

# Community Health Needs Assessment

HACIENDA CHILDREN'S HOSPITAL  
2016 – 2018



# Summary

The United States Congress approved the Patient Protection and Affordable Care Act in 2010. This legislation requires that 501(c)(3) hospital organizations conduct a Community Health Needs Assessment (CHNA) every three years and develop an implementation strategy to address the health needs identified.

This assessment adheres to all of the federal requirements of the Patient Protection and Affordable Care Act (ACA) and is made publicly available via the hospital's website at [www.HaciendaHealthCare.org](http://www.HaciendaHealthCare.org).

# Implementation Strategy

This plan represents Hacienda Children's Hospital's strategy to address the significant health need identified as childhood obesity.

## GOAL

Increase the education and awareness level regarding nutritional goals for children within our patient population.

### STRATEGY 1

Provide written materials and resources for children and families to educate them on children's nutritional goals.

### TACTICS

Using resources from nutrition.gov and other related sites provide families with materials on nutrition guidelines.

### STRATEGY 2

Provide families with local resources on how to use their benefits to shop at Farmers Markets or other outlets that provide wholesome foods with economy in mind.

### TACTICS

List all Farmers Markets that accept SNAP/EBT cards as well as pre-made grocery lists that help families shop for foods that are nutrient dense and economical.

### STRATEGY 3

Provide meals at HCH that mirror MyPlate which gives guidelines on servings sizes and offerings. Vending machines in the facility also offer healthier choices than the traditional vending machines.

### TACTICS

Meals for parents as well as children will emulate good nutrition choices in order to expose families to the options they have in healthy eating.

## ANTICIPATED OUTCOMES

Families and patients at Hacienda Children's Hospital will be able to feel more empowered in their food choices and able to provide more nutritionally sound meals for their children and family.

Overall our hope is to reduce the incidence of childhood obesity while educating families on the options they have in choosing foods as well as making appropriate food choices when out of the home.

# Hacienda Children's Hospital

Hacienda Children's Hospital is Arizona's newest children's hospital. In 2015, it joined Hacienda HealthCare's *Los Niños Hospital* as Arizona's second, free-standing, non-tertiary care children's hospital.

Hacienda Children's Hospital is a small 24-bed, non-profit hospital. Hacienda Children's Hospital opened in August 2015, at the bequest of physicians, health plans, patient care advocates and legislators, in order to serve a need in the East Valley for transitional acute and subacute care for medically fragile/complex pediatric patients and at the same time provide a cost savings alternative to lengthy stays at tertiary care hospitals. Hacienda Children's Hospital is governed by a board of directors and is licensed as a specialty hospital with a pediatric designation. Hacienda Children's Hospital, unlike other Valley pediatric hospitals, does not have an emergency room or surgery capabilities.

Located in Mesa, in Maricopa County Arizona, Hacienda Children's Hospital is the leading provider of step down pediatric care in the East Valley. In our first eight months of operation, 99% of patients served by Hacienda Children's Hospital arrived via transfer from another tertiary care hospital in order to receive subacute care and training so they could go home safely. One-percent of patients were directly admitted by pediatricians' offices.

Transfers from Cardon Children's Medical Center accounted for 80% of our total admissions while transfers from the Phoenix Children's Hospital accounted for 9% and transfers from the Maricopa Integrated Health System accounted for 3%. Remaining patient referrals were from various other tertiary care hospitals around the state.

Hacienda Children's Hospital has a dedicated and skilled team of providers working together towards the common goal of getting children home efficiently

training and discharge planning starts on day one of admission and allows our families a safe environment to learn to manage their child's care without frequent return visits to the ER or hospital.

Many of the infants and children that we see are from families that face additional barriers to discharge. These barriers come in many forms: language, social, emotional, financial and even environmental. Our goal is to make sure families and their children are able to go home in the safest manner possible.

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and safely. At Hacienda Children's Hospital we provide care that includes, but is not limited to caregiver training, intravenous therapy, total parenteral nutrition therapy, central line care, complex wound care, gastrostomy and nasogastric tube feedings, oxygen administration, tracheostomy care, and ventilator management. Our family

Hacienda Children's Hospital's mission is to serve the medical community and the children and families of the greater Mesa area by providing quality medical care in a nurturing environment and in doing so become the recognized leader in subacute pediatric care in Arizona.

