

Intermountain Healthcare Journey implementing UDIs

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Hospitals/Clinics

Hospitals	25*
Licensed beds	2,847
Clinics	225

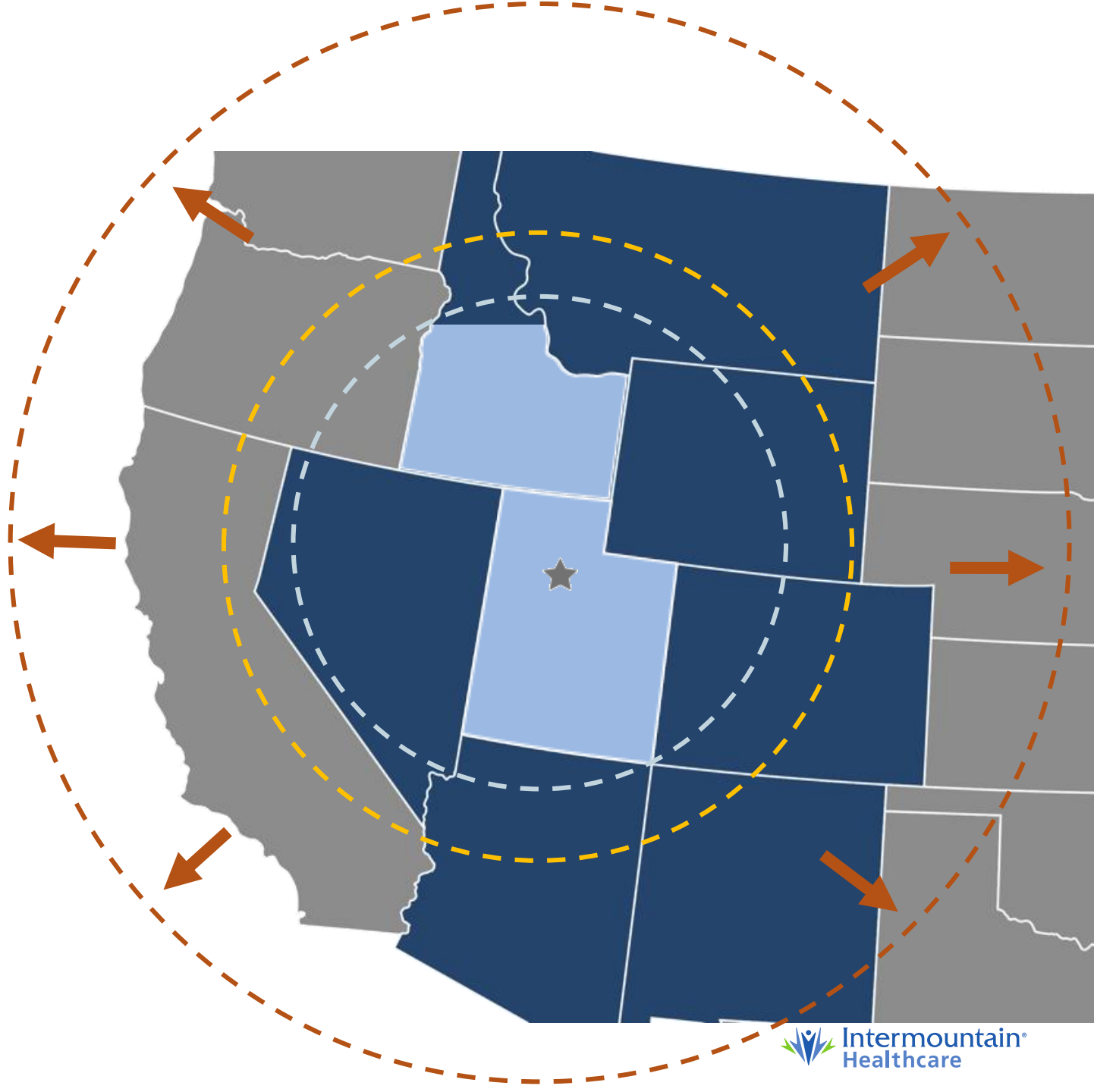
**Includes 1 virtual hospital*

Insurance

Members	940,000
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Staff

Caregivers	42,000
Employed physicians + APPs	3,000
Affiliated physicians	5,250

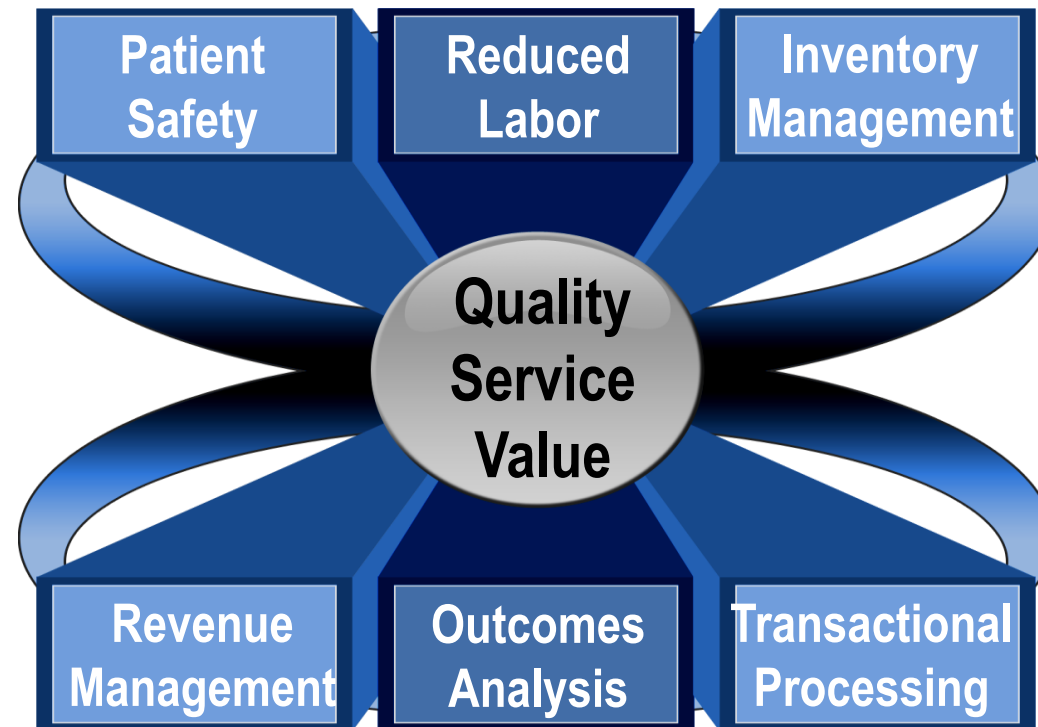


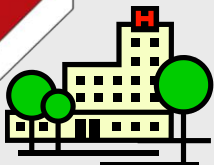
Intermountain Healthcare Journey implementing UDIs

- Where & Why we began this journey
 - Our Why
 - Advocacy and early adoption
- The UDI Regulation
 - Early Adoption Learnings/Opportunities
- UDI in use
 - Where are we today



a world with Perfect data . . . Our WHY





Just 1 Hospital

Many Proprietary Numbers for Each Customer

St. Michaels	St Michaels	St. Michael's	Saint Michaels	100084547	CA2053
50003000431	1000014082	1000014769	1000042141	1000118699	50003000306
50003000308	50003000309	50003000312	50003000313	50003000314	50003000315
50003000316	50003000330	50003000366	50003000406	50003000422	50003000426
50003000431	50003000432	50003000433	50003000440	50003000442	50003000453
50003000456	50003000468	50003000472	50003000473	50003000476	50003000477
50003000480	2104372	2104379	2108919	JGGG	(178 Total)



Many Product Numbers for Each Product

BD	329461
BD	00382903294619
CARDINAL HEALTH	BF329461
OWENS & MINOR	0722329461
OWENS & MINOR	0723329461
AMERICAN MEDICAL DEPOT	777127217
AMERICAN MEDICAL DEPOT	777127218
GOVERNMENT SCI SOURCE	FSC1482679CS
GOVERNMENT SCI SOURCE	FSC1482679PK
ALLIANCE JOINT VENTURE	888021932
THOMAS SCIENTIFIC	8938M25
THOMAS SCIENTIFIC	8938M28
VWR INTERNATIONAL	BD329461

