices

84 LTC Facilities

40 Large Employers with > 1,000 employees

3 Insurers plus Medicaid

Rhode Island Quality Institute

We see 1st, 2nd, and 3rd order benefits

3rd Order Use → Population Level Care — Analytics

2nd Order Use → Continuity of Care — Alerts & Subscriptions

1st Order Use → Point of Care — Viewer Service

Rhode Island Quality Institute

DM – Blood Pressure Good Control (< 130/80) –3Q 2011

Based on Data Reported to ONC on 10/17/2011
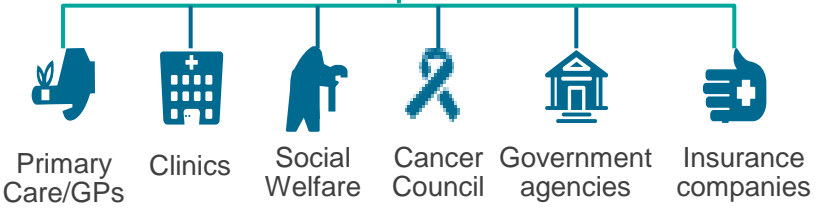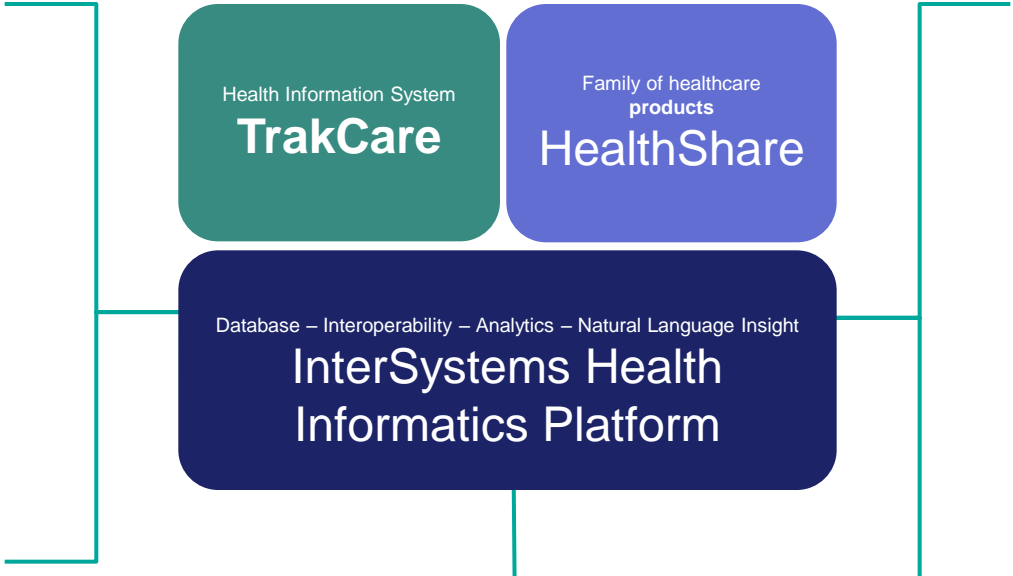
Release 10/24/2011

