

Health Sciences Network

Real-time Access To Healthcare Data for
R&D Through Post Market Research

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21, October, 2014

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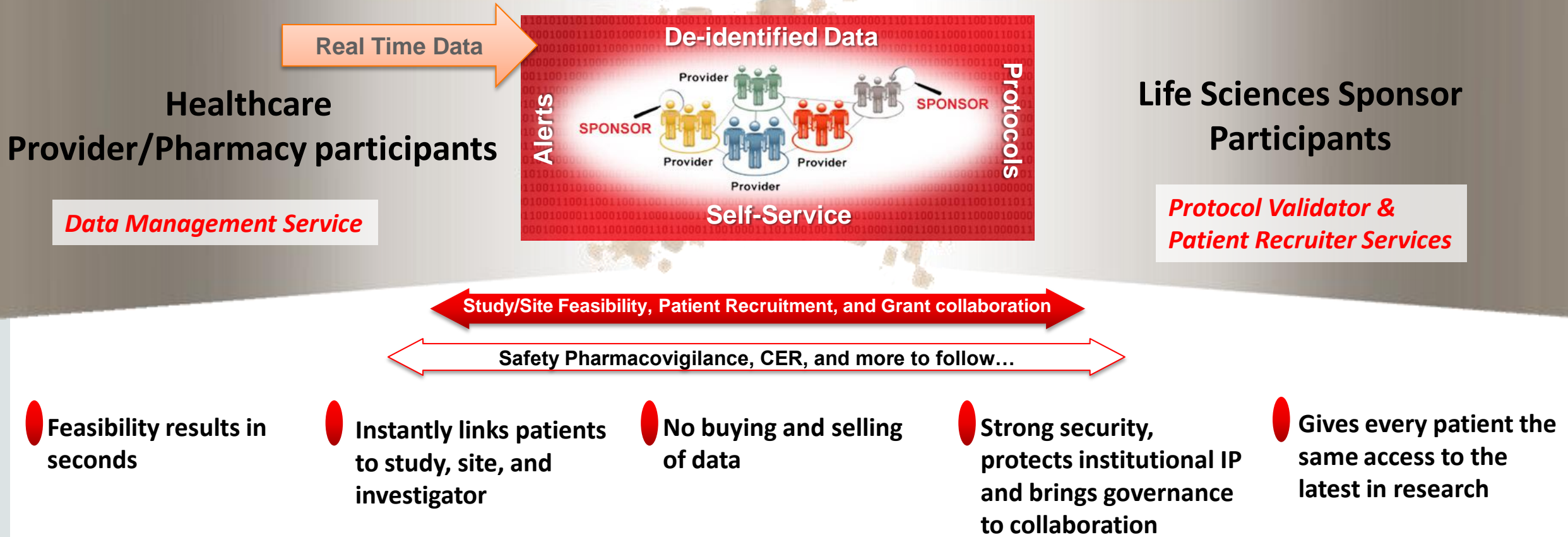
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Safe Harbor statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Health Sciences Network (HSN)

A collaborative network



Data Management Service

Protocol Validator & Patient Recruiter Services

Network Participants Include:



Health Sciences Network (HSN)

Opportunities for bio-pharma / med device industries

- Access to EHR through HSN Protocol Validator and Patient Recruiter enables
 - **R&D**
 - Epidemiology studies
 - Feasibility assessment and minimize amendments
 - Early site / investigator identification
 - Trial recruitment – Predictability, Quality, Speed
 - Access high quality samples for companion diagnostics research
 - **Safety**
 - Pharmacovigilance monitoring
 - **Post market**
 - Comparative analytics
 - Competitive insights

