

Education for Sustainable Future

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Sustainable Development

"Development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

(Brundtland Commission 1987)



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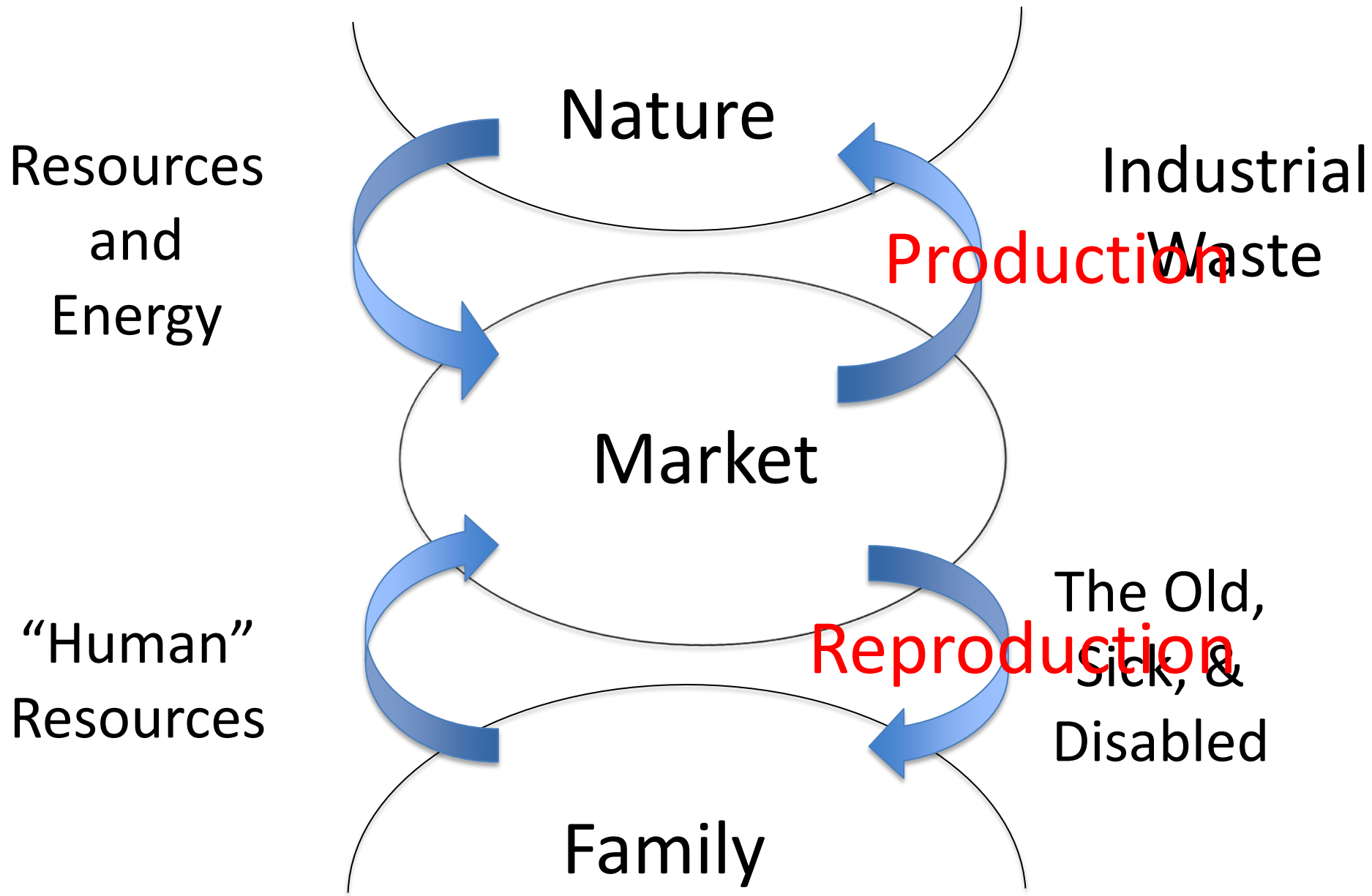
