<u>National Cancer II</u>



Powering Collaborations in Clinical Research

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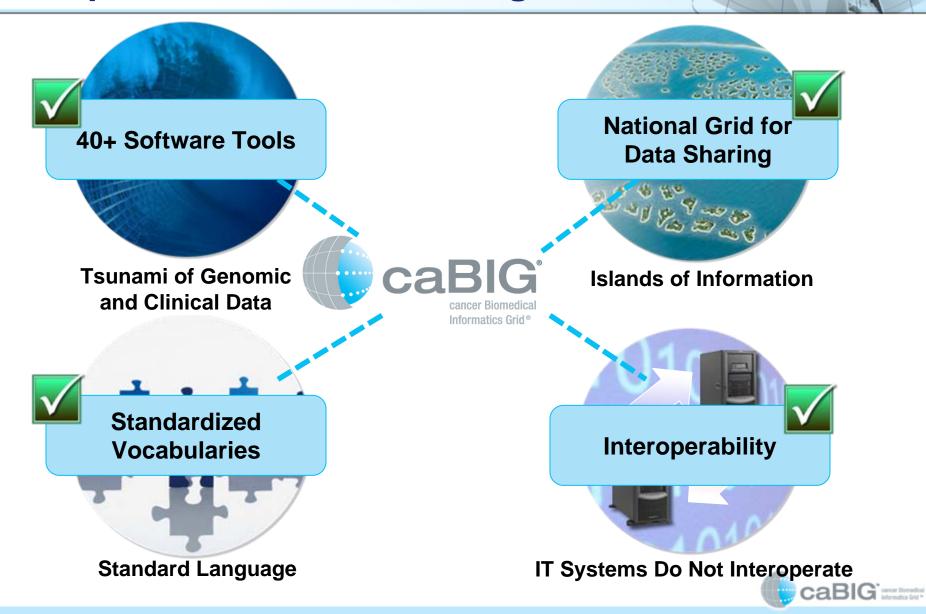
Agenda



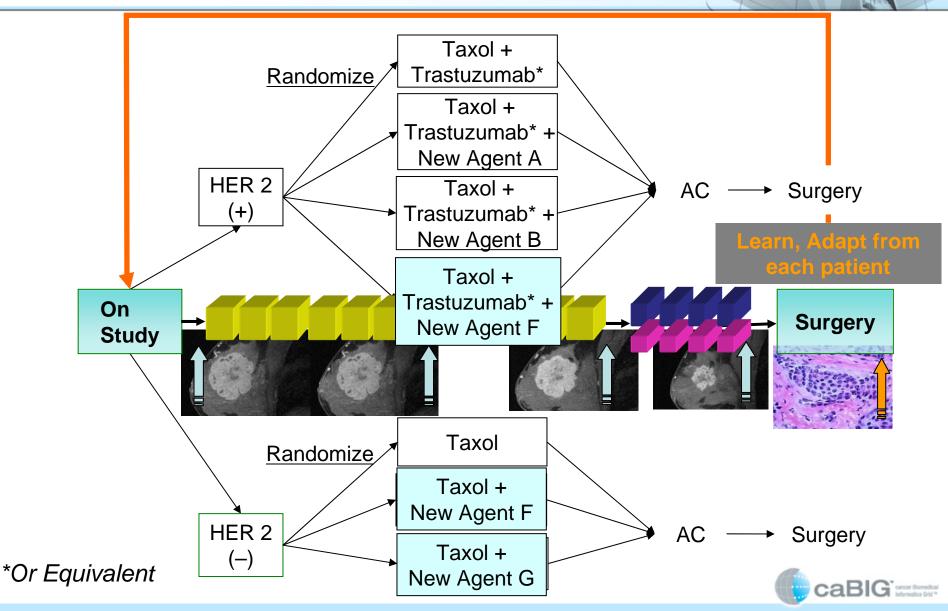
- Setting the Scene (Speakman)
 - caBIG[®] is enabling live, real world, collaborative, adaptive trials today
 - caBIG[®] provides a transformative architecture for clinical trials
- caBIG[®] Clinical Trials Suite Demo (Dyer)
 - Free, open source, stable, secure, supported reference implementations of the architecture available today
- Lessons Learned from Deployment (Topaloglu)
 - Leveraging caBIG[®] enterprise-wide



NCI's Mission Requires an Informatics Response to These Challenges



caBIG[®] Applications in Action Now: I-SPY 2 Adaptive Trial



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Interoperability: Eliminating Multiple Sources of Record

- Redundant data inevitably becomes redundant, inconsistent data
- Solution: a semantic servicesoriented architecture
- Single source of record for each data type

