The Early Development Instrument
Overview

• Overview of the EDI

• The Pilot Project

• The Maps
Early Development Instrument Across the Globe

- Created in Canada
  - Offord Centre for Child Studies, McMaster University
- Adapted in many other countries
- Implemented in 55 US communities
  - Center for Healthier Children, Families & Communities, UCLA

Image Courtesy of the Center for Healthier Children, Families & Communities at the University of California, Los Angeles (CHCFC)
What is the EDI?

• Population measure
  o Community Needs Assessment
  o Kindergarten Census

• Checklist of 103 questions- Presented as Maps/Tables
  o Measures five developmental domains - holistic
  o Completed by Kindergarten teachers
  o Typically administered triennially second half of year
  o Precise Data

(Janus & Offord, 1997; Janus, Brinkman & Duku, 2011)
The Early Development Instrument

EDI

PHYSICAL HEALTH & WELL-BEING
LANGUAGE & COGNITIVE
SOCIAL COMPETENCE
COMMUNICATION & GENERAL SKILLS
EMOTIONAL MATURITY

Image: Human Early Learning Partnership, UBC
Developmental Domains/Subdomains

- Physical Health & Well-Being
  - Gross and fine motor skills
  - Physical readiness for the school day
  - Physical Independence

- Social Competence
  - Prosocial and helping behaviour
  - Hyperactive and inattentive behavior
  - Anxious and fearful behaviour
  - Aggressive behaviour

- Emotional Maturity

- Language & Cognitive Development
  - Basic numeracy skills
  - Basic literacy skills
  - Advanced literacy skills
  - Interest in math/reading and memory

- Communication Skills & General Knowledge
  - No Subscales

Vulnerable on 1 or more scales

Image Courtesy of Human Early Learning Partnership at the University of British Columbia (HELP)
Use of EDI Results

Early experiences → Developmental outcomes → Success in school

Inform → EDI → Predict

(Source: HELP)
Population vs. Individual Monitoring
INDIVIDUAL MONITORING

How is my child doing?
POPULATION MONITORING

How are our children doing?
Data shine a light

Image: Human Early Learning Partnership, UBC
How Data are Reported

• Confidential school report
• Community Profile Report
• Maps
Catalyst for ACTION
Early Childhood Development is a Powerful Equalizer

- Improve Health & Well Being of Populations
- Improve Ability & Competence of Populations
Influences on Child Development

Image: Human Early Learning Partnership, UBC
ACTION needs to be grounded in communities
ACTION needs to be launched by a motivated group of like-minded individuals.
And all the children are well when...

• Communities lead in interpreting data and developing solutions

• Cross-sector (unusual) stakeholders contribute to developing and implementing solutions

• Precise data drive tailored interventions and inform resource distribution
Community Use of Data
## Case Studies on Use of EDI

### San Antonio, TX
- Developed tools for parents distributed in childcare and home visiting

### City of Pasadena
- Informed development of recently passed Early Childhood Development Policy

### Petal, MS
- Supported launch of “conscious discipline” training/curriculum for teachers

### Ector County, TX
- Offered free summer camps for incoming kindergarteners who lacked access to PK to improve gross motor skills
Erikson and the EDI
Pilot Phases I & II
Partner Communities

⭐ Greater East St. Louis Early Learning Partnership (N=428)

⭐ Success by 6 Coalition of Kankakee County (N=691)
  • Bourbonnais (Village)
  • Bradley (Village)
  • Kankakee (City)

⭐ Austin Coming Together

⭐ Collaboration for Early Childhood of Oak Park
Pilot Project Components

- Select EDI pilot communities
  - Community Collaboration/ Coalitions and School partners

- Provide coaching and technical assistance
  - Administering EDI
  - Building Data Literacy
  - Spokesperson Training

- Produce maps and tables
- Support creation/updating of strategic plan
- Research and evaluation
Understanding the maps
What is Meant by **Vulnerable, At Risk, and On Track**?

- **Vulnerable Children** – Vulnerable for problems in later childhood. Without additional support and care, these children may experience future challenges in school and society.

- **At Risk** – Not vulnerable but are lower than expected for this age. Considered “at risk” for becoming vulnerable and at risk continuing on a low achievement and health trajectory.

- **On Track** – Meeting developmental milestones expected for this age group and are expected to be successful in later grades.

<table>
<thead>
<tr>
<th>Vulnerable</th>
<th>At Risk</th>
<th>On Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to ≤10</td>
<td>&gt; 10 to ≤25</td>
<td>&gt;25-100</td>
</tr>
</tbody>
</table>

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Erikson Institute
Greater East St. Louis
East St. Louis

Median Household Income: $19,520 (American Community Survey [ACS], 2015)

Unemployment: 13.4% (Bureau of Labor Statistics, Local Area Unemployment Statistics [BLS], 2012-2016)
EDI 2017: Percentage of Families with Children in Poverty by Census Tract with Children Vulnerable on One or More Developmental Domains in East St. Louis Neighborhoods

<table>
<thead>
<tr>
<th>Neighborhood</th>
<th>N</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerton</td>
<td>4</td>
<td>24%</td>
</tr>
<tr>
<td>Gompers</td>
<td>5</td>
<td>29%</td>
</tr>
<tr>
<td>Centerville</td>
<td>10</td>
<td>36%</td>
</tr>
<tr>
<td>East Side</td>
<td>3</td>
<td>19%</td>
</tr>
<tr>
<td>Edgemont</td>
<td>10</td>
<td>45%</td>
</tr>
<tr>
<td>25th Street</td>
<td>10</td>
<td>26%</td>
</tr>
<tr>
<td>Frank Holten</td>
<td>4</td>
<td>20%</td>
</tr>
<tr>
<td>Caseyville Ave.</td>
<td>2</td>
<td>20%</td>
</tr>
<tr>
<td>Driver's License Facility</td>
<td>5</td>
<td>29%</td>
</tr>
<tr>
<td>Wyvetter Younge</td>
<td>4</td>
<td>24%</td>
</tr>
<tr>
<td>Griffin Homes</td>
<td>1</td>
<td>7%</td>
</tr>
<tr>
<td>Lincoln Middle School</td>
<td>8</td>
<td>38%</td>
</tr>
<tr>
<td>John DeShieds</td>
<td>11</td>
<td>44%</td>
</tr>
<tr>
<td>John Robinson</td>
<td>8</td>
<td>47%</td>
</tr>
<tr>
<td>Emerson Park</td>
<td>9</td>
<td>36%</td>
</tr>
<tr>
<td>Roosevelt</td>
<td>5</td>
<td>36%</td>
</tr>
<tr>
<td>Rosemont</td>
<td>6</td>
<td>46%</td>
</tr>
<tr>
<td>Rush City / South End</td>
<td>4</td>
<td>18%</td>
</tr>
<tr>
<td>Phoenix Court</td>
<td>1</td>
<td>9%</td>
</tr>
<tr>
<td>Parkside</td>
<td>4</td>
<td>25%</td>
</tr>
<tr>
<td>Washington Park</td>
<td>7</td>
<td>54%</td>
</tr>
<tr>
<td>Mount Sinai Village</td>
<td>5</td>
<td>21%</td>
</tr>
</tbody>
</table>

Neighborhood-wide: N = 126, % = 30%
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ROBERT R. MCCORMICK FOUNDATION

&

Anonymous Donor
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