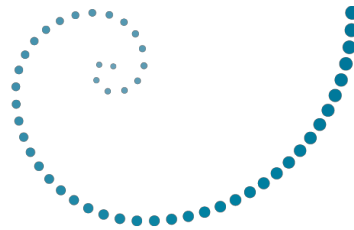




Human Development is Economic Development

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We can reduce inequality, foster inclusion, and promote social mobility by solving the skills problem.



A comprehensive approach to skills development makes dollars and sense.

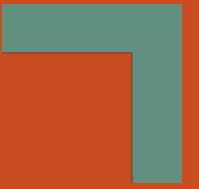



Fragmented solutions
are often not the most
effective ones—the
problems and their
causes are interrelated.



Invest in prevention, not remediation. Invest in flourishing lives, not in correcting problems after they appear.

Success depends on
having the right skills
and abilities.





Helping families engage
and develop young
children is key to later
success in education,
health, and life.



The importance of the
early years: skills beget
skills.

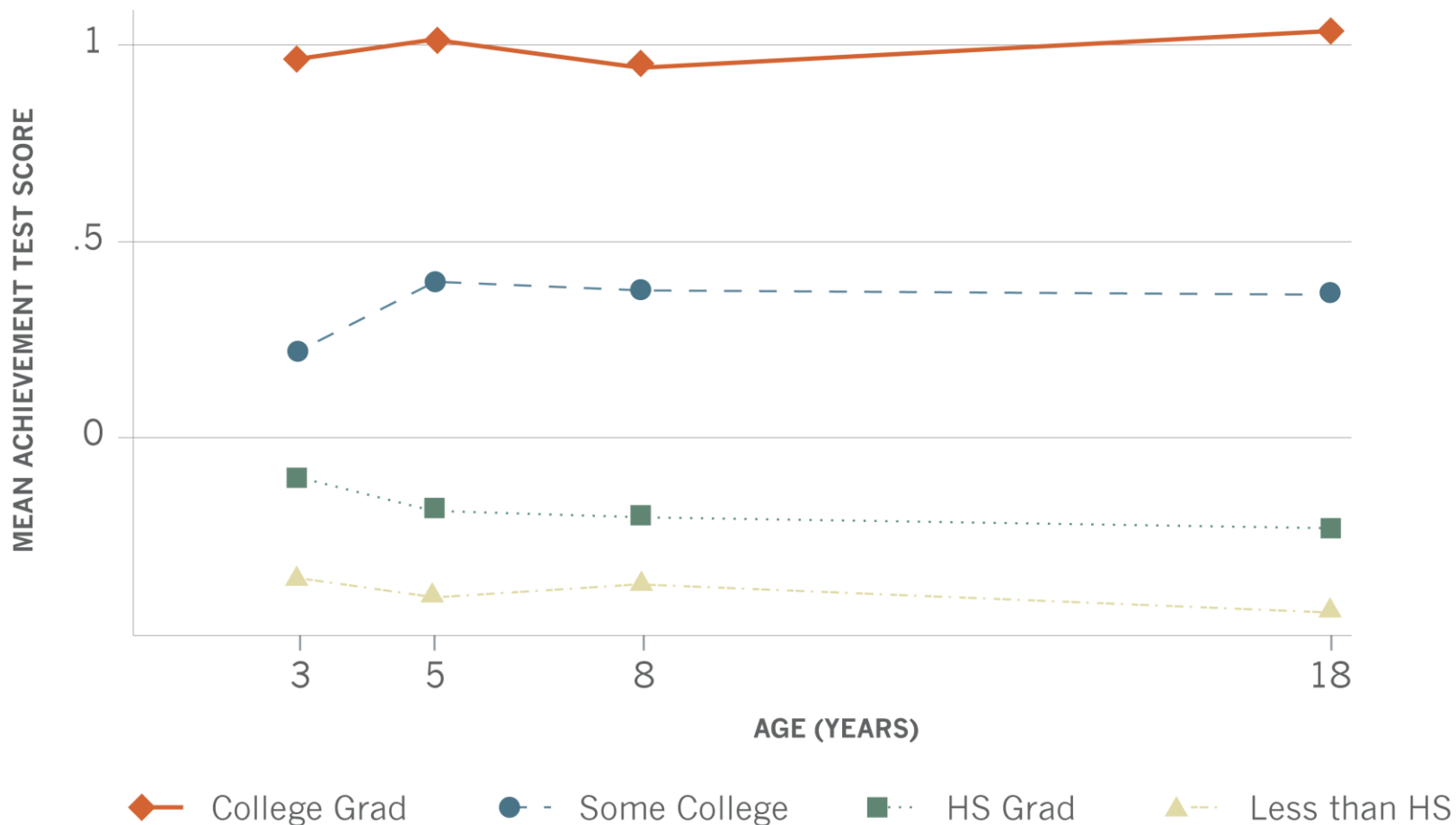


Develop cognition *and*
character from birth to
school, college and
career training.



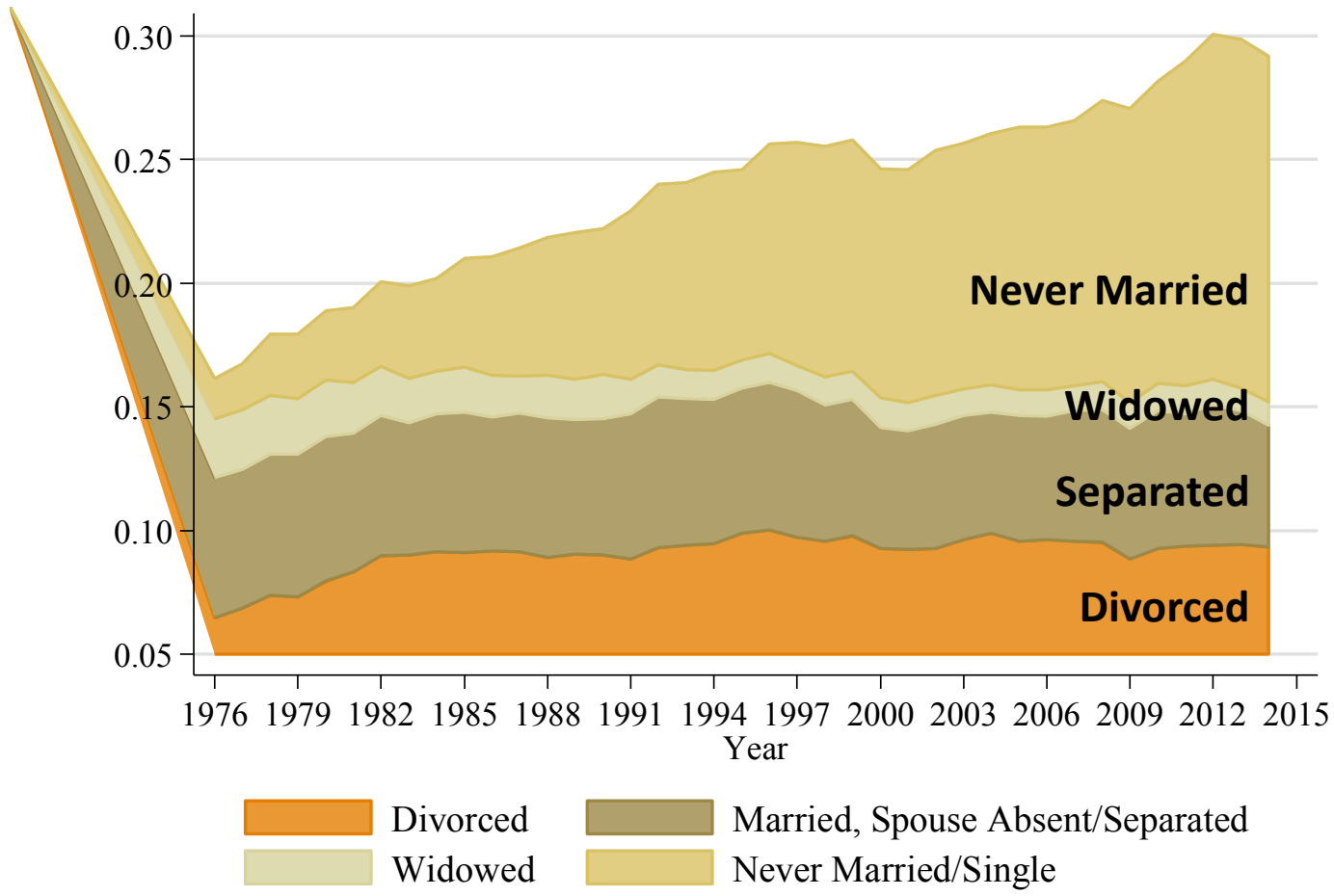
Developing these multiple skills and abilities is the best way to solve the problems of economic and social inequality.

