### **Presentation Slides**

# EARLY CHILDHOOD EDUCATION: INVESTING IN THE FUTURE

William T. Gormley, Jr. Georgetown University Family Impact Seminar Jefferson City, Mo., March 25, 2014



### THE CASE FOR EARLY CHILDHOOD INTERVENTION

- Brain Research Children's brains grow more rapidly from 0 to 5 than at any other time in life (new cells, new synapses)
- Brain maturation is a hierarchical process in which higher level functions depend on and build on lower level functions
- Early brain development has lifelong consequences

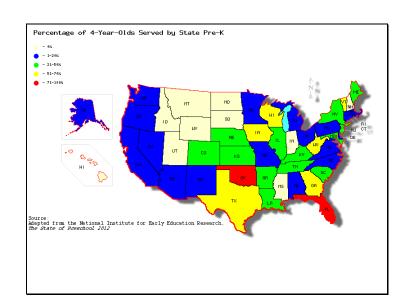
#### THE CASE FOR PRESCHOOL

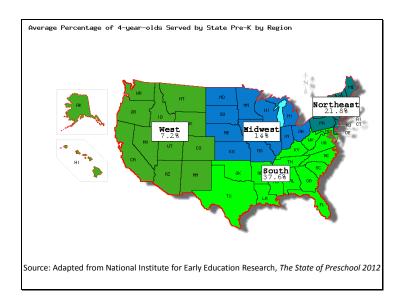
- Children's brains are like sponges they can soak up huge quantities of information
- Teachers provide cognitive stimulation, emotional support
- Children become exposed to numbers, letters, and shapes ... and they learn how to socialize
- Learning begets learning, skill begets skill (Heckman)

## THE CASE FOR HIGH-QUALITY PRESCHOOL

- Studies of day care centers and preschool show that quality matters
- High quality is especially important for disadvantaged children (e.g., vocabulary growth)
- We are becoming more sophisticated in our understanding of what quality looks like
- Effective interventions can reduce risks and improve the developmental outcomes of young children

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#### RECENT STATE INITIATIVES

- Michigan Governor Rick Snyder persuaded State Legislature to increase number of pre-K slots by about 25 percent
- Alabama Governor Robert Bentley persuaded State Legislature to increase pre-K funding (49 percent)
- Legislative proposals to expand state-funded pre-K in California, Indiana, Kansas, Nebraska

#### RECENT LOCAL INITIATIVES

- San Antonio, Texas voters approved universal pre-K initiative in 2012, supported by Mayor Julian Castro, funded by sales tax increase (1/8 of a cent)
- New York City Mayor Bill de Blasio has proposed universal pre-K initiative, to be financed by tax on wealthiest New Yorkers
- Seattle, Wash. City Council has proposed universal pre-K for 3s and 4s

### PRESIDENT OBAMA'S EARLY CHILDHOOD EDUCATION PROPOSAL

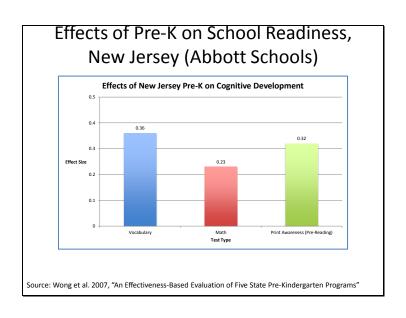
- Federal grants to states, then from states to school districts
- High-quality, early childhood education for 4year-olds, < 200 % of federal poverty level</li>
- Some incentives for states to serve children > 200% of federal poverty level
- \$75 billion over 10 years
- To be funded by increase in cigarette tax

### DOES PRE-K BOOST SCHOOL READINESS?

- Central focus cognitive effects at kindergarten entry
- Additional focus socio-emotional effects, executive functioning

