



# Optum: Overview and Data

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# UnitedHealth Group and Public Health Research

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## UnitedHealth Group

Publicly Traded Registrant (NYSE Ticker: UNH)

### UnitedHealthcare

Health care coverage and benefits businesses, unified under a master brand

- Employer and individual
- Community and state
- Medicare and retirement

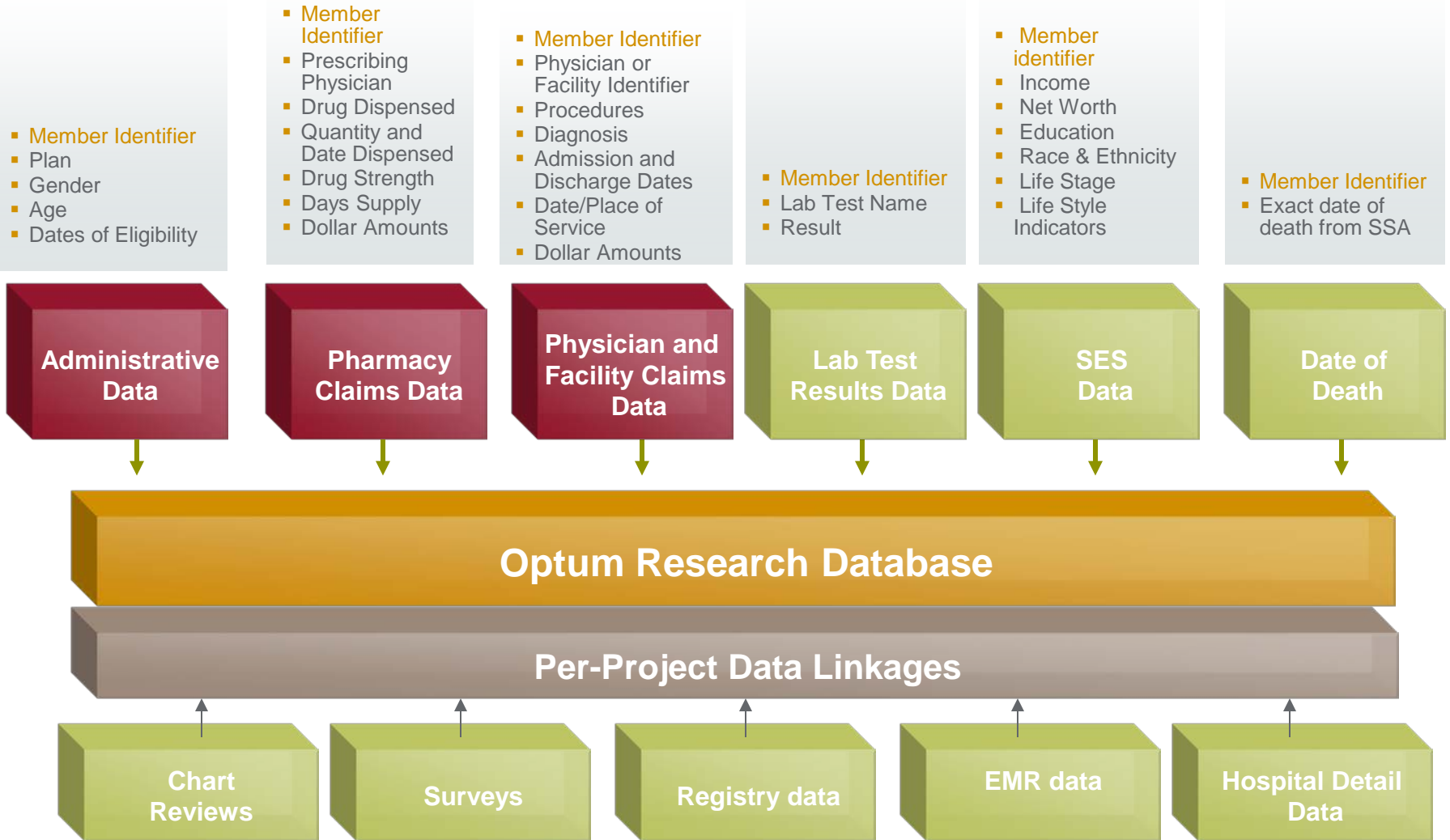
### Optum

Health information technology, services, and consulting platform, focused on the four main health services stakeholders

