Number of New Infections fell between 2010 and 2014
More than 1.1 million people in the US are living with HIV
39,500 people were newly diagnosed in 2015

Prepared by: Mecklenburg County Public Health, Epidemiology Program 10/2017
Lifetime Risk for HIV is HIGHEST in the South

1 in 93 chance of being diagnosed with HIV at some point in life.

Of the over 1 Million people living in Mecklenburg County

6,630

Estimated persons living with HIV

1 in 7
People with HIV don’t know they have it!

Source: Centers for Disease Control

STDs on the rise in the Nation, State and County

Increasing STDs
In 2016

STDs are Increasing

7,983 thousand CASES OF CHLAMYDIA

33% increase

In number of cases between 2012 and 2016

Source: NC DHHS, HIV/STD Surveillance Reports

In 2016

STDs are Increasing

2,772 thousand CASES OF GONORRHEA

36% increase

In number of cases between 2012 and 2016

Source: NC DHHS, HIV/STD Surveillance Reports
In 2016

296 hundred Cases of Primary and Secondary Syphilis

In number of cases between 2014 and 2016

Source: NC DHHS, HIV/STD Surveillance Reports

Of High School Students in 2015

84% Had ever been taught in school about AIDS or HIV infection

Source: Charlotte Mecklenburg County Youth Risk Behavior Survey, 2015 Data
Of High School Students in 2015

40%

Talk with parent or other adult about STDs or HIV.

Source: Charlotte Mecklenburg County Youth Risk Behavior Survey, 2015 Data

Ready to Rank this Priority Area?

1. DISCUSS
   Quick Table Top Discussion of the Issue

2. RANK
   Rank the issue based on the 5 criteria provided

3. VOTE
   Go Online to Meckhealth.org/CHA
   And place your vote

2017 Priority Setting Event
Substance Use Disorder
Speaker: Justin Perry, MSW, LCSW, LCAS and CSI

Substance Use Disorder:
- is a Disease
- is Treatable
- can be Managed Successfully
In 2016

78,000 of Mecklenburg County adults report as heavy drinkers.

What is Binge Drinking?

4 DRINKS Or more

5 DRINKS Or more
148,000 Mecklenburg County adults are binge drinkers.

In 2015 15% of Mecklenburg County High School students reported binge drinking.
In 2015

32% of Mecklenburg County High School students reported drinking alcohol in the past 30 days.

In 2015

24% of Mecklenburg County High School students reported using marijuana in the past 30 days.
In 2015

6.1 Mecklenburg County Opioid death rate.

Per 100,000

From 2010-2014

Fatal crashes are 17x more likely to involve alcohol than to not involve alcohol
Ready to Rank this Priority Area?

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2017 Priority Setting Event

Access To Care
Speaker: Don Jonas, CARE RING
Access To Care

What does the phrase “Access to Care” mean?

How many people are we talking about?

Hey wait...didn’t the Affordable Care Act solve this problem?

What are we already doing to address this issue?

Why is this such an important issue going forward?

Access to comprehensive, quality health care services
Access To Care

Important For:

- promoting and maintaining health
- preventing and managing disease
- reducing unnecessary disability and premature death and
- achieving health equity for all Americans.

Access To Care

4 Key Components:

- Access to insurance coverage (public or private)
- Access to affordable health services (including dental and prescription coverage)
- Access to high quality health care
- Access to timely care
Access To Care

How Many People Are We Talking About?

1,054,835

Total Mecklenburg Residents, 2016

20% of the population reports having “no usual source of medical care”

200,000 residents

Access To Care

How Many People Are We Talking About?

1,054,835

Total Mecklenburg Residents, 2016

16% of the population reports not seeking care “due to cost”

166,000 residents
Access To Care

Didn’t the Affordable Care Act Solve This Problem?

Gap in Coverage for Adults in States that Do Not Expand Medicaid under the ACA

What are we already doing to address this issue?
Access To Care

Why is this an important issue going forward?

1 in 4 adults could not see a dentist due to cost. (MCHD BRFSS 2016)
Low income adults (<$25,000 per year) are 5x more likely to report not seeing a dentist due to cost.

1 in 6 working adults has no health insurance (Private, HMO, Medicaid or Medicare, etc.) (MCHD BRFSS 2016)
Barriers to care include high cost of care and no insurance coverage.

Extraordinary uncertainty with health care policy in this country.
Access to care is **FUNDAMENTAL** to improving economic mobility

Ready to Rank this Priority Area?

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   Quick Table Top Discussion of the Issue

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3. **VOTE**
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   And place your vote

2017 Priority Setting Event
Injury Prevention
Speaker: Janice Williams, Carolinas Center for Injury Prevention

Unintentional Injury includes:

- Motor Vehicle/Ped/Bike
- Drowning/Sports
- Falls
- Suffocation/Poison
- Fire
They are predictable and preventable

Unintentional Injury

2010-2013
255,891

One Bank of America Stadium a year
Injury is the leading cause of death for persons 1-44 yrs

(Centers for Disease Control)

In 2015
554 Pedestrians were hit
143 Cyclists were struck
Falls are a major cause of life-long disabilities for children and loss of independent living for older adults.
**Injury**

33% of Households in NC who have children report owning a gun.