#### **NEW JERSEY PRE-K**

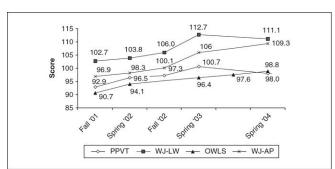
- Pre-K for 3s and 4s in high-poverty school districts mandated by state Supreme Court in Abbott v. Burke (1998)
- Now required in 35 school districts
- Mixed service delivery model, with public schools as conduit or provider (2/3s of students served by private providers)
- Every lead teacher must have a B.A. and must be early childhood certified



#### Georgia Pre-K

- Governor Zell Miller and Georgia State Legislature enacted UPK for 4s in 1995
- Funded by state lottery
- Mixed services delivery system: 54 percent of children served by private providers, 46 percent by public providers
- Teacher credentials vary by type of service provider

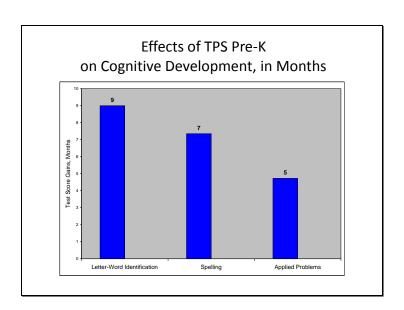
## Georgia Pre-K Participants v. National Norms

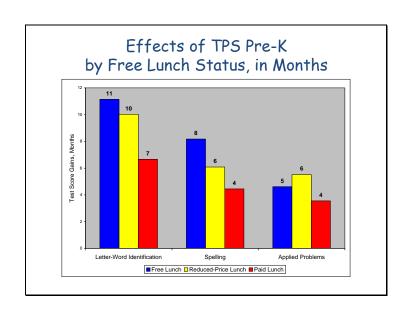


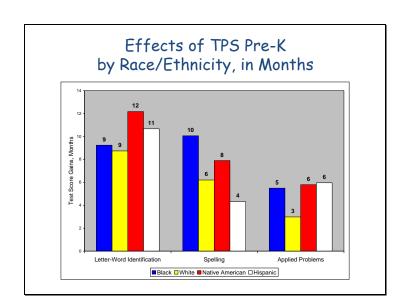
Source: Gary Henry and Dana Rickman, "The Evaluation of the Georgia Pre-K Program," Sage Publications, 2009.

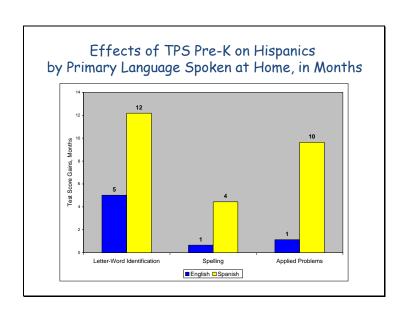
#### Oklahoma Pre-K: Tulsa

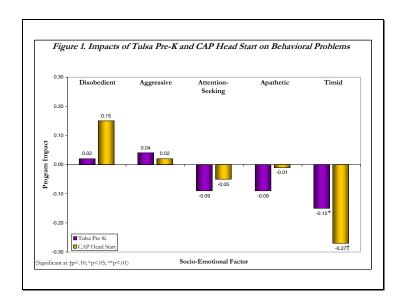
- Oklahoma established UPK in 1998
- Funded by general fund
- Public schools are primary service providers, but other providers may establish partnerships with public schools
- Every lead teacher must have B.A. and must be early childhood certified
- Pay comparable to K-12 teacher pay

