



Franchising Analytics

decentralizing analytics across the organization

HiMSS

CENTRAL & SOUTHERN OHIO *Chapter*

about me

- husband for almost 4 years
- father for the almost 3 years
- software engineer by training
- 17+ years specifically in healthcare data management and analytics
- equal parts of my career on the provider & the vendors sides
- co-founder of the very first enterprise analytics specifically built for healthcare
- involved implemented analytic at large academic medical centers, children's hospitals, and large for profit systems

about us

» More than 1.4 MILLION Patient Visits



» 102,991 DONORS raised more than \$107.2 million



America's Largest Children's Hospital



» Patients from 50 U.S. STATES and 52 FOREIGN COUNTRIES



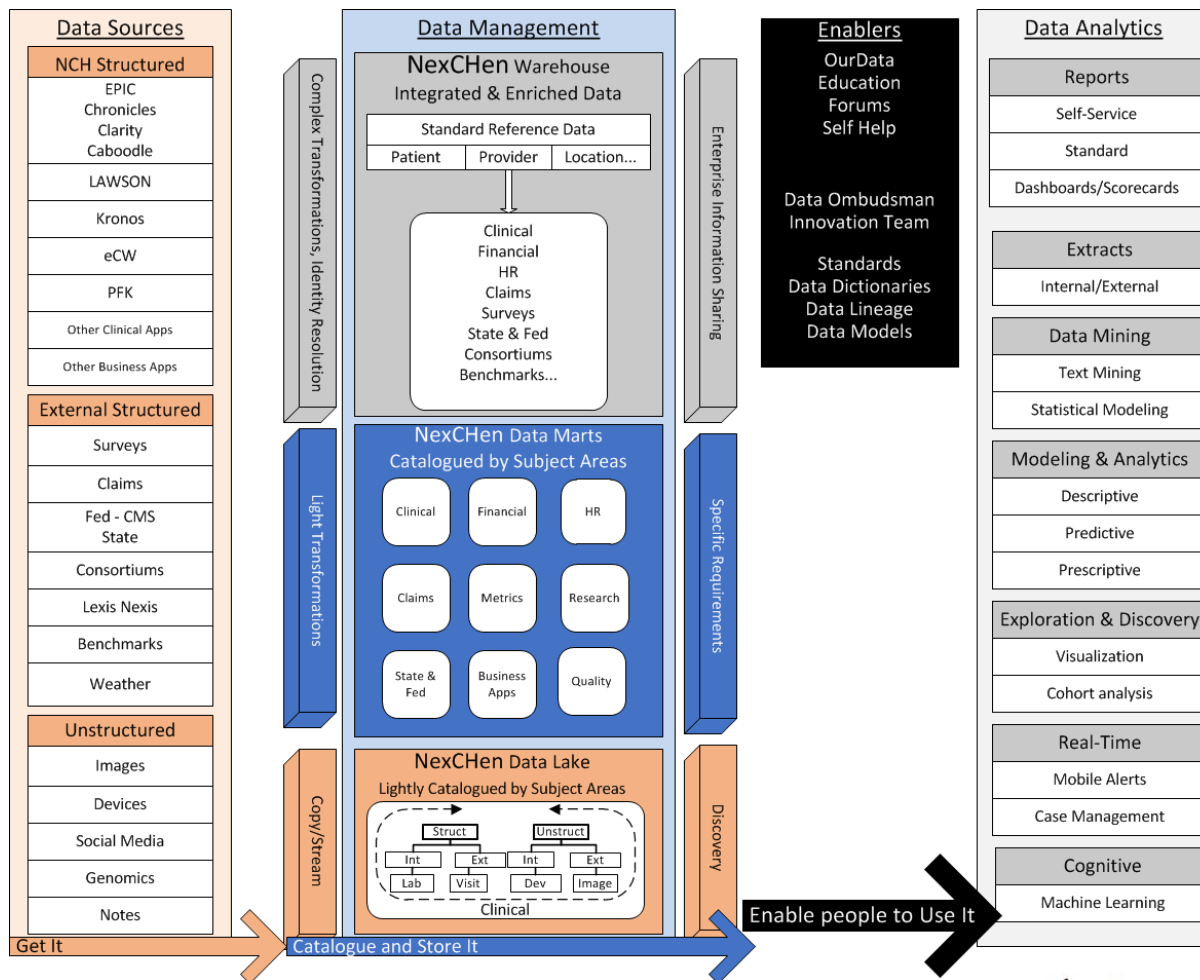
» The Research Institute at Nationwide Children's Hospital IS ONE OF THE TOP 10 NIH-funded freestanding pediatric research facilities in the U.S.



