Using Data to Identify and Address Disparities in Early Learning

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Using Data to Identify and Address Disparities in Early Learning

- Early Learning Hub of Central Oregon
- Local data strategies
- State-wide analysis of the Kindergarten Assessment
- Next steps in using data to move toward equity
Early Learning Hub of Central Oregon

- Mission
  
  Create aligned and coordinated systems to address disparities in outcomes for children prenatal through eight, and to ensure they receive the supports needed to be healthy and successful in school.

- 3 counties & Confederated Tribes of Warm Springs
  - Nearly 10,000 children identified as priority population
  - 7 school districts and 37 elementary schools

- Diversity and needs vary across locations
Early Learning HUB of Central Oregon

**Purpose:**
Create aligned and coordinated systems to address disparities in outcomes for children prenatal through eight, and to ensure they receive the supports needed to be healthy and successful in school.

**GOALS**

**Kindergarten Readiness**
- Increased number of early learning providers who are actively participating in SPARK
- Increased number of early learning providers receiving training, and remaining in the region serving priority populations
- Increase in shared expectations for kindergarten readiness between early learning and K-12 professionals.
- Increased early registration

**Healthy and Supported Families**
- Increased engagement with families where they live
- Increased knowledge and referrals to resources through Housing Managers

**Quality early learning environments for priority populations and seamless transitions to kindergarten**

**Shared Outcomes**
- Increased number of early learning providers who are actively participating in SPARK
- Increased number of early learning providers receiving training, and remaining in the region serving priority populations
- Increase in shared expectations for kindergarten readiness between early learning and K-12 professionals.
- Increased early registration

**Expanded coordination of home visiting system**

**Shared Outcomes**
- Increase in families visited
- Increase in knowledge and skills of home visiting workforce

**Increased access to early health and education services for priority population families**

**Shared Outcomes**
- Increased engagement with families where they live
- Increased knowledge and referrals to resources through Housing Managers

**Closed-loop referral system for developmental screening**

**Shared Outcomes**
- Earlier detection and intervention for children who need services
- Increased follow-through and shared results for developmental screening

**Additional Collective Initiatives supported by the Early Learning Hub:**
- Kindergarten Readiness, led by the Central Oregon Health Council
- TRACE's, led by United Way
Early Learning Hub of Central Oregon
Priority Population

Children age 0-6 yrs. (17,178)

Children from Low-Income

Jefferson: 76%
Crook: 71%
Deschutes: 57%
Total: 61%

Children of color

Jefferson: 64%
Crook: 17%
Deschutes: 22%
Total: 27%

Yet, the majority of low-income (69%) & children of color (66%) live in Deschutes.

Source: American Community Survey (ACS): 2010-2014
Examining Disparities

Early experiences

School readiness & success

Family Income & education
Example Data Strategies

Priority Areas for Development of Preschool Opportunities

<table>
<thead>
<tr>
<th>School Catchment Area</th>
<th>Needs Rubric by Elementary Catchment Area</th>
<th></th>
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<tbody>
<tr>
<td></td>
<td>Est # children 3-4</td>
<td>Est # children 3-4 under 200% FPL</td>
<td>% Children 3-4 Under 200% FPL</td>
<td>% &quot;At-risk&quot; population as used in the Hub Funding formula (Regional Focus, Priority and Title Schools (Local))</td>
<td>% &quot;At-risk&quot; population as used in the Hub Funding formula (Regional Focus, Priority and Title Schools (Local))</td>
<td>% &quot;At-risk&quot; population as used in the Hub Funding formula (Regional Focus, Priority and Title Schools (Local))</td>
<td>Total Points: Needs (0 - 10 Pts)</td>
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<td>Central OR</td>
<td>4,691</td>
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<td>15.0</td>
<td>72.1%</td>
<td>0.0</td>
<td>3.64</td>
<td>1.5</td>
<td>73.0%</td>
<td>1.0</td>
<td>5.5</td>
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<tr>
<td>Crook County</td>
<td>345</td>
<td>228.0</td>
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<td>2.0</td>
<td>65.8%</td>
<td>1.5</td>
<td>4.00</td>
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<td>TS, TO</td>
<td>1.5</td>
<td>6.5</td>
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<tr>
<td>Harney Butte</td>
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<td>128.0</td>
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<td>4.3</td>
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<td>Crooked River</td>
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<td>4.0</td>
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<td>Jefferson S.D.</td>
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<td>65.8%</td>
<td>1.5</td>
<td>4.0</td>
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<td>TS, TO</td>
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<td>75.0%</td>
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<td>3.6</td>
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<td>Sisters</td>
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<td>92.0</td>
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<td>43.3%</td>
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<td>62.3%</td>
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<tr>
<td>Redmond</td>
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<td>0.0</td>
<td>73.0%</td>
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<td>John Tuck</td>
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<td>2.0</td>
<td>63.0%</td>
<td>2.0</td>
<td>3.0</td>
<td>2.0</td>
<td>TT</td>
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<td>8.0</td>
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<tr>
<td>Terrebonne</td>
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<td>92.0</td>
<td>1.0</td>
<td>43.3%</td>
<td>0.0</td>
<td>62.3%</td>
<td>2.0</td>
<td>3.0</td>
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<tr>
<td>Vern Patrick</td>
<td>173</td>
<td>68.0</td>
<td>1.0</td>
<td>38.9%</td>
<td>0.0</td>
<td>73.0%</td>
<td>0.0</td>
<td>3.6</td>
<td>2.0</td>
<td>TT</td>
<td>0.5</td>
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</table>
Percent of low-income by Race/Ethnicity:

- **Hispanic**: over 70% low-income in all 3 counties.
- **Native American**: Jefferson (91%) & Deschutes (54%).
- **White (non-H)**: Jefferson (63%), Crook (50%), Deschutes (39%).

Source: 2006-2010 American Community Survey
Rates of Low-Income (200% FPL) among children ages 0-6 years (2006-2010)

Source: 2006-2010 ACS

<table>
<thead>
<tr>
<th>Category</th>
<th>Oregon</th>
<th>Deschutes</th>
<th>Jefferson</th>
<th>Crook</th>
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<tbody>
<tr>
<td>Total</td>
<td>45</td>
<td>44</td>
<td>54</td>
<td>73</td>
</tr>
<tr>
<td>White, non-Hispanic</td>
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<td>39</td>
<td>50</td>
<td>63</td>
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<tr>
<td>Hispanic</td>
<td>54</td>
<td>54</td>
<td>68</td>
<td>70</td>
</tr>
<tr>
<td>American Indian/Alaska Native</td>
<td>45</td>
<td>54</td>
<td>71</td>
<td>74</td>
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<tr>
<td>Black</td>
<td>60</td>
<td>63</td>
<td>71</td>
<td>78</td>
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<tr>
<td>Native Hawaiian/Pacific Islander</td>
<td>48</td>
<td>60</td>
<td>60</td>
<td>68</td>
</tr>
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<td>Asian</td>
<td>19</td>
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<td>Other</td>
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<tr>
<td>Two or more</td>
<td>40</td>
<td>49</td>
<td></td>
<td></td>
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</table>
- Child abuse rate is 2xs higher in Crook county than Jefferson & Deschutes.
- Homelessness in Culver school district (Jefferson county) is among highest in OR.
- Preschool enrollment is highest in Jefferson county.
% Attendance in Preschool by Race/Ethnicity

Source: American Community Survey 2010-2014 (reported by families)
Kindergarten Assessment (KA) & 3rd Grade Reading Scores

- Disparities by race/ethnicity, income, and location
- Improving in some groups and/or locations
Disparities vary by location (district).

**KA: Letter Sounds 2015**

*The dotted line represents the Central Oregon average.*

*Sample size for some of these breakdowns are very small. They are presented to illustrate a pattern only.*
Large variation in KA scores by schools within districts.

½ of the schools in Bend-LaPine are below CO average.

1/3 are below OR average.

Source: ODE 2015
Statewide analysis of Oregon Kindergarten Assessment

- Most variation (>68%) in KA scores is at school level.

- % economic disadvantage & race/ethnic minority/ELL status predicted school-level KA scores.

- Community factors were also predictive.

2014 - 2015 school year
*Sample size for some of these breakdowns are very small. They are presented to illustrate a pattern only.
Next Steps: Using Data to Move Toward Equity

Dig deeper into longitudinal data:
- School catchments -- race/ethnicity -- income
- Identify communities where scores are disparities are decreasing vs. widening.

The Mind Shift:
- Impact – alignment of strategy
- Impact – alignment of resources