17% say the gun is stored unlocked and loaded.

NC Champ Survey 2011
Fires City of Charlotte

Incident Numbers by Fiscal Year

1. DISCUSS
   Quick Table Top Discussion of the Issue

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   Go Online to Meckhealth.org/CHA And place your vote

2017 Priority Setting Event
Mental Health

Speaker: Dr. Elizabeth Peterson-Vita, Clinical Psychologist

Mental Health is a part of TOTAL HEALTH
Nearly HALF of persons with mental illness do not seek treatment

Barriers to treatment include stigma and cost
1 in 5 adults report being diagnosed with depression
(Source: MCHD BRFSS 2016)

In Mecklenburg County
56% agree that people are generally caring and sympathetic to people with mental illness.
(Source: MCHD BRFSS 2016)
In Mecklenburg County

9.6 Suicide rate in 2011-2015
Per 100,000

In 2015
32% of Mecklenburg High School Students reported feeling sad or hopeless almost every day for two weeks or more that they stopped usual activities
In 2015

15% of Mecklenburg County High School Students reported making a suicide plan.

EARLY INTERVENTION REDUCES IMPACT

50% of lifetime cases of mental illness begin by age 14
Ready to Rank this Priority Area?

1 DISCUSS
Quick Table Top Discussion of the Issue

2 RANK
Rank the issue based on the 5 criteria provided

3 VOTE
Go Online to Meckhealth.org/CHA
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2017 Priority Setting Event

Environmental Health
Speaker: Ebenezer S. Gujjrapudi, Director Land Use and Environmental Services Agency
Good Days Have Doubled Since 2004

Number of Days by Air Quality Index
Mecklenburg County, NC

Air Quality in Mecklenburg County
Meets All Federal, Health-based Standards

- 542 sources with AQ permits
- 449 asbestos-related projects reviewed
- 98.5% permits issued on-time

Grants to Replace Aging Diesel Engines brought to Charlotte region since 2007
- $6.6 million in grants
- 710 tons NOx reductions

AQ Monitoring Data Completeness 95.3%

210,090 vehicle miles reduced from clean commute campaign

Mecklenburg County Ozone Compliance Value 70 ppb ≤ Federal Ozone Standard 70 ppb
Air Quality in Mecklenburg County
Meets All Federal, Health-based Standards

Mecklenburg County Ozone Compliance Value ≤ Federal Ozone Standard
70 ppb ≤ 70 ppb
Creeks are Cleaner/Suitable for Contact

Mountain Island Lake and Lake Norman scored 100% on the Lake Use Support Index
Development and Growth must be Balanced with Environmental Protection

Photo courtesy of Charlotte Chamber of Commerce

$2.2M Diverted Annually
By directing material to recycling, not landfill

<table>
<thead>
<tr>
<th>Year</th>
<th>Recycling Rate</th>
<th>A reduction in per capita waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>2</td>
<td>A 41% reduction in per capita waste</td>
</tr>
<tr>
<td>2017</td>
<td>1.14</td>
<td></td>
</tr>
</tbody>
</table>

2000 Disposal Rate: 2 tons per person per year
2017 Disposal Rate: 1.14 tons per person per year

Metrolina Recycling Center Contract Tonnage

<table>
<thead>
<tr>
<th>Year</th>
<th>Tonnage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>75,689 tons</td>
</tr>
<tr>
<td>2017</td>
<td>76,404 tons</td>
</tr>
</tbody>
</table>

Wipe Out Waste
Mecklenburg County Solid Waste
980-314-DUMP | WipeOutWaste.com

Operating Budget
$23.25m

Landfill

<table>
<thead>
<tr>
<th>Landfill</th>
<th>FY16 Tonnage</th>
<th>FY17 Tonnage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foxhole Landfill</td>
<td>118,397 tons</td>
<td>116,857 tons</td>
</tr>
<tr>
<td>Speedway Landfill</td>
<td>362,677 tons</td>
<td>384,195 tons</td>
</tr>
</tbody>
</table>

All Recycling Centers

<table>
<thead>
<tr>
<th>Category</th>
<th>FY16</th>
<th>FY17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Customers</td>
<td>551,930</td>
<td>525,012</td>
</tr>
<tr>
<td>Tonnage</td>
<td>36,395</td>
<td>39,420</td>
</tr>
<tr>
<td>Construction &amp; Demolition</td>
<td>1,193</td>
<td>1,422</td>
</tr>
<tr>
<td>Electronics</td>
<td>866</td>
<td>950</td>
</tr>
<tr>
<td>Household Hazardous Waste</td>
<td>109,899</td>
<td>128,944</td>
</tr>
<tr>
<td>Yard Waste Tonnage</td>
<td>100 Volunteers</td>
<td>79,222 tons recyclables collected</td>
</tr>
</tbody>
</table>

Panthers Tailgate
Environmental Health

Use of recycling facilities has increased each year since 2010

Environmental Health

Use of recycling facilities has increased each year since 2014

Unfortunately, recycling contamination has increased as well

recycling items like, garden hoses, plastic grocery bags, etc.