- Life sciences
- Providers
- Payers
- Governments

# Optum Research Database (ORD)

## Core and Linkable Data Assets

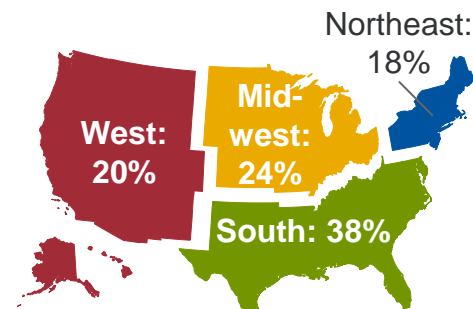
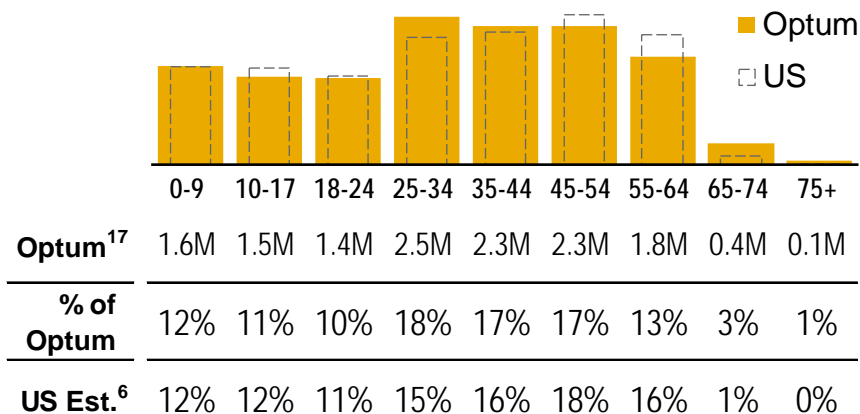


# Optum Research Database

## Affiliated health plans, commercially insured

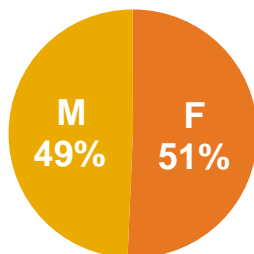
Population with pharmacy and medical benefits<sup>9,10</sup>

Selected demographics<sup>16</sup>, 2014



	West	Mid-west	South	North-east
<b>Optum<sup>17</sup></b>	2.8M	3.3M	5.3M	2.5M
<b>% of Optum</b>	20%	24%	38%	18%
<b>US Est.<sup>6</sup></b>	23%	23%	35%	19%

	M	F
<b>Optum<sup>17</sup></b>	6.9M	7.1M
<b>% of Optum</b>	49%	51%
<b>US Est.<sup>6</sup></b>	50%	50%