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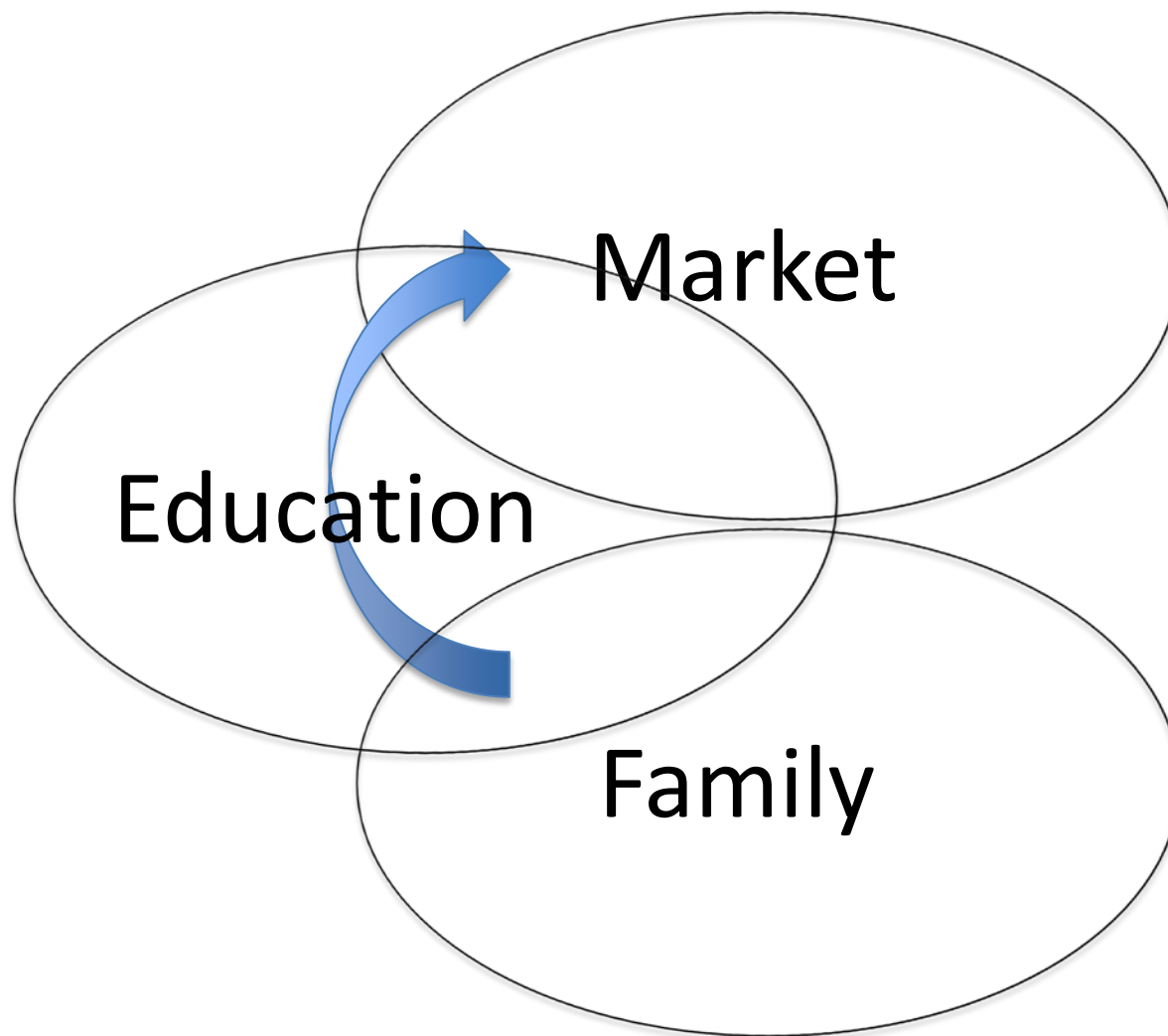
Sustainability,

Family Perspective,

Future Generations



Source: Ueno 1990



Life Cycle Approach to Human Development

- Preconception
- Prenatal
- Early Childhood
- Middle Childhood
- Adolescence
- Adulthood



Meritocracy...