# The Community We Serve

The community Hacienda Children’s Hospital serves, consists mainly of medically underserved, low income and minority populations. Hacienda Children’s Hospital serves pediatric patients only. The average age of our admissions is 20.3 months old.

The overwhelming majority of our patients are Medicaid recipients. We service the highest number of Medicaid patients of any hospital provider in the state, 96% in our first year. Most families of our patients have multiple children and face additional barriers to health access and have multiple social support needs. Within our first year, 57% of the patients admitted to Hacienda Children’s Hospital were of Hispanic or Native American ethnicity, and 41% were Caucasian.

When families are faced with additional obstacles such as language barriers, homelessness, lack of education etc. they often require more time to train on their child’s healthcare needs before they can safely go home with new medical equipment and/or learn how to care for them appropriately. Tertiary care hospitals are more expensive than Hacienda Children’s Hospital and they do not have the resources to effectively provide one on one training and case management. Hacienda Children’s

Snapshot of 2015 Hacienda Children's Hospital Stats*	
Admissions	63
Patient Days	1,075
Medicaid recipients	97%
Average age of admit	20.3 months old
Ethnicity	23% Hispanic; 34% Native American
Transfers from another hospital	99%
Direct Admits	1%

\*Data gathered from Hacienda Children's Hospital Inpatient Records

Hospital provides the bridge to home for these families and their children.

## COMMUNITY DESCRIPTION

Hacienda Children’s Hospital’s geographic community consists of Maricopa County. The majority of Hacienda Children’s Hospital’s admissions come from Cardon Children’s Medical Center, Phoenix Children’s Hospital and the Maricopa Integrated Health System. Key statistics provided by Community Commons,

(using the US Census Bureau, American Community Survey 2010-2014) regarding the community Hacienda Children’s Hospital serves in Maricopa County include:

- Maricopa County is the 4th most populous county in the U.S.
- 1.2 million Hispanics make up 30% of all residents

## Families with Children

Report Area	Total Households	Total Family Households	Families with Children (Under Age 18)	Families with Children (Under Age 18), % of Total HH
Maricopa County, AZ	1,424,244	935,257	475,746	33.4%
Arizona	2,387,246	1,569,399	760,670	31.86%
United States	116,211,088	76,958,064	37,554,348	32.32%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract

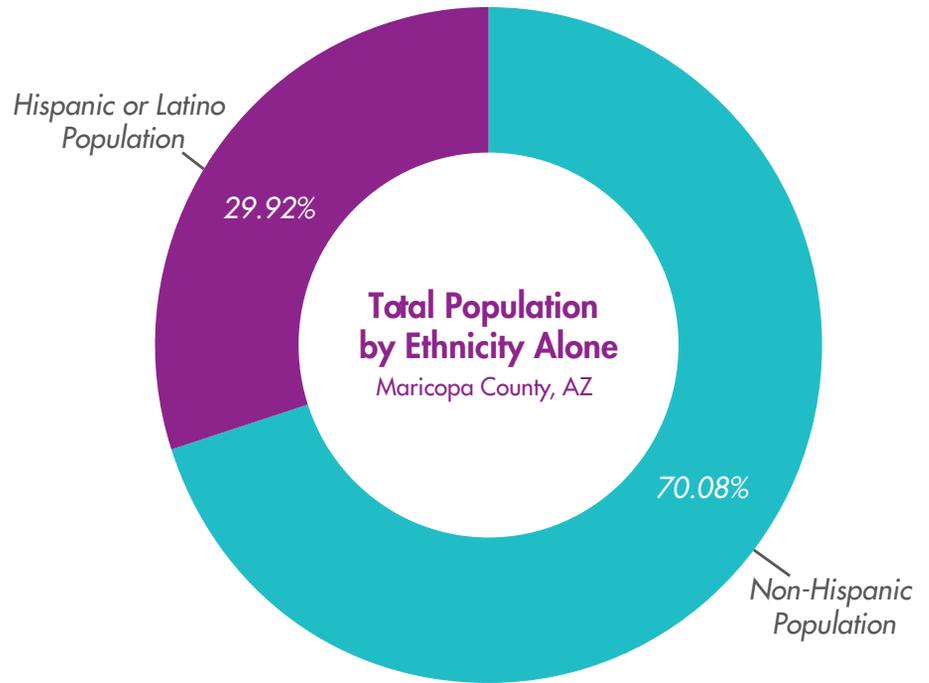
- 14% of the population does not have a high school diploma
- 17% of the population are living below the federal poverty level
- Maricopa County encompasses 9224 square miles including 27 cities and towns and five American Indian Reservations

Families with children: 33.4% of all occupied households in Maricopa are family households with one or more children under the age of 18.