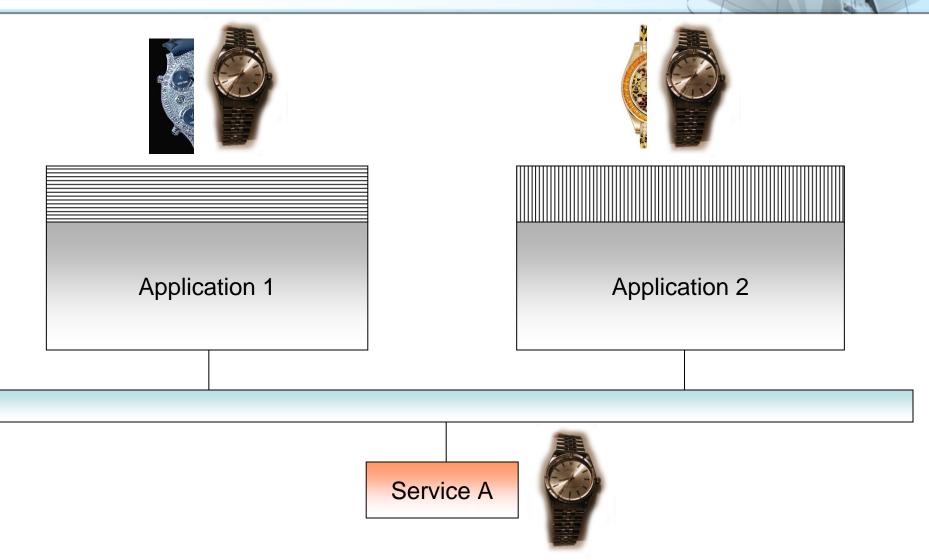


"A man with a watch knows what time it is. A man with two watches is never sure."

Lee Segall



Getting There from Here: Eliminating Inconsistency, then Redundancy

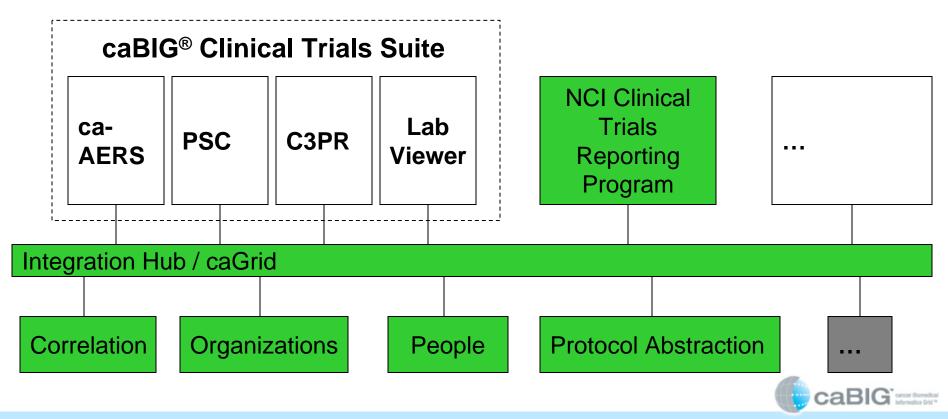




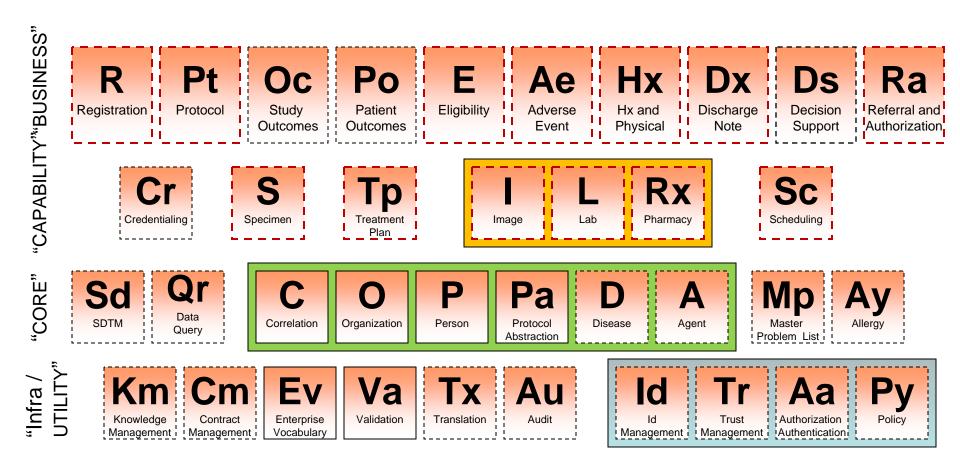
Leveraging NCI Enterprise Services



- NCI is committed to this architecture for its own operations
- For-profit and non-profit developers have already demonstrated apps that leverage NCI services
- Alignment with standards bodies, public/private groups