350+ Ways to Spell BD (1 Customer)

B D VACUTAINER DIV	B-D DIAGNOSTICS
B-D SUP CHAIN SVCS	BD / ELASTIC HEALTH SUPPORT
BD BLOODCOLLECTION	B D ACUTECARE
B-D LABWARE	B-D VASCULAR ACCESS
BD ACUTECARE	BD CONVENTION NEEDLES
B D DIAGNOSTIC	B-D MICRO BIOLOGY SYSTEMS
B.D. MICROBIOLOGY	BD ACUTECARE DIV
BD CRITICAL CARE	B DICKINSON
B-D MICROBIOLOGY	BARD PARKER
BD ACUTECARE DIV.	BD DBA BECTON DICKINSON AND CO
B&D	B-D MICROBIOLOGY SYSTEMS
BARD-PARKER	BD BIO SCIENCE
BD DIAGNOSTIC	B-D
B-D PRIMARY CARE	BARD-PARKER RESPIRATORY
BD BIO SCIENCES	BD DIAGNOSTIC INSTRUMENT SYST
B-D / VISITEC	B-D PRIMARY CARE DIAG

Advocate & Early Adopter

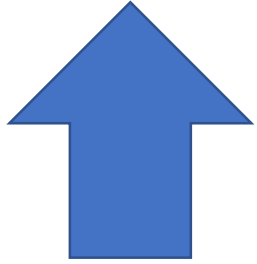
Before there was regulation . . .

- Activism – several standards groups eventually merged efforts into three key groups
 - GS1 US Healthcare
 - Formation of Healthcare Transformation Group (HTG)
 - Geisinger Health, Intermountain Healthcare, Kaiser Permanente, Mayo Clinic, Mercy Health and 2018 add FMOLS
 - Working Calls & Summits to collaborate with Manufacturers, Solution providers – ERPs, EMRs. Advocacy groups, FDA, etc.
 - Education (internal & external)
 - labeling – types, placement
 - Data exchange (GDSN)
 - Technology prep, scanners, etc.
 - ARHMM Learning UDI Communities (LUC)



Watch a data standards parody here:
https://www.youtube.com/watch?v=g7D6pm_bLyU

UDI REGULATION – 2013!!!



Opportunity

Regulation =
low water mark



- **USE of UDI**
- **P2P “perfect order”**
- **Operational Efficiencies**
- **Patient Safety**
- **Comparative analysis, etc.**

Early Adoption learnings - “Opportunities”

- Disconnect between meeting the regulation requirements and operational down stream effect
 - Varied interpretation of rules “fit, form, function” by manufacture
 - Same item – 12 variations due to plastics mfg change different GTINs
 - Lot vs GTIN change
- Change transparency/timing
- Variation in labeling – stacked, concatenated, 2D, multiple non UDI barcodes
- Technology Solution provider gaps
- Slow provider adoption
- Slow transactional adoption



UDI in use: Where we are today

- Supply Chain operations:

- 96,026 UPNs(GTIN, HIBC, NDC) – 79% of total item master (89% class II/III)
- Data Exchange
 - GDSN
 - GUDID
 - GPO



- 9 Supply Chain mobile applications

- Receipt, putaway, delivery, item maintenance, kanban/ inventory relief, cycle counts, walkin, picking