12 of 26 Practices (46.2%) Attain Target

Green – Attained Target Value
Yellow – Within 10% of Target Value
Red- Not Attained Target Value
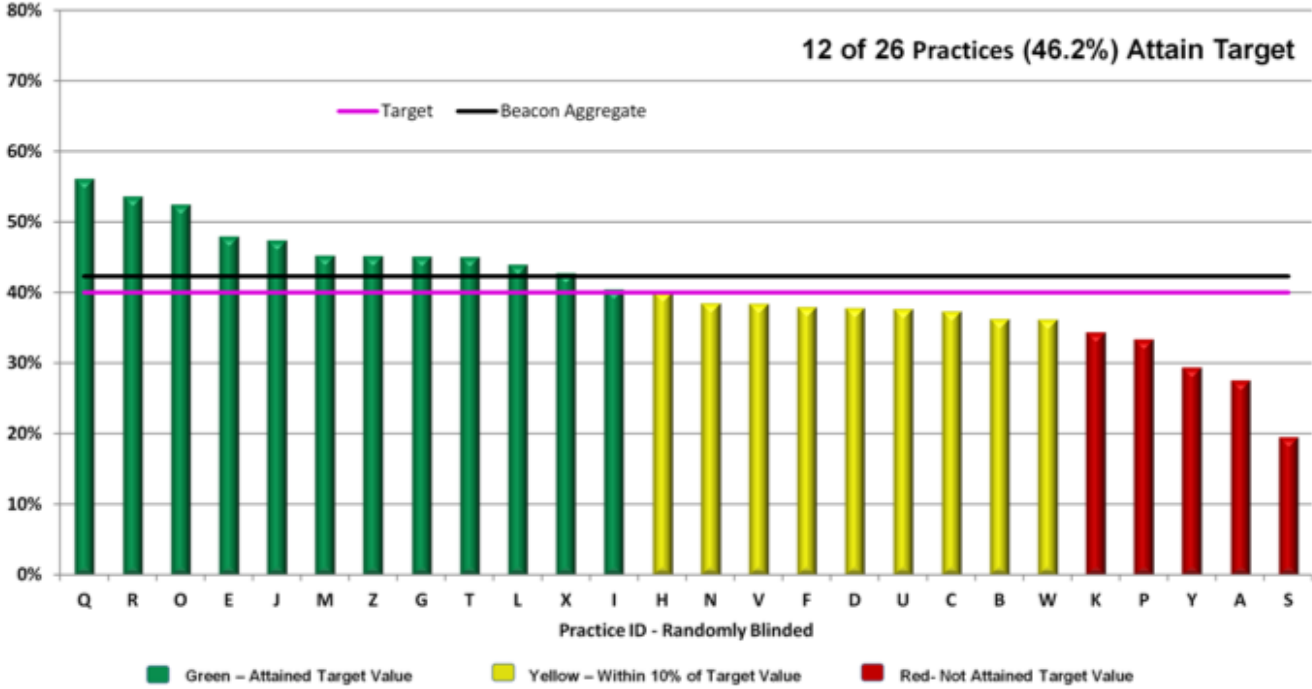
FIGURE 6. Percentage of diabetic patients, in each of 26 reporting Beacon Practices, attaining the targeted outcome for Blood Pressure Control (<130/80). Values for the randomly blinded Practices are arranged in descending