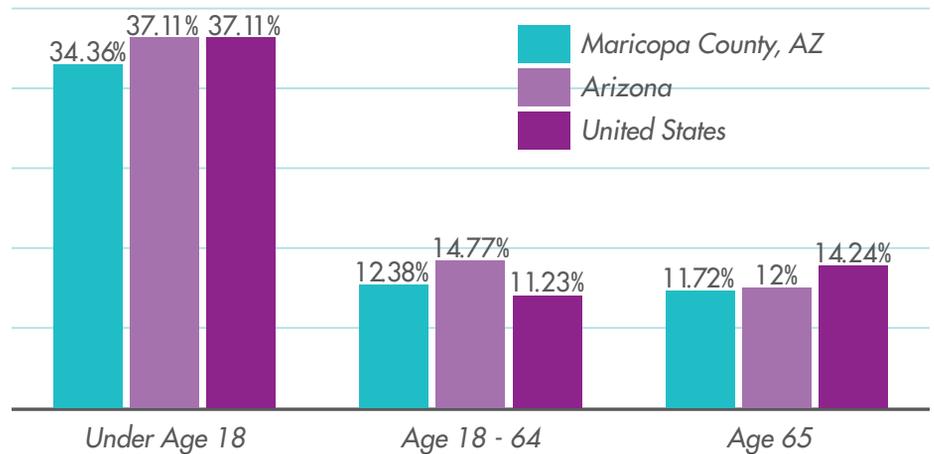
The Hispanic population is the second largest ethnic group in Maricopa, reported at 1,181,100 which is 29.92% of the total. This is greater than the national rate of 16.62%. Of this population, 435,641 are children.

The population of children on Medicaid is 34.36% in Maricopa. This is a vulnerable population which we find are more likely to have multiple health access, health status and social support needs.

In Maricopa, there are 244,118 children living in households with income below the Federal Poverty Level. This creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.



### Population Receiving Medicaid by Age Group, Percent



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract

### Poverty - Children Below 100% FPL

Report Area	Total Population	Population (Under Age 18)	Population in Poverty (Under Age 18)	% Population in Poverty (Under Age 18)
Maricopa County, AZ	3,895,963	996,466	244,118	24.5%
Arizona	6,411,354	1,593,984	412,809	25.9%
United States	306,226,400	72,637,888	15,907,395	21.9%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract

# Process and Methodology

In order to understand the needs within the Hacienda Children's Hospital community we first took into consideration several sources of data. Data compiled at the County level, data compiled by the Public Health Department and data compiled by the health care systems we receive our patients from.

In 2014, the Arizona State Health Assessment was published. This assessment includes public input from community members and agencies, surveys from the underserved and minority communities and analysis of data collected through public data banks. The goal of the assessment is to give healthcare systems a tool to improve health and wellness outcomes. Hacienda Children's Hospital used this data to assess the health needs of our community.

In 2015, the Maricopa County Department of Public Health and Maricopa County area non-profit hospitals reached an agreement to share health data. All four health care systems; Banner, Dignity, Scottsdale Healthcare and Mayo provided data as well as Phoenix Children's Health Plan. Health care partners are often serving the same or portions of the same communities across Maricopa County. This partnership is even more apparent at Hacienda Children's Hospital where over 90% of admissions

in 2015 came from hospitals participating in this coordinated assessment. Hacienda Children's Hospital used this shared information as provided by the Maricopa County Coordinated Community Health Needs Assessment: Dignity Health, as a tool to assess the health needs of our community.