Sponsor Feasibility on HSN

Leverage the data and link into provider side processes

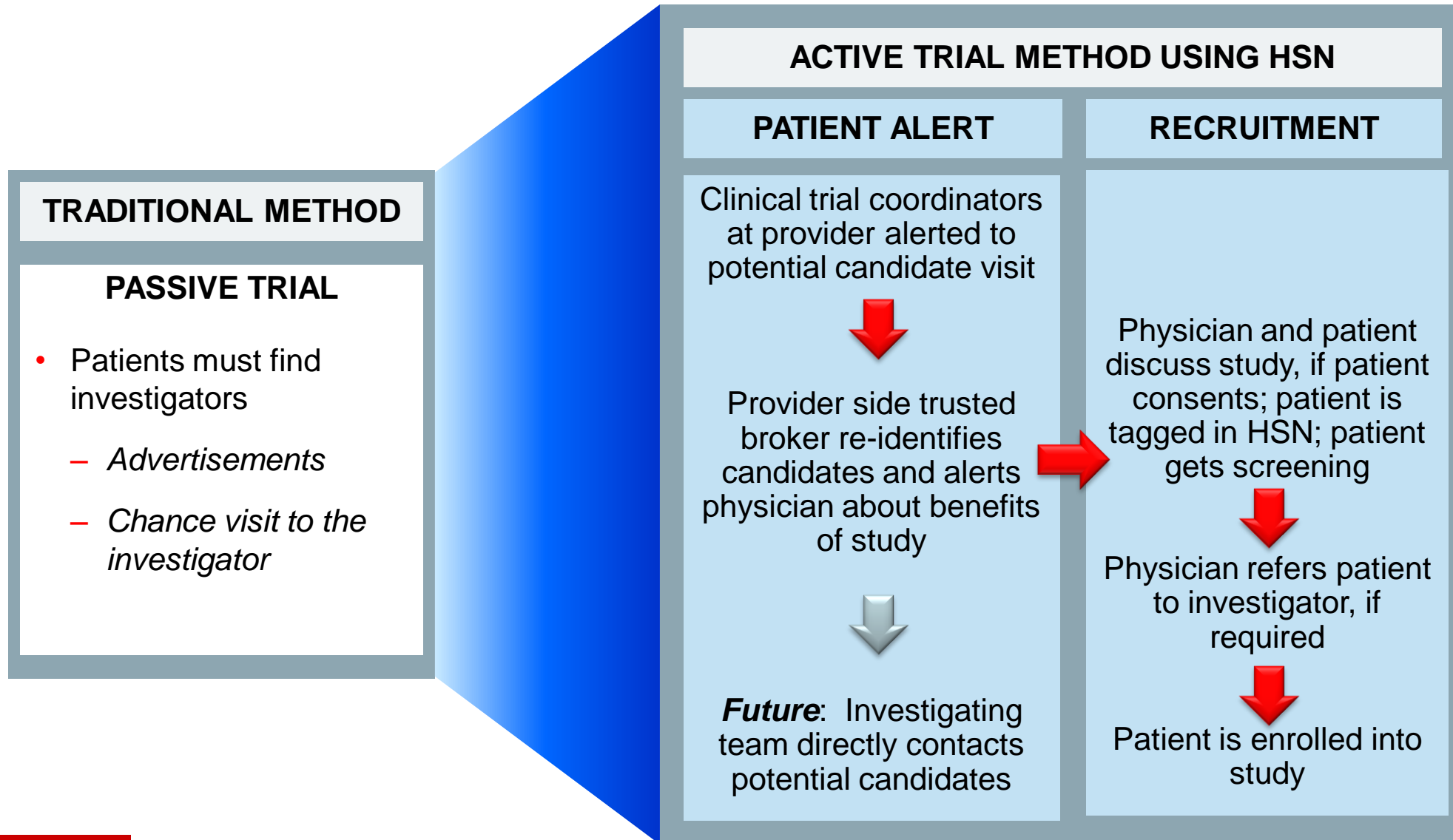
- **Access to near real-time data**
 - No more purchasing static data or having to build massive databases for feasibility
 - Brings power of the data directly into the hands of study teams (sponsor and IIT)
 - Easy to use user interfaces for inclusion/exclusion criteria builder and get instant results
 - **Save time and money by not building multiple custom databases or waiting for feasibility query results**
- **HSN brings healthcare institutional level relationships to sponsors**
 - Institutional relationship versus PI centric relationship translates for faster response times from sites
 - HC/Pharmacy institutions incentivized to assist in decisions on patient distribution and multi-site studies
 - **Save time and money by completing site feasibility early in the protocol criteria design phase**
- **High quality de-identified electronic medical records data**
 - Updated on a nightly basis with 5+ years of longitudinal data on patients
 - Complex protocols will require access large quantities of high quality clinical data
 - **Save time and money by minimizing protocol amendments and building more accurate protocols**

Patient Recruitment on HSN

Leverage the data and link into provider side processes

- **Information driven decision making for clinical trial operations**
 - Brings power of the data directly and instant results into the hands of clinical trial operations teams
 - HC/Pharmacies optimize patient identification and out-reach for clinical trial enrollment
 - Complete site and investigator selection early in study design phase
 - Minimize site start-up timelines
 - **Save time and money by selecting sites/PIs based on population metrics ,not guesstimates**
- **HSN driven model for system-wide enrollment reach**
 - Institutional relationship versus PI centric relationship helps to reach more patients across provider network
 - HSN alerts clinical trial coordinators on new candidate/qualified candidate visit to any of its hospitals , clinics or pharmacies
 - HC/Pharmacy institutions have access to integrated data and technology to optimize site performance
 - **Save time and money by increasing site staff efficiency, effectiveness and productivity**
- **Integrated workflows with pharmacies and healthcare providers**
 - Ability for sponsors to share protocol criteria with pharmacies and HC providers to assist with site and investigator decisions
 - Monitoring study progress in real time
 - **Save time and money by increased visibility throughout enrollment period and complete enrollment targets**

Transition to a system-wide active trial method



Thank you!

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