- Success = Ability + Effort
- Gene?
- Home Investment
 - Money & Time of Parents

Parentocracy

- A social system where children's educational attainment is dependent upon the **wealth** of parents and their **willingness** to invest in their education. (Brown 1990)

Status of Parentocracy

- Changes in Family

X

- Widening Income Disparities

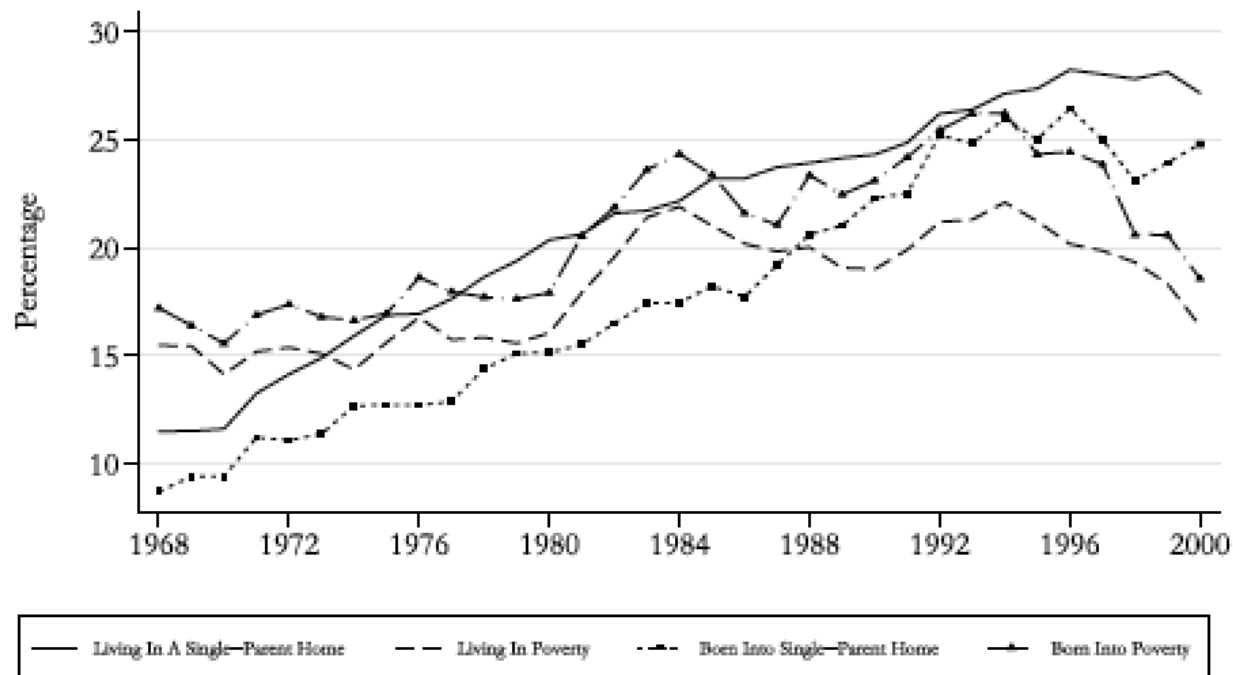
- Widening Learning Gap

Children of in Adverse Environment...

- cognitive skill
- behavior problems in school and at home
- drop out of high school
- have children at a young age
- More likely to be poor themselves when they are adults.