The Arizona State Health Assessment and the Maricopa County Coordinated Community Health Needs Assessment included input from community members and organizations as well as surveys done by underserved and minority members of the community. Hacienda Children's Hospital solicits input from persons representing the community's interest via email and through our Marketing and Philanthropy Department meetings with various organizations and agencies. Hacienda Children's Hospital also continues to receive feedback from family members via surveys conducted prior to discharge regarding perceived community health needs, and incorporate them into our

assessments.

In order to determine what we considered to be a significant community health need, a committee was commissioned to guide the process. The committee analyzed the community health needs identified through the assessments and the initiatives relating more specifically to families served by Hacienda Children's Hospital were distinguished from others. This subset of initiatives was then ranked according to hospital resources, outreach and program development supports available and one was chosen as the focus.

An implementation strategy to address the initiative identified as our focus was forged based on input from Hacienda Children's Hospital leadership and committee members. The Hacienda Children's Hospital Board of Directors has approved this CHNA and implementation strategy.

Written comments on this report can

be submitted by email to CHNA@HaciendaHealthCare.org.

Information gaps to be considered that limit the ability to assess health needs were identified. A hospital the size of Hacienda Children's Hospital has very little resources to devote to ancillary data management. Few demographic criteria are available for analysis. Most statistical information specific to the hospital is gathered manually which may be susceptible to human error.

### SUMMARY OF COMMUNITY HEALTH NEEDS

The following health needs were determined to be of significant importance to the community Hacienda Children's Hospital serves:

#### Access to Health Care

A report from the Center for Children and Families from Georgetown University's Health Policy Institute used Arizona's loss of its CHIP program as an example to the rest of the United States about the gaps in coverage for our children.

- On January 31, 2014 Kids Care II ended and the Kids Care enrollment freeze remained in effect. This left approximately 14,000 children in Arizona without health care coverage. Their families were referred to the ACA's new federal health insurance marketplace where some of them could potentially purchase health insurance.
- The Hispanic population is least likely to have health insurance coverage.

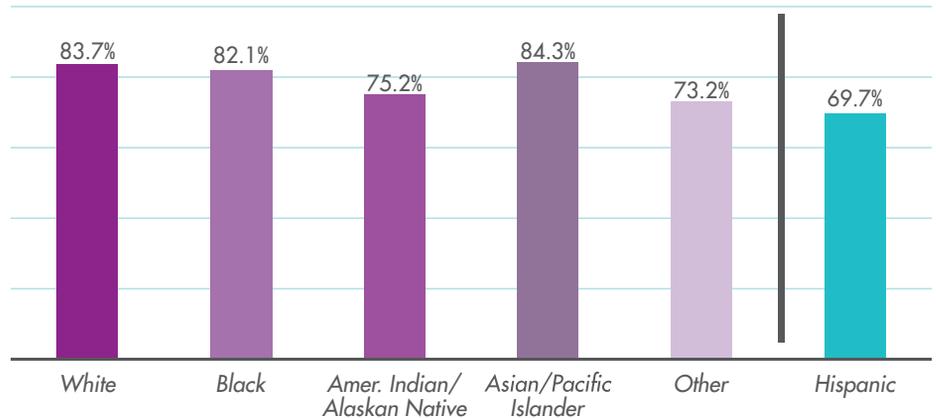
#### Obesity

The 2011 Pediatric Nutrition Surveillance Report by the CDC gave insight to the state of our obesity issues.

- 14.4% of children under the age of five, are categorized as obese.
- Of this same group, the highest rate of obesity is in the American

### Percent of Population with Health Insurance Coverage, by Race and Ethnicity,

Maricopa County, AZ, 2013



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract

Indian population at 20.8% and Hispanic population at 17.5%.

The Maricopa County Department of Public Health also reported obesity statistics in their 2012 Community Health Assessment:

- More than 20% of Maricopa County Residents are obese and more than 40% are overweight.
- For children, 1 in 7 are children in Maricopa County are obese and 15.5% of children 5 years of age or younger are also obese.
- Hispanics are affected more than Caucasians relative to obesity with 32.8% and 22.8% rates respectively.
- Maricopa County Department of Public Health has ranked obesity the 2nd most important health problem and continues to be a growing issue with children.

#### Diabetes

According to the American Diabetes Association, Diabetes remains the seventh leading cause of death in the United States.