order (for this measure, the target is to increase the % of patients with Good Control of Blood Pressure). The purple line indicates the Beacon Target for this measure, and the black line indicates the aggregate value among all Practices reporting on this measure. Note the variation in values among the Practices.
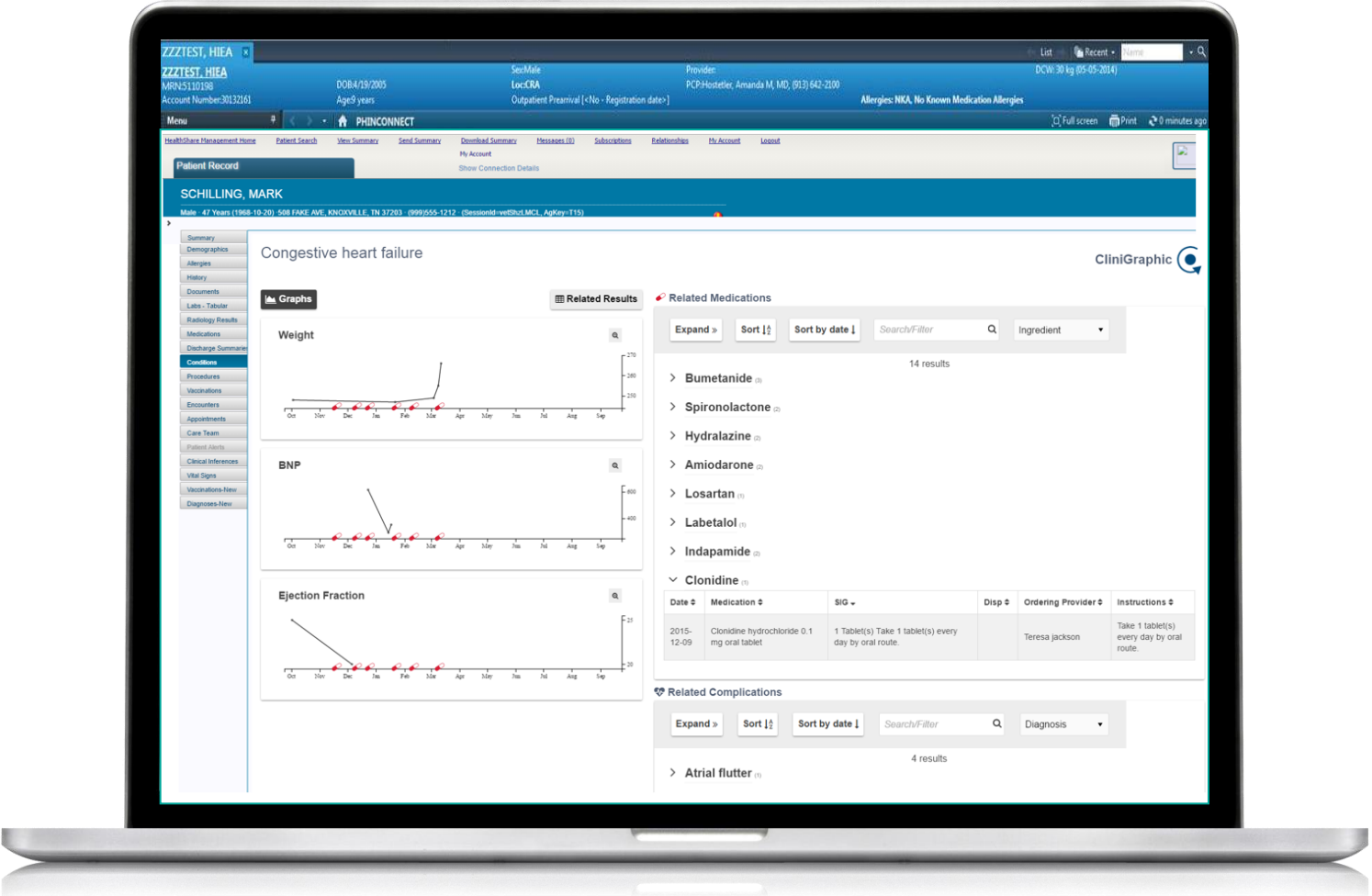
InterSystems: Platforms + Solutions in Healthcare