These items prove costly and dangerous to recycling workers
Ready to Rank this Priority Area?

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2017 Priority Setting Event

TIME FOR LUNCH
Healthy Pregnancy
Speaker: Michelle McGrath, Mecklenburg County Public Health

PRECONCEPTION HEALTH

A healthy pregnancy begins with a healthy mom
Moms with *limited or no prenatal care* may have poor birth outcomes

Mecklenburg County had **14,876** births in 2016

*Source: NC DHHS, Vital Statistics: Mecklenburg County Birth Data*
Nearly 1 in 10 infants were born premature or Low Birth Weight

Source: NC DHHS, Vital Statistics: 2016 Mecklenburg County Birth Data

For every 1,000 infants born, 7 die before their first birthday.

Source: NC DHHS, Vital Statistics: Mecklenburg County 2016 Birth Data
2010 - 2016 MECKLENBURG COUNTY INFANT DEATHS
BY RACE          Rate per 1,000 Live Births

Source: NC DHHS, Vital Statistics Data, Volume 1 for Mecklenburg County, 2010 - 2016

60% decline in Teen Birth Rates since the year 2000.

Source: NC DHHS, Vital Statistics: Mecklenburg County 2015 Birth Data
About 1 in 3 teens who gave birth were ages 15 to 17

Source: NC DHHS, Vital Statistics: Mecklenburg County 2015 Birth Data

Unintended Pregnancies

• Associated with **increased health risk** for mother and child
• Associated with **poor birth outcomes**
• Access to Care linked to issues surrounding **health equity**
Ready to Rank this Priority Area?

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2017 Priority Setting Event

Chronic Disease Prevention
Speaker: Maria G. Reese, MS Carolinas Healthcare System
Chronic Diseases such as Heart Disease, Cancer, Stroke, and Diabetes are leading causes of death.

A Snapshot of Mecklenburg County Adults With Chronic Disease

- Diabetes: 9% of adults, 67,100 adults
- Cardiovascular Disease: 8% of adults, 59,600 adults
- COPD: 5% of adults, 32,300 adults
- Kidney Disease: 3% of adults, 22,400 adults

(MCHD BRFSS 2016)
Can Prevent or Reduce up to 50% of Chronic Diseases

82%

Of adults do not eat 5 or more servings of fruits/veggies daily.

(MCHD BRFSS 2016)
125,000
Of adults are smokers.

133,000
Of adults are not physically active

(MCHD BRFSS 2016)
Risk Factors for many chronic conditions include:

Unhealthy Weight

Nearly 500,000 adults

61%
Yes

(MCHD BRFSS 2016)

Risk Factors for many chronic conditions include:

Unhealthy Weight

High Cholesterol

30%
Yes

(MCHD BRFSS 2016)
Risk Factors for many chronic conditions include:

- Unhealthy Weight
- High Cholesterol
- High Blood Pressure

(29%) Yes

(MCHD BRFSS 2016)

Healthy Community Design

“"We want to make the Healthy Choice the Easy Choice"

Better Access to Fruits and Veggies

Policies to Reduce Tobacco Use

Enjoy your Tobacco Free Park

For the health of all park patrons, use of tobacco products is prohibited at all times. Thank you for your cooperation. Violators can be fined $50.
Ready to Rank this Priority Area?

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2017 Priority Setting Event

Violence
Speaker: Ronnie Devine, Project Safe Neighborhood Manager
Exposure to violence may result in emotional, psychological and physical problems

Children may carry these negative outcomes into adulthood
Every year, CMPD refers over 3,000 children exposed to violence to mental health clinicians.

As of November 13, 2017
78 homicide deaths in Charlotte

Total Homicides 2016: 69 deaths

Source: Charlotte-Mecklenburg Police Department, Crime Statistics
Aggravated Assaults and Assaults Without a Weapon are on the rise

In 2015

17% of Mecklenburg County High School Students reported being bullied
In 2015, 11% of Mecklenburg County High School Students reported being “Cyberbullied”.

In 2015, 13% of Mecklenburg County High School Students reported carrying a weapon in the past month.
In 2015 22% of Mecklenburg County High School Students reported being in a fight in the last year.

In 2015 9% Mecklenburg High School Students reported being physically hurt on purpose by a boyfriend or girlfriend.
Social-Ecological Model: A Framework for Violence Prevention

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2017 Priority Setting Event