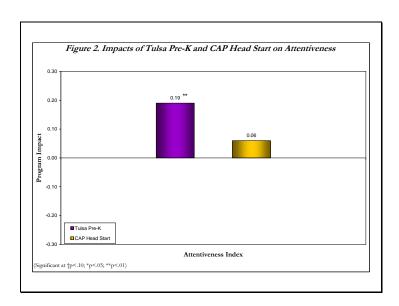






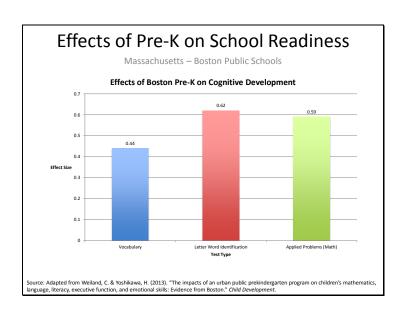


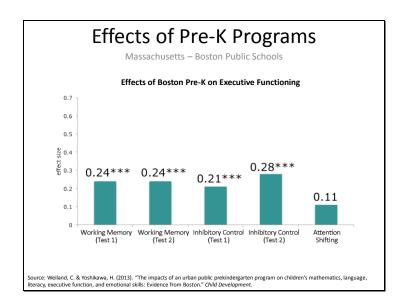


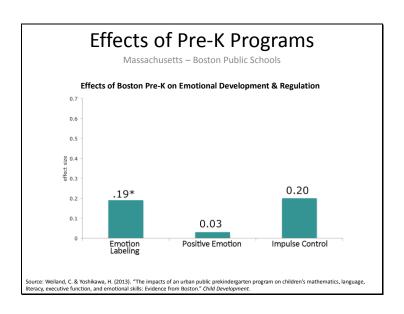


#### Massachusetts: Boston Pre-K Program

- Boston established UPK in 2005
- Run through Boston Public Schools
- Every lead teacher must have B.A. and must be early childhood certified
- Pay comparable to K-12 pay
- Strong emphasis on coaching of teachers
- Mixed service delivery model elsewhere