- 1.4 million people are diagnosed with diabetes every year.

- Still, approximately 8.1 million are undiagnosed.
- The ethnicities most affected are Native American, 15.9% and Non-Hispanic Blacks at 13.2%.
- Additionally in Maricopa County in 2010, 5,407 emergency room visits, 6,378 hospital visits and 7,083 of potential life loss resulted from diabetes.

#### Injury Prevention

The Arizona Department of Health Services publishes reports on Accidental Deaths every 10 years. This last report was released in 2012.

- This report shows that the deaths per year among children 1-14 years old in Arizona for 2002-2012 was 19 due to accidental drowning and submersion and 34 due to motor vehicle-related accidents.
- According to the Maricopa County Health Status Report of March 2012, the death rate for unintentional injuries in 2010 is reported as the highest in the American Indian population at 68.5 deaths per 100,000 persons. The next highest group affected by injury was whites with 44 deaths per

100,000 persons.

- The Water-Related Incidents in Maricopa County report of 2014 shows that in the City of Phoenix alone, 18 children aged 0-4 had life-threatening water related incidents, 3 aged 5-14, and then 3 in the broad age range of 15-34.
- The majority of these incidents occurred with in-ground pools per the report. (34 out of 43 incidents in the county total.)
- The report shows that males represent the majority of pool-related victims with 72% of the cases.
- The report also shows that white, non-Hispanic children are most at risk with 39.5% of the cases.

### Oral Health Care

According to the Arizona Healthy Smiles Healthy Bodies Survey of 2015 our state is struggling in the oral health category.

- More than half of Arizona’s Kindergarten children (52%) have a history of tooth decay, higher than the national average for 5 year old children (36%).
- Approximately 2 out of 3 third-grade children (64%) have a history of tooth decay, compared to 52% of third grade children in the general U.S. population.
- According to First Things First, only 37% of children under five in Maricopa County had visited a dentist in the last six months and nearly 40% had never been to a dentist. This study also noted that it appeared there was a lack of understanding of the significance of oral health care for very young children since the most frequent reason given for their child never having visited a dentist were: “not

old enough” and “no reason/problems.”

### Prenatal Outreach

Information from the CDC’s Vital Stats online tool states that nationally 37% of expectant mothers received late or no prenatal care in 2014.

- The Healthy People 2020 initiative has set a goal of increasing the proportion of pregnant women who receive care in the first trimester from 71 percent in 2007 to 78 percent in 2020, as well as a goal to increase the proportion of pregnant women who receive early and adequate prenatal care from 70.5 percent in 2007 to 77.6 percent in 2020.
- According to First Things First, more than 40% of women giving birth in the Central Phoenix Region did not have a high school diploma or GED and more than 14% of all households in this region are considered to be linguistically isolated.

### Developmental and Sensory Screening

According to the Kids Count Data Center web site 26% of all children ages 0 to 5 years were at risk for developmental delay.

- 31% of children ages 0 to 5 years in families who were below 200% of the Federal Poverty Level were at risk for developmental delay.
- In Arizona alone, 28% of all children ages 0 to 5 years were at risk for developmental delay.
- According to First Things First, in 2011, 84% of the 173 students in the Arizona Early Intervention Program were found eligible for services but families were turned away from programs due to short-ages in services. Another way families can receive developmental

screening is through their PCP but they have to know to ask for the screenings

### POTENTIAL RESOURCES

There are services and programs available that are currently addressing the identified health needs through hospitals, government agencies and community based organizations. The following table identifies just some of the resources identified.

### Access to Health Care

Currently AHCCCS covers all children whose parents meet the financial guidelines for coverage. If they do not meet the guidelines there are resources within the Federal Marketplace as well as reduced fees with many of the providers for cash payments. Phoenix Children’s, Maricopa Integrated Health System and Banner also provide some mobile health units as an outreach.

Organizations/Programs providing services and resources:

- Affordable Care Act
- Keogh Health Connection
- Mission of Mercy Mobile Health Program
- Circle the City
- Mountain Park Health Center
- Clinica Adelante
- Faith Community/Churches
- Community Action Program
- Indian Health Services

### Obesity

*Let’s Move* is a federally sponsored website with resources and partners throughout the United States. However, there are no *Let’s Move* program available locally at this time. Kohl’s has partnered with Phoenix Children’s Hospital to bring *Kohl’s Fit*—a program that promotes healthy eating and healthy activity for children and families—to the community.