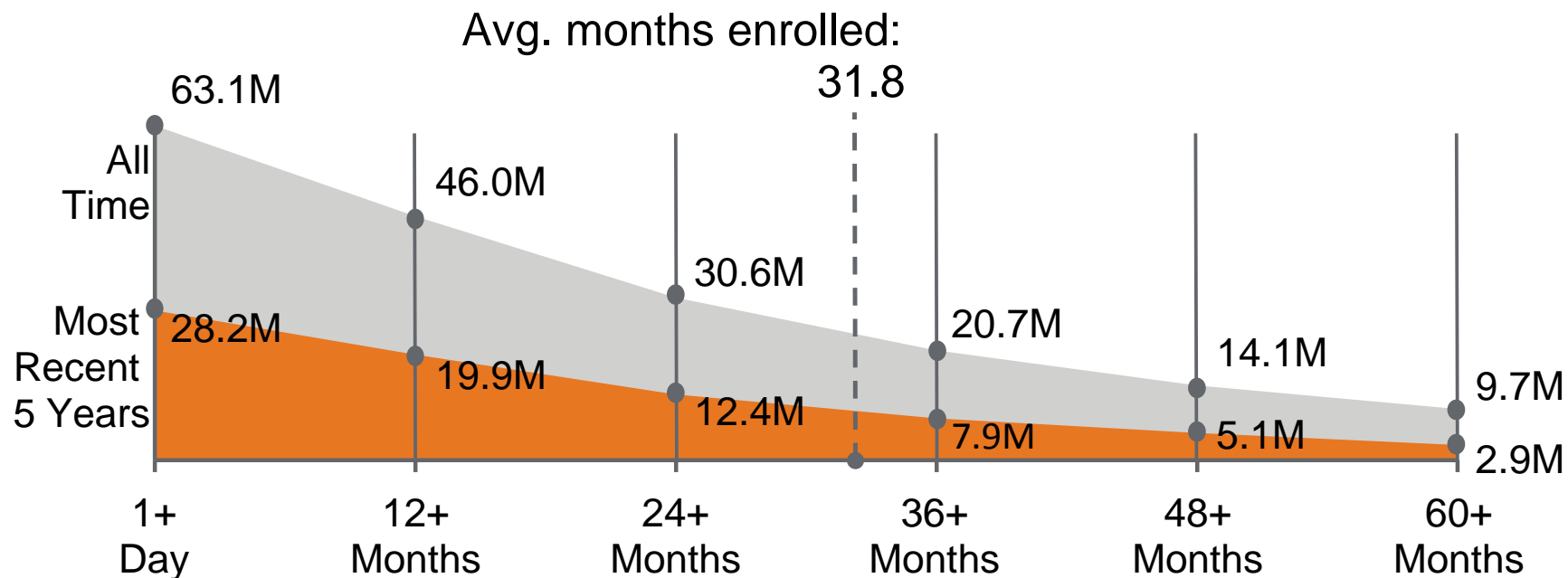


# Optum Research Database

## Affiliated health plans, commercially insured

Population with pharmacy and medical benefits<sup>9,10</sup>

Minimum available continuous enrollment<sup>11</sup>, millions of members, through 2014