» Once again listed on the *U.S. News & World Report's* Best Children's Hospital Honor Roll, a distinction awarded to only a select few children's centers in the U.S.



our environment



our challenge

- need to scale the expertise the organization has in the Analytics Core Team
- decrease the amount of time between initial data request and when that data is delivered while maintaining or increasing the data quality
- increase stability & consistency of data projects across the organization by adopting standards

organizing ourselves



staffing & organizing

Analytics Core Team

Business Intelligence

- 7 team members
- Qlik, BO, Crystal Reports, R, Python
- trained in process improvement
- deliver training
- relationship management

Data Management

- 9 team members
- BODS
- curate datasets
- resolve identity
- masters data

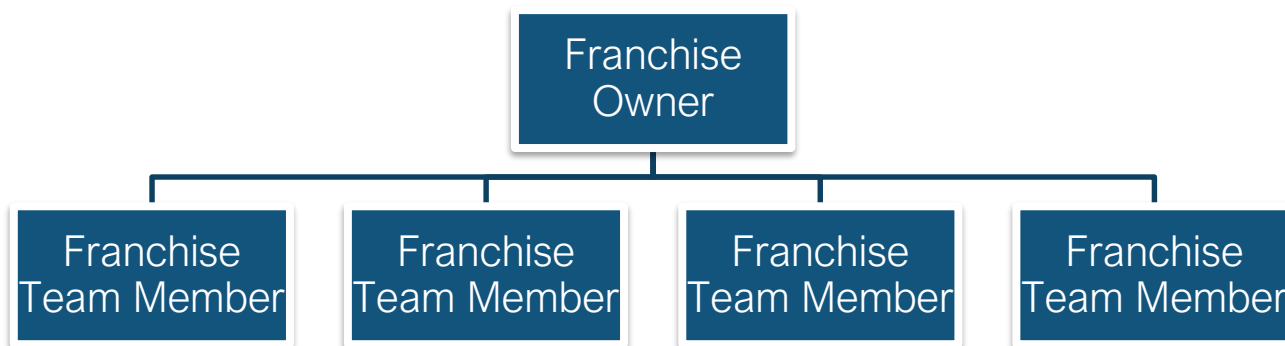
Database Administration

- 4 team members
- Oracle & MS SQL

Analytics Core Team primary responsibilities

- the Analytics Core Team provides server and application support and maintenance on behalf of all teams
 - Qlik, BO, Crystal, Clarity, EDW, PFK DW
- the Analytics Core Team will maintain and enforce centralized policies and processes to support governance and development best practices and communication channels between Franchises and the Core Team
 - e.g. Communication channels- ourData portal, messageBoard
 - e.g. Visualization best practices, presentation standards
 - e.g. Publication process including code reviews
 - e.g. Training opportunities
- the Analytics Core Team will support Franchise Owners in adhering to processes to ensure the ongoing maintenance and improvement of the global level extracts, transforms, curated data sets and visualizations

staffing & organizing a franchise team



franchise owner responsibilities

- Franchise Owners are individuals with operational ties to a Franchise Team and the technical skills of someone on the Analytics Core Team
- Franchise Owners own application-level extractions and transformations as part of the development process
- Franchise Owners own application and support UI development
- Franchise Owners advise the Analytics Core Team on global extractions and transformations based on the experience they have in developing applications for their team's needs
- Franchise Owners may conduct peer review in lieu of a Analytics Core Team member, provided the reviewer is independent for the application's initial development

summary responsibilities

Analytics Core Team

- provide expert level support on enterprise analytics tools
- establish presentation standards & best practices
- establish coding and standards
- create and maintain global resources
- server administration including upgrades
- publish application and content

Franchise Owner

- provide business knowledge
- create application specific extractions and transformations
- develop and publish applications for their franchise area
- audit application to ensure compliance with standards for their franchise area before publishing
- control access to applications for their franchise areas
- participate in as moderator in data community group communication areas

Franchise Team

- collaborate with franchise administrator on issues
- application design
- data validation
- metric management for their franchise area
- actively participate in data community group communication areas

keys to success

- staff the team appropriately
 - more than just technical skillset
 - need account management skillset
 - need training skillset
- publish & strictly enforce standards
 - e.g. code standards, UI, etc...
- identify strong Franchise Owners

Question

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