Organizations/Programs providing services and resources:

- Let's Move
- Head Start/Early Head Start
- AZ Home Visiting Alliance
- Excelsior College
- Greater Valley Area Health Education Center
- Nurse Family Partnership
- Native Health
- Maricopa Integrated Health System Clinics
- WIC

## Diabetes

Organizations/Programs providing services and resources:

- Arizona Diabetes Coalition
- Maricopa County Department of Public Health
- Phoenix Children's Hospital; Diabetes Center
- Arizona Diabetes and Clinical Nutrition Prevention Services
- St. Vincent de Paul
- Arizona Integrative Medical Solutions
- Arizona Perinatal Care Centers
- Maricopa Integrated Health System

## Injury Prevention

The Injury Prevention Center through Phoenix Children's promotes home safety, safe sleep, bicycle and pedestrian safety as well as water safety to reduce injury. They also created the Kids Ride Safe Program which is a Child Car Seat program.

Organizations/Programs providing services and resources:

- Centers for Disease Control
- Safe Kids Worldwide
- Pool Safety
- American Red Cross
- SRP Water Safety
- Safe Kids Coalition for Maricopa County
- Association of Supportive Child Care
- CPS
- Phoenix Fire and Police Departments
- Governor's Office of Highway Safety
- Hospital Delivery Wards
- Child Care centers
- Friendly House

## Oral Health Care

Currently all children covered under AHCCCS are also covered for dental needs. Children that are not covered by AHCCCS would be able to use resources through Maricopa.gov to locate free and reduced costs dentists. Some require referral from Social Worker or another health care outreach but there are many options available.

Organizations/Programs providing services and resources:

- St. Vincent de Paul
- Chicanos Por La Causa
- Arizona Home Visiting Alliance
- Excelsior College Nursing Students
- Greater Valley Area Health Education Center
- Nurse Family Partnership
- Native Health
- Maricopa Integrated Health Systems

## Prenatal Outreach

In 2014, Maricopa Integrated Health System was awarded a grant for their Start Strong program which will help widen the scope of International Programs, focusing on Prenatal care for teen pregnancies. AHCCCS also currently offers coverage to pregnant women for the duration of their pregnancy with no out of pocket cost.

Organizations/Programs providing services and resources:

- March of Dimes
- Crisis Nursery
- Arizona Department of Health Services, Native Health
- Arizona Department of Health Services, Bureau of Nutrition & Physician Activity
- Maricopa Integrated Health System
- Phoenix Early Head Start
- UMOM Wellness Center
- Southwest Human Development Early Head Start
- Southwest Human Development Healthy Families
- Maggie's Place
- MIHS, New Hope Teen Pregnancy

Program

## Developmental and Sensory Screening

Currently the S.C.O.R.E clinic (Screenings with Care for Outcomes and connections to Referrals and Education) is a program through Phoenix Children's Hospital that delivers health, vision, hearing, developmental, BMI, Immunization and Medicaid eligibility screening to the patients and the general pediatrics clinic at PCH as well as the homeless youth population at the Crews 'n Healthmobile sites. They also have a developmental pediatrics program through Phoenix Children's that includes providers who specialize in Growth and Development.

Organizations/Programs providing services and resources:

- School Districts
- Southwest Human Development
- Vision Quest 20/20
- Arizona Early Intervention Program
- EAR Foundation for AZ Basics
- Child Care Health Consultant Program
- Chicanos Por La Causa
- Fresh Start Women
- Homeward Bound
- Arizona Child Care Association
- Physician's Offices
- Wesley Health Center
- Friendly House Day Care Center
- United Cerebral Palsy of Central Arizona

## CONCLUSION

Due to the small size of our business model we recognize that we do not have the resources to focus on an implementation strategy for all of the significant health needs identified as important to the Hacienda Children's Hospital community. It was also determined that there are a significant number of potential resources that are already committed to each of the needs identified.

The area of nutrition, more specifically, obesity was determined to be a significant health need that we could be effective at combating.

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