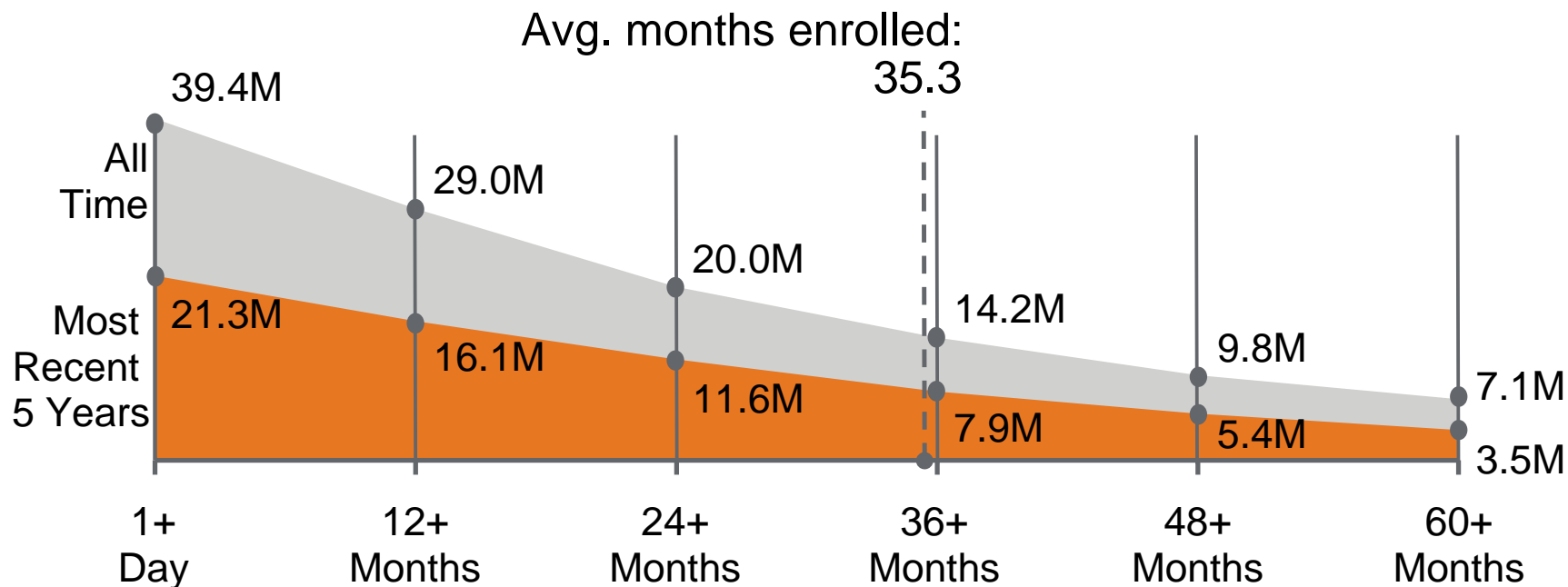


# Optum Research Database

## Affiliated health plans, commercially insured

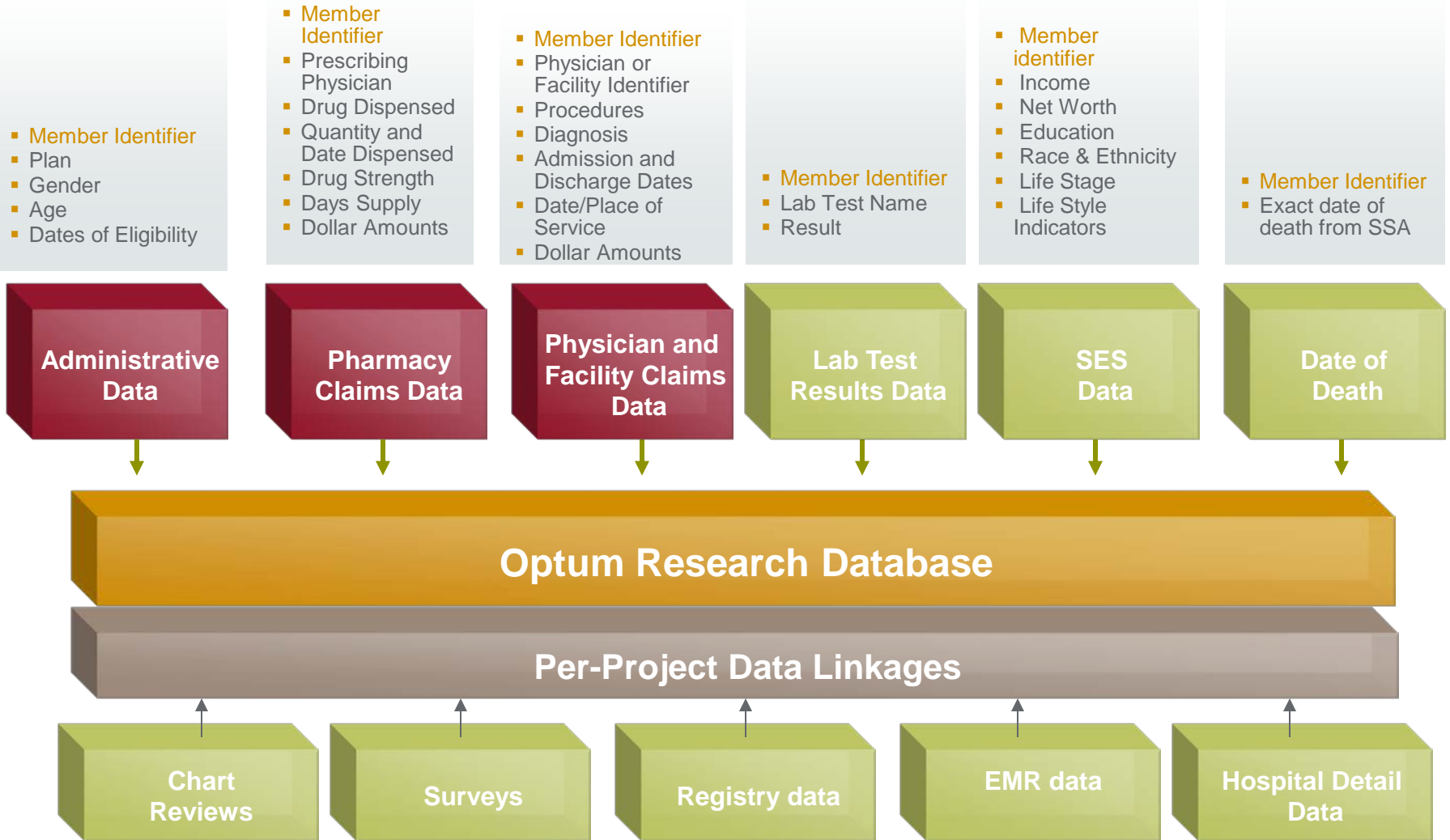
Population with medical benefits only<sup>9,10</sup>