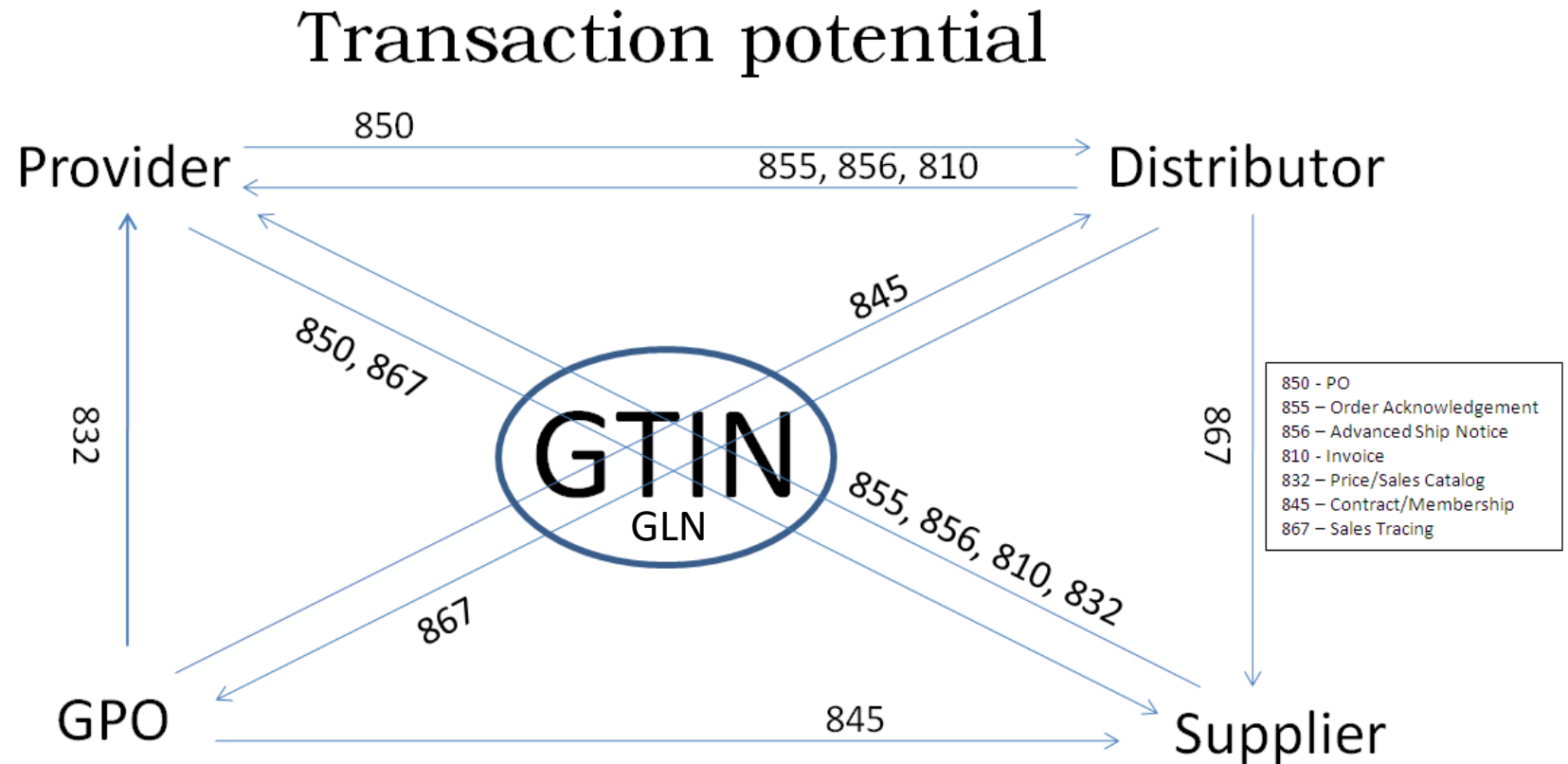
Example:

80% error reduction in Receiving



UDI in use: Where we are today

- EDI – all documents including 832 price files enabled for GLN and GTIN/UDI





UDI in use: Where we are today

- Clinical Integrations
 - Item master
 - Clinical Scans – Cath Lab 90%
 - Operating Room – varies *



- * Working with EMR to improve process



a world with Perfect data . . . The UDI can get us there

- **Perfect Contract**
- **Perfect Pricing**
- **Perfect Order**
- **Perfect Receipt**
- **Perfect Invoice**
- **On time Payment**
- **Perfect Charge Capture**
- **Perfect Patient Data**
- **Improved Patient Safety**
- **Enhanced Comparative Effectiveness Analysis**