Mean Achievement Test Scores by Age by Maternal Education



Each score standardized within observed sample. Using all observations and assuming data missing at random. Source: Brook-Gunn et al. (2006).

Children Under 18 Living in Single Parent Households by Marital Status of Parent



Source: IPUMS March CPS 1976-2014

Note: Parents are defined as the head of the household. Children are defined as individuals under 18, living in the household, and the child of the head of household. Children who have been married or are not living with their parents are excluded from the calculation. Separated parents are included in “Married, Spouse Absent” Category

Hart & Risley, 1995

Children enter school with “meaningful differences” in vocabulary knowledge.

1. Emergence of the Problem

In a typical hour, the average child hears:

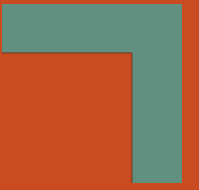
Family Status	Actual Differences in Quantity of Words Heard	Actual Differences in Quality of Words Heard
Welfare	616 Words	5 affirmatives, 11 prohibitions
Working Class	1,251 Words	12 affirmatives, 7 prohibitions
Professional	2,153 Words	32 affirmatives, 5 prohibitions

2. Cumulative Vocabulary at Age 3

Cumulative Vocabulary at Age 3	
Children from welfare families:	500 words
Children from working class families:	700 words
Children from professional families:	1,100 words