Roadmap: caBIG[®] "Periodic Table" of Services





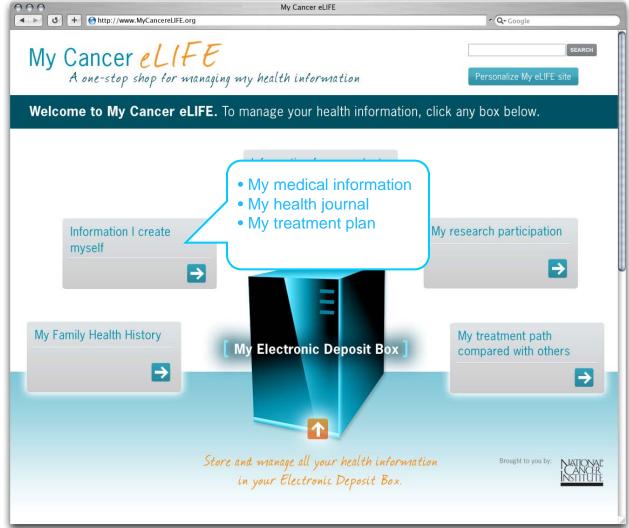
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Information I create myself	→	My research participation
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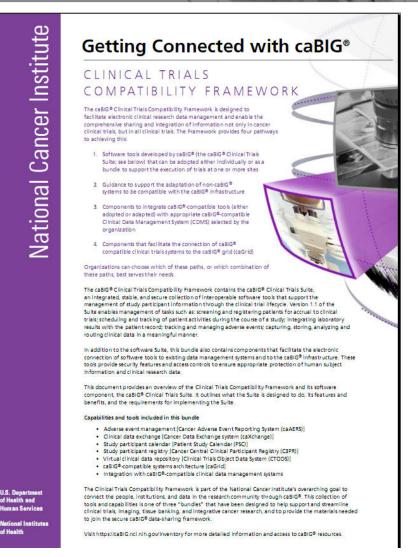


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Information I create	Information from my doctor	My research participation
myself	 Family Health Portrait Access at 	₽
My Family Health History	https://familyhistory.hhs.gov	My treatment path compared with others →
	Store and manage all your health informatio in your Electronic Deposit Box.	Brought to you by: NATIONAL CANCER INSTITUTE



caBIG[®] Clinical Trials Suite

- Production software, ability to leverage services: "NCI content inside"
- Free, open source, non-viral license
- Installable as an interoperable Suite or as components
- Adverse event management (caAERS)
- Clinical data exchange (Integration Hub)
- Study participant calendar (PSC)
- Study participant registry (C3PR)
- Integration with CDMSes via **Clinical Connector**



U.S. Department of Health and

of Health



Online Resources



Clinical Trials Management Systems (CTMS) Workspace	https://cabig.nci.nih.gov/workspaces/CTMS
caBIG [®] Tool Landing Page	https://cabig.nci.nih.gov/tools
CTMS Knowledge Center	https://cabig-kc.nci.nih.gov/CTMS/KC
 Access to CTMS Tools: Recorded Demos Presentations Documentation and Training Materials Live Demo Environment 	 https://cabig.nci.nih.gov/workspaces/CTMS Product shortcuts for each tool provide access to: Recorded Demos Presentations Documentation and Training Materials Live Demo Environment
NCI Center for Bioinformatics (NCICB) Open Source Project Site	http://gforge.nci.nih.gov
caBIG [®] Product Representative	cabigproductrep@nih.gov







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caBIG[®] at Bio-IT World 2010



- The BIG Idea: Strategies to Achieve a Rapid-Learning Health System – Ken Buetow, Ph.D.
 - Wednesday, April 21, 2:45 pm Amphitheater
 - Plenary, Tracks 2,3,4,6,7
- caBIG[®] in the Trenches: Deploying an Infrastructure that Enables Collaboration – R. Mark Adams, Ph.D.
 - Wednesday, April 21, 12:00 noon City View 2
 - Track 2: IT Infrastructure Software
- Developing and Implementing caBIG[®] Enterprise Services – George Komatsoulis, Ph.D.
 - Thursday, April 22, 12:00 noon City View 2
 - Track 2: IT Infrastructure Software

Visit caBIG[®] at Booth #200-202