Minimum available continuous enrollment<sup>11</sup>, millions of members, through 2014

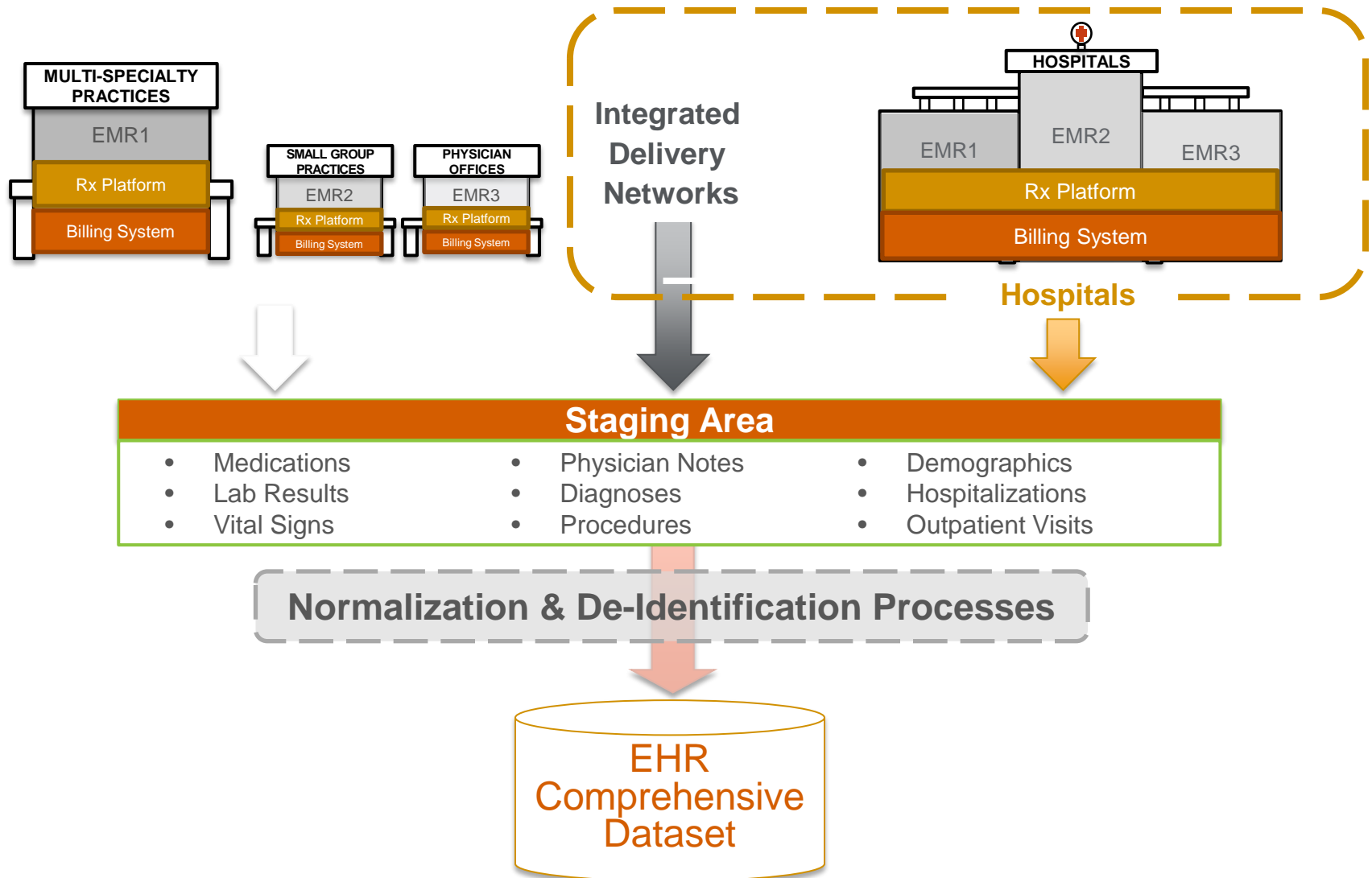


# Optum Research Database (ORD)

## Core and Linkable Data Assets



# Optum Electronic Health Records Data Data Flow





# Optum Clinical and Claims Data, Data Through 2014

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Data inputs are integrated, normalized and validated