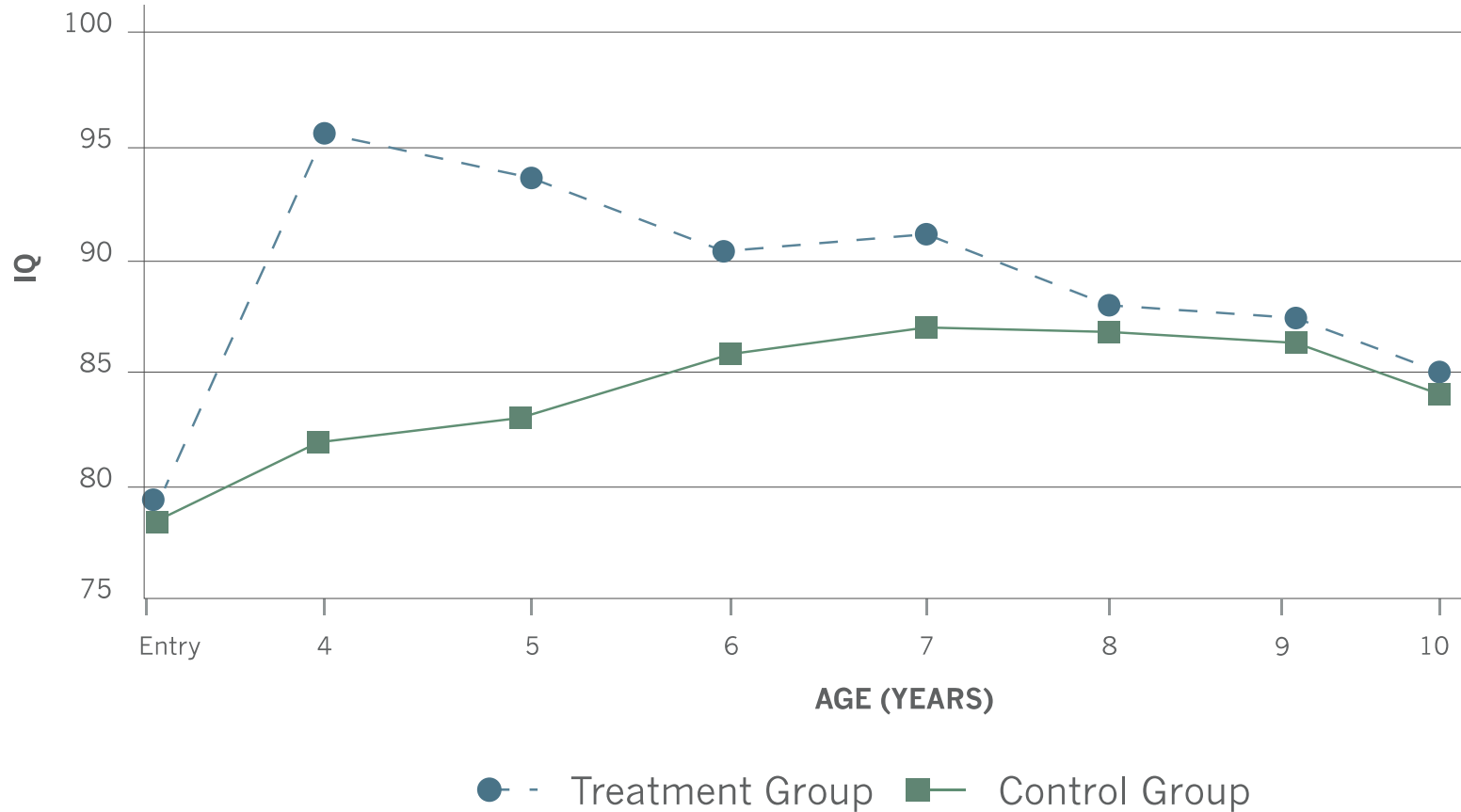


Family stress that adversely affects parenting is the true measure of child poverty.



Early childhood
programs can prevent
achievement gaps and
produce better outcomes.

Perry Preschool Program: IQ, by age and treatment group



Source: Perry Preschool Program. IQ measured on the Stanford. Binet Intelligence Scale (Terman & Merrill, 1960). Test was administered at program entry and each of the ages indicated.



Abecedarian shows
healthy benefits from a
comprehensive
approach.

Abecedarian Project, Health Effects at Age 35 (Males)

	Treatment Mean	Control Mean	Treatment p-value
Systolic Blood Pressure	125.79	143.33	0.018
Diastolic Blood Pressure	78.53	92.00	0.024
Pre-Hypertension	0.68	0.78	0.235
Hypertension	0.10	0.44	0.011
HDL Cholesterol	53.21	42.00	0.067
Cholesterol/HDL-C	3.89	4.69	0.057
Abdominal Obesity	0.65	0.87	0.136
Metabolic Syndrome	0.00	0.25	0.009

Source: Campbell, Conti, Heckman, Moon, Pinto, Pungello and Pan (2014).

The Importance of the Early Years: Skills Beget Skills

Social-emotional Skills



Cognitive Skills, Health

(sit still; pay attention; engage in learning; open to experience)

Health



Cognitive Skills, Social-Emotional Skills

(fewer lost school days; ability to concentrate)

Cognitive Skills



**Produce better health practices;
produce more motivation; greater
perception of rewards, social-emotional
skills**

(child better understands and controls its environment)