Children in Adverse Environment 1968-2000

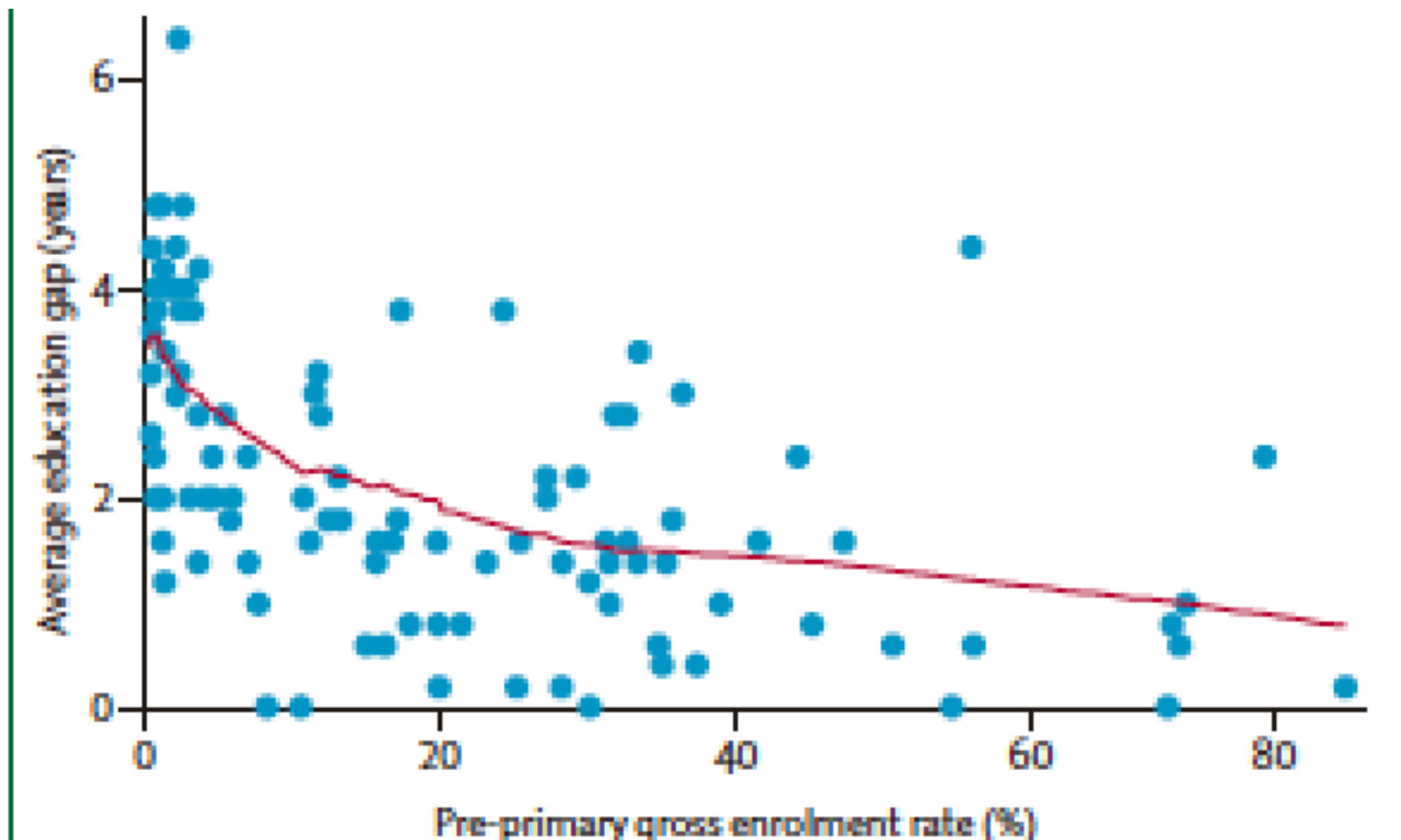
Figure 1. Percentage of all children born or living in adverse environments in each year, 1968–2000



Source: Current Population Survey Annual March Supplement, 1968–2000. Poverty is defined as living in a household with income below the federal poverty line, which is adjusted for age and number of family members. Single-parent homes include cohabiting partners.