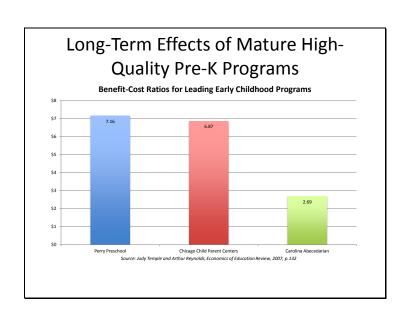


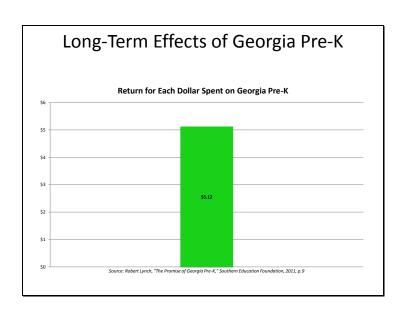


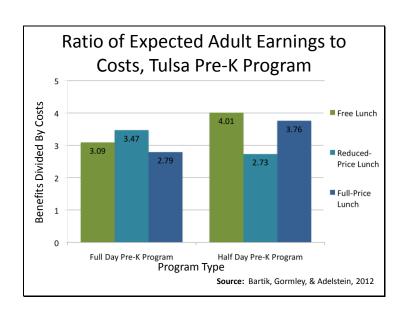


# Do Pre-K Effects Fade Out or Persist over Time?

- Benefit-Cost Analyses
- Longitudinal Studies



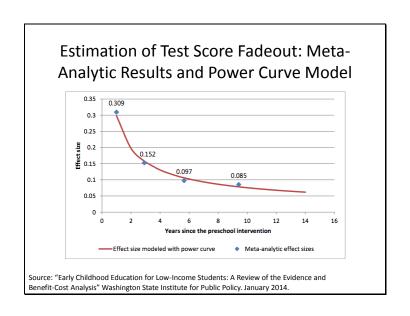


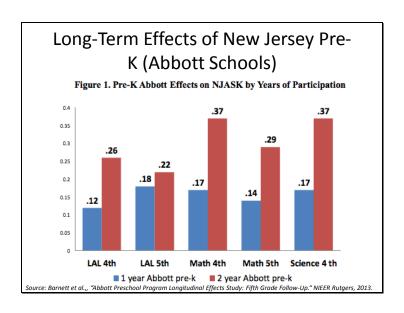


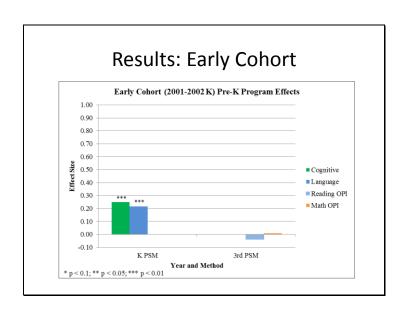
#### Benefit-Cost Results: Early Childhood Education Programs for Low-Income Three- and Four-Year-Olds

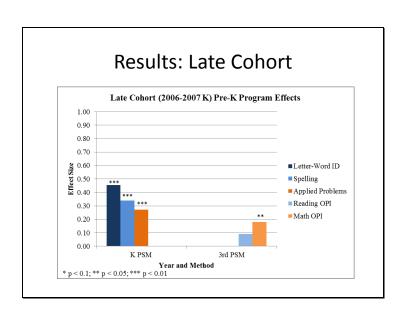
	Benefits	Costs	Benefits minus costs (net present value)	Benefit to cost ratio
State and district programs	\$29,210	\$6,974	\$22,236	\$4.20
Head Start	\$22,452	\$8,564	\$13,888	\$2.63

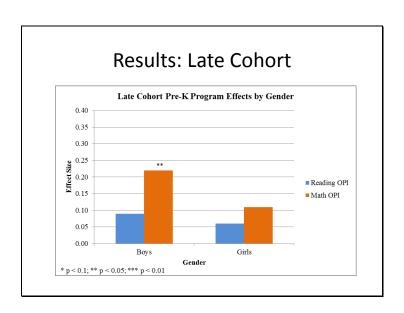
Source: "Early Childhood Education for Low-Income Students: A Review of the Evidence and Benefit-Cost Analysis" Washington State Institute for Public Policy. January 2014.











#### **OBJECTIONS TO EXPANDING PRE-K**

- 1. Evidence on pre-K effects is mixed
- 2. Pre-K effects "fade out" over time, thus eliminating long-term effects
- 3. NAEP scores in states with strong pre-K programs are disappointing
- 4. We cannot afford it

#### Objection #1

- Objection: Evidence on pre-K effects is mixed
- Response: Evidence on short-term effects is strong, consistent, unequivocal. Participation in a high-quality pre-K program boosts reading and math skills.

#### Objection # 2

- Objection: Pre-K effects "fade out" over time.
- Response: Many of the leading studies show fade-out, as charged by critics, but also show long-term positive impacts on high school graduation rates, college attendance rates, adult earnings, and criminal justice outcomes.

#### Objection #3

- Objection: NAEP scores in states with strong pre-K programs are disappointing
- Response: Some truth to that, but NAEP trends depend on lots of factors, including K-12 spending and growth in English language learner population.

#### Objection #4

- Objection: We cannot afford to spend more money on pre-K
- Response: We cannot afford not to spend more money on pre-K. We are lagging behind other nations in educational outcomes. Our economic growth depends on regaining our educational supremacy. A strong pre-K program is an important first step.

#### **CONCLUSION**

- High-quality pre-K enhances cognitive development in the short run
- High-quality pre-K enhances socio-emotional development in the short run
- High-quality pre-K improves long-term adult outcomes
- High-quality pre-K is an excellent investment in the next generation

#### Quotes

- Corporation for Economic Development (2006) – "Broadening access to preschool programs for all children is a cost-effective investment that pays dividends for years to come and will help ensure our states' and our nation's future economic prosperity."
- Gordon Brown Children are 20 percent of the population but 100 percent of the future!



# CENTER FOR RESEARCH ON CHILDREN IN THE U.S. (CROCUS) WEBSITE

• http://www.crocus.georgetown.edu