TrakCare
Primary Care
Specialty Care
Emergency Care
Acute Care
Outpatient Care
Community Care

Health Information System
TrakCare

Family of healthcare **products**
HealthShare

Database – Interoperability – Analytics – Natural Language Insight
InterSystems Health Informatics Platform

Primary Care/GPs   Clinics   Social Welfare   Cancer Council   Government agencies   Insurance companies

HealthShare
Patient Engagement
Identity Management
Consent Management
Connectivity
Aggregate Patient Record
Business Intelligence
Natural Language Insight

HealthShare – Clinical Viewer

Personal Community

HealthShare – Health Insight

What We Do

80 countries

Over 500 million patients

Billions of stock transactions per day

Over 1 billion stars
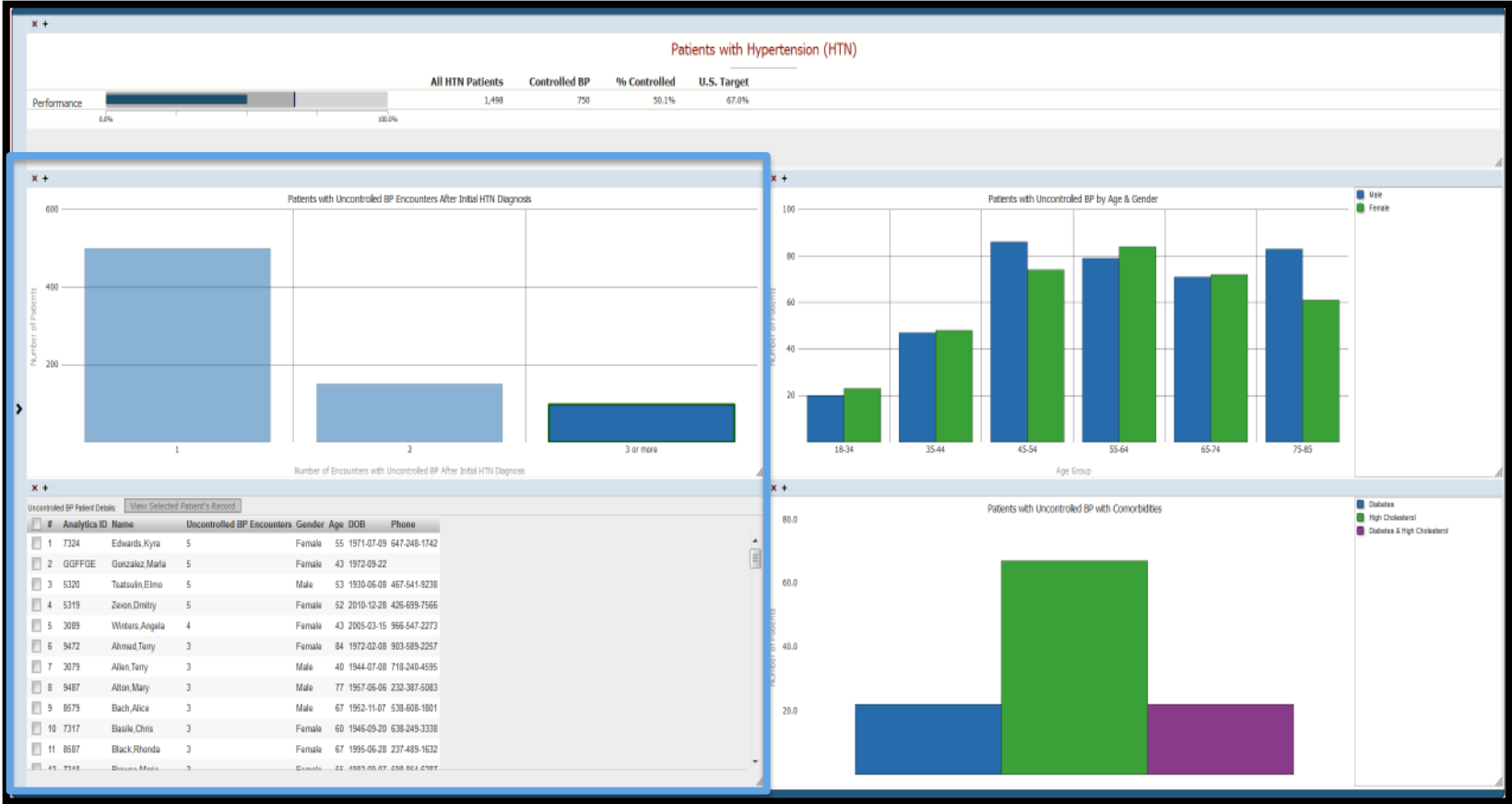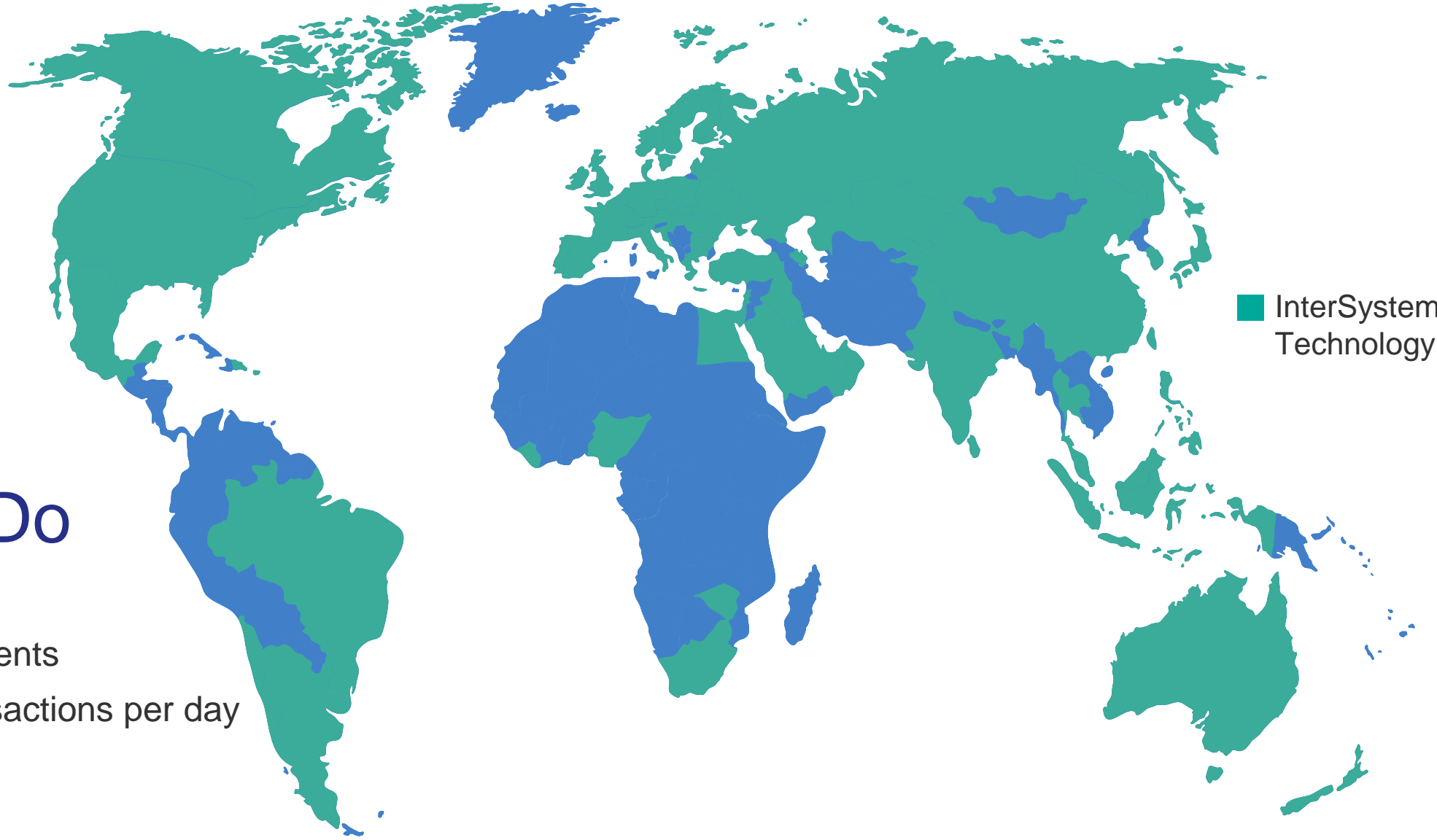
InterSystems
Technology
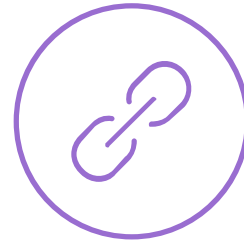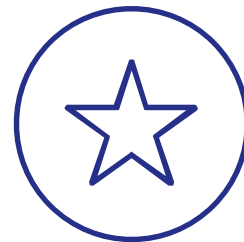
Business Philosophy
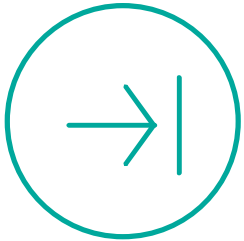
Privately owned,
no outside pressures

Partnership,
the core of our entire
business model

Profitable, consistently
profitable, positive
cash flow

Pride, the primary
motivator of our
developers and staff

Questions?

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InterSystems®
Health | Business | Government

The power behind what matters.