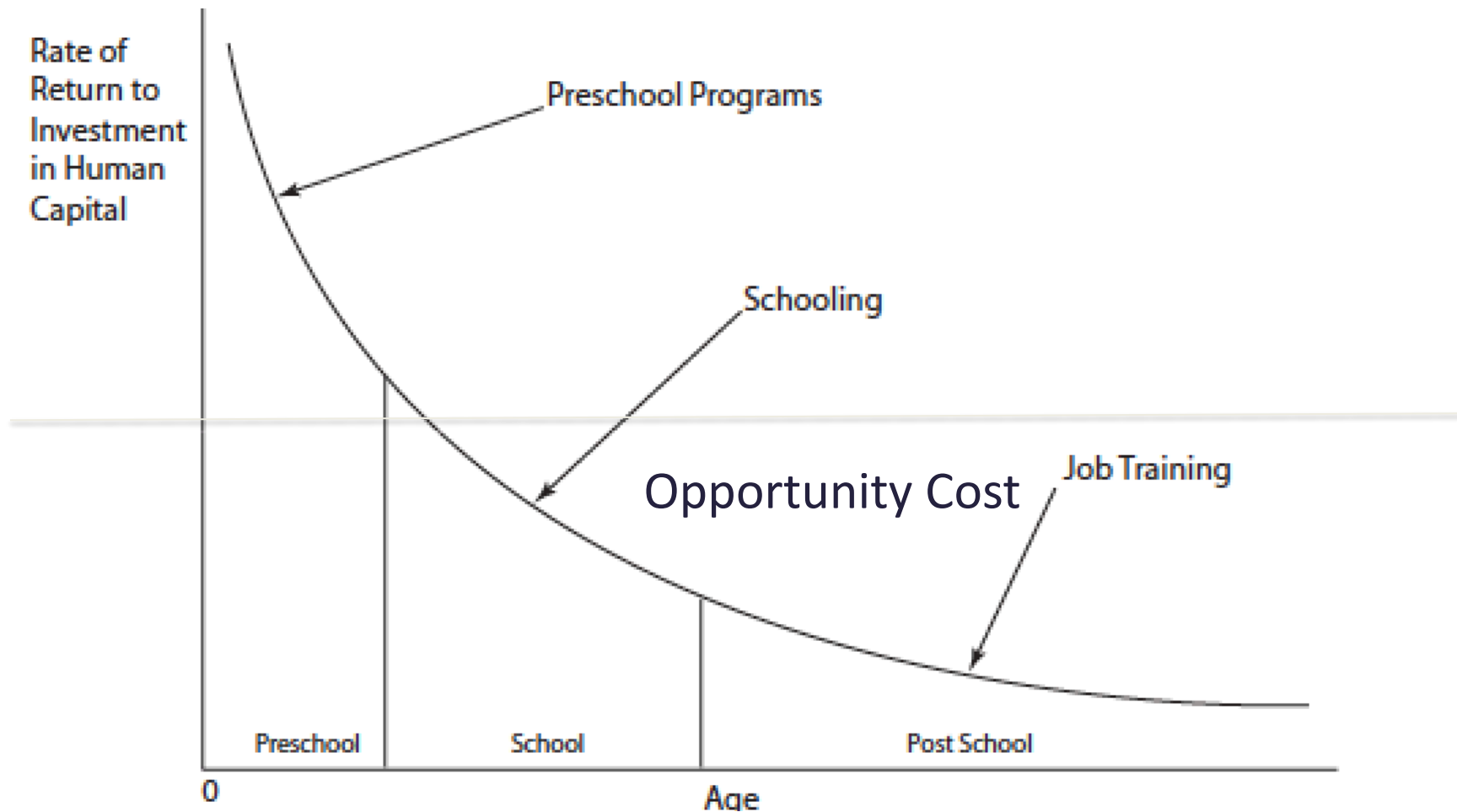
Good News is..

