Community Updates—
Maricopa Integrated Health System

Anthony Dunnigan, MD, MBI
VP/Chief Medical Information Officer
April 17, 2019
Maricopa Integrated Health System

- Safety-net system for Maricopa County for 140+ years
- Maricopa Medical Center: 555 beds
- Arizona Burn Center: 45 beds, 5,000 visits annually (2nd largest in US)
- Level 1 Adult Trauma, Level 2 Pediatric Trauma
- Behavioral Health Annex and Desert Vista Behavioral Health: 219 beds
- McDowell Health Center: Primary HIV care
- 12 FQHC Family Health Centers: PCMH Certified
- Overall 550,000 visits annually
- 11 Residencies, 700 Student Rotations
## 2016 Payer Mix

<table>
<thead>
<tr>
<th></th>
<th>Inpatient</th>
<th>FHC</th>
<th>CHC</th>
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<tbody>
<tr>
<td>Medicaid</td>
<td>47%</td>
<td>49%</td>
<td>43%</td>
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<tr>
<td>Uninsured</td>
<td>5%</td>
<td>21%</td>
<td>29%</td>
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<tr>
<td>Medicare</td>
<td>8%</td>
<td>5%</td>
<td>5%</td>
</tr>
<tr>
<td>Insurance</td>
<td>18%</td>
<td>23%</td>
<td>29%</td>
</tr>
<tr>
<td>Other</td>
<td>23%</td>
<td>2%</td>
<td>4%</td>
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</table>

MIHS
MARICOPA INTEGRATED HEALTH SYSTEM
Maricopa County Special Health Care District
## Care Reimagined - Timeline

<table>
<thead>
<tr>
<th>Year</th>
<th>Program Management</th>
<th>Program Planning</th>
<th>Project Delivery</th>
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<tbody>
<tr>
<td>2017</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td></td>
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<tr>
<td>2020</td>
<td></td>
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<tr>
<td>2023</td>
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- Ambulatory Care Network
- Replacement Acute Care Hospital
- Expanded Behavioral Health Services

Maryvale regains centrally located emergency room as shuttered hospital reopens in April

Shuttered Maryvale hospital to reopen in April

Construction continues at the Maricopa Integrated Health System Maryvale campus on April 1, 2019.
Maryvale Hospital

- Opened in 1961
- 250,000 Sq Ft
- Closed in 2017
- Purchase: $7M
- Renovations: $68M
- 497 Employees
- Inpt Behavior Health (192 beds)
- ED + CDU (40K Pts)
West Valley Primary & Specialty Care Center

Looking southwest
West Valley Primary & Specialty Care Center

- [https://public.earthcam.net/tJ90CoLmq7TzrY396Yd88PoR-JgrhHupPz8PPiw58vU!/MIHS/Camera/View%201](https://public.earthcam.net/tJ90CoLmq7TzrY396Yd88PoR-JgrhHupPz8PPiw58vU!/MIHS/Camera/View%201)
Maricopa Integrated Health System has a new name

The Maricopa Integrated Health System soon will be known as Valleywise Health. Maricopa Integrated Health System
Affiliation moving ahead on schedule

Work groups meeting to work out details of the Alliance

Residency Program Sponsorships consolidated under Creighton

Alliance leadership for GME identified, space for Alliance teams present on MIHS and Dignity campuses

Planning for alignment of Nursing and Allied Health professionals is underway

By July 2018
MIHS: Epic History

October 2009 (Epic v2008)
• Family Health Center -- Chandler
• Comprehensive Healthcare Center -- Pediatrics
• Emergency Department and limited Surgery (scheduling, preference cards, charting)

January 2010
• Comprehensive Healthcare Centers -- Internal Medicine, Dermatology, Nutrition
• Family Healthcare Centers -- El Mirage, Avondale, Glendale, Maryvale, Guadalupe
• Specialty Clinic -- Burn

February 2010
• Family Healthcare Centers -- South Central, 7th Ave, Sunnyslope, McDowell, Mesa
• Comprehensive Healthcare Centers -- Women’s Specialties
• Specialty Clinic -- Behavioral Health

March 2010
• Comprehensive Healthcare Centers -- All remaining clinics

August 2011: Epic v2010 Upgrade

March 2012
• Maricopa Medical Center
• Behavioral Health
• All Hospital Outpatient Departments (i.e. Dialysis)

June 2013: Epic v2012 Upgrade

August 2015: Epic v2014 Upgrade

September 2017: Epic v2015 + 2017 Upgrade

September 2019: Epic v2019 Upgrade
Data! Since 2009...

- Patients: 1,671,581
- Database size: 2.84TB
Research

• Opportunities
  – New health system design
  – New care delivery models
    • Patient-centered care
    • Telemedicine/Virtual care
  – Transition to value-based care “Fee for Quality”
  – Advanced technologies (ex: home devices)
  – Screening SDOH and integrating social care
  – Integrating behavioral health care
Epic Data Model

Epic Data
- Visits, admissions
- Patients, providers
- Medications, labs
- Problems, diagnoses
- Charges, claims
- And more

Caboodle
- Epic + non-Epic data
- Dimensional model

Non-Epic Data
- Patient satisfaction
- Cost
- Claims
- “Epic-like” data
- And more

- Reports
- Dashboards
- Ad-hoc Analysis
Data Model (ex: Parkland)
2017 UDS Data

<table>
<thead>
<tr>
<th>Line</th>
<th>Patients by Race</th>
<th>Hispanic/Latino</th>
<th>Non-Hispanic/Latino</th>
<th>Unreported/Refused to Report Ethnicity</th>
<th>Total</th>
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<tbody>
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<td>Asian</td>
<td>36</td>
<td>1,954</td>
<td>N/A</td>
<td>1,990</td>
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<td>Native Hawaiian</td>
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<td>24</td>
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<td>2b</td>
<td>Other Pacific Islander</td>
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<td>469</td>
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<td>Total Native Hawaiian/Other Pacific Islander</td>
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<td>493</td>
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<td>Black/African American</td>
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<td>11,095</td>
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<td>5</td>
<td>White</td>
<td>51,375</td>
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<td>More than one race</td>
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<td>154</td>
<td>N/A</td>
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<td>7</td>
<td>Unreported/Refused to Report Race</td>
<td>3,090</td>
<td>2,329</td>
<td>224</td>
<td>5,643</td>
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<tr>
<td>8</td>
<td>Total Patients</td>
<td>54,952</td>
<td>35,485</td>
<td>224</td>
<td>90,661</td>
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</table>
I. Applied Clinical Research:

- Social Determinants of Health
- Unique Clinical Population: Burn Psych Trauma HIV

II. Education:

- GME Medical School Allied Health

III. Health System Redesign:

- Prop 480 Support Hospital Teaching Clinics Teaching

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**Strategic Synergy: Leveraging Partners**

**MIHS: Community Resource**

- **“Leveraging Cooker”**
  - Innovations Synergy Collaboration

- $$$ / > Clinical Care
- Education
- Innovation

- ✓ Clinical Teaching Faculty
- ✓ Unique Patient Population
- ✓ Ability to Rebuild Health System
- ✓ Grant Generation
Short Distances to Large Gaps in Health

Life expectancy at birth (years):
- Shorter
- Longer
Questions?

anthony.dunnigan@mihs.org