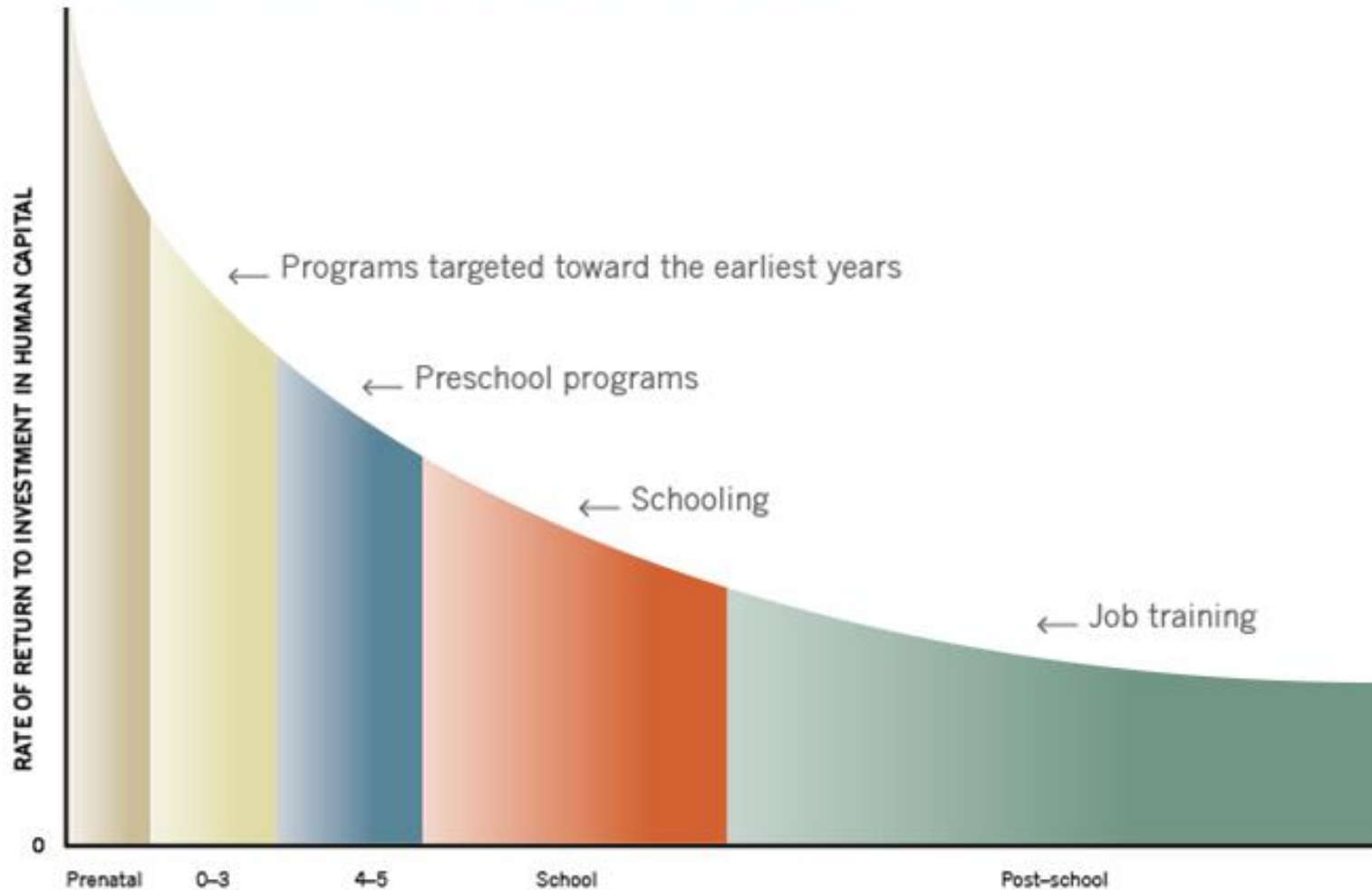
Outcomes: increased productivity, higher income, better health, more family investment, enhanced social mobility, reduced social costs.



The solution:
Predistribution, not just
redistribution or
remediation.



Returns to a Unit Dollar Invested



Source: Heckman (2008)

Needed:



- 1) Studies of the costs and effectiveness of going to scale.
- 2) Rigorous **long-term** evaluations of programs.
- 3) Research on the **mechanisms** producing beneficial child outcomes, and not just “RCTs” on specific programs. **Understanding mechanisms is the key to devising effective policy.**
- 4) Insistence that data be placed in the public domain so normal science and public discourse can operate to determine if claims by advocates can be replicated.
- 5) Understanding the wisdom of and the value of engaging in the private sector in devising and implementing effective programs.