Safe & Healthy Journeys
Fundamental rights to survive and thrive
Avi Silverman, FIA Foundation
16 October 2019
### Top 5 Causes of Death by Age Group in Developed and Developing Countries

#### DEVELOPED COUNTRIES

<table>
<thead>
<tr>
<th>RANK</th>
<th>AGE &lt;1 y</th>
<th>AGE 1-4 y</th>
<th>AGE 5-9 y</th>
<th>AGE 10-19 y</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Congenital anomalies</td>
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<td>Road injuries</td>
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</tr>
<tr>
<td>2</td>
<td>Preterm birth complications</td>
<td>Road injuries</td>
<td>Drowning</td>
<td>Self-harm</td>
</tr>
<tr>
<td>3</td>
<td>Other neonatal disorders</td>
<td>Drowning</td>
<td>Congenital anomalies</td>
<td>Interpersonal violence</td>
</tr>
<tr>
<td>4</td>
<td>Neonatal encephalopathy</td>
<td>LRI</td>
<td>Brain cancer</td>
<td>Drowning</td>
</tr>
<tr>
<td>5</td>
<td>Sudden infant death syndrome</td>
<td>Fire and heat</td>
<td>Leukemia</td>
<td>Other neoplasms</td>
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LRI = lower respiratory tract infections
127,000
Air pollution deaths

227,000
Road traffic deaths

2.2 million +
Serious injuries in road traffic of children and adolescents

300 million
Children breathing dangerously toxic air

124 million
Obese children and adolescents.

216 million
Overweight.

1 billion
Adolescents don't get enough exercise.
SAFE, ACCESSIBLE, LOW CARBON MOBILITY
CLEAN AIR AND A HEALTHY ENVIRONMENT
A SAFE AND HEALTHY JOURNEY TO SCHOOL
Avi Silverman
Deputy Director
FIA Foundation

For every 286 children whose school receives intervention:

• 26% reduction in injuries
• 58% reduction in head injuries
• Cost $20-$30,000
childhealthinitiative.org/toolkit
Prioritizing Users in Street Designs

1. Pedestrians
2. Cyclists and Transit Riders
3. People Doing Business and Providing City Services
4. People in Personal Motorized Vehicles

Global Designing Cities Initiative

Streets for Kids

Bloomberg Philanthropies
Bernard van Leer Foundation
FIA Foundation
fondation BOTNAR
NACTO

Stadt Köln
After

Source: NACTO
30% more people spending time in public space

Source: NACTO
300 million children live in areas of most toxic air pollution

3 million deaths attributable to outdoor air pollution

570,000 under-fives die from respiratory infections
LONDON GETS TOUGH ON AIR POLLUTION
NEW GREEN ZONE FROM APRIL 8, 2019

WHAT'S ULEZ?
Polluting cars will have to pay extra to enter ULEZ
Cars, vans and motorcycles to pay 12.50 pounds
Buses, coaches and HGVs to pay 100 pounds

EDAR unit
(vehicle emissions remote sensing system)

Weather sensor
Camera (speed and license plate)

Reflectors
3000 ADOLESCENTS
DIE EVERY DAY

Nearly all these deaths are preventable.

Top 5 causes of death in adolescents aged 10-19 years

1. Road traffic injuries
2. Pneumonia*
3. Suicide
4. Diarrhoeal diseases
5. Drowning

*Includes other lower respiratory tract infections

PROTECTING ADOLESCENT HEALTH NEEDS YOU!

- Families who protect and nurture
- Healthcare responsive to adolescents’ needs
- Schools that promote healthy development
- Clean air, adequate water, sanitation and hygiene
- A transport system that is safe
- Laws to protect the rights of adolescents

World Health Organization

Child Friendly Cities Initiative

Stadt Köln
Adolescent health spending as a proportion of development assistance for health, & breakdown of spend on specific adolescent burdens

Overall health spend, 97.8%

Adolescent spend, 2.2%

Other adolescent health, 61.3%

HIV, 29.7%

Road injuries, 0.3%

Self-harm, 0.6%

Diarroheal diseases, 1.0%

TB, 1.7%

Interpersonal violence, 5.4%

Targeted interventions for adolescent health are a tiny proportion of development for health spending


This chart is based on the JAMA analysis of 132 countries.
Child Friendly Cities Summit
Cologne, October 2019

Thank you!

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