Preschool Enrollment and the gap in educational attainment



Source Engles, et al. 2011

Rate of Return to Human Capital Investment

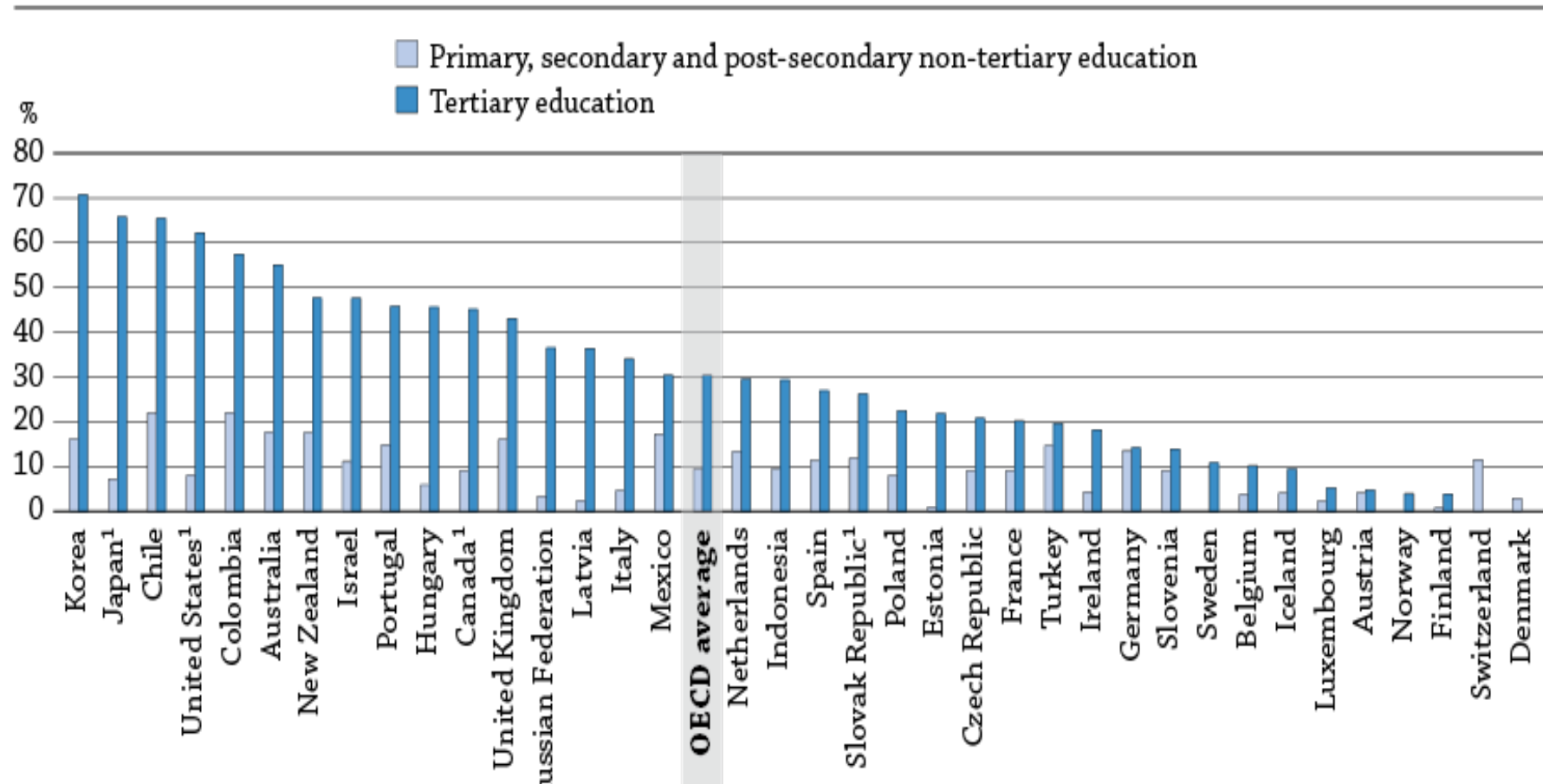


Source: Heckman and Masterov 2007

Universal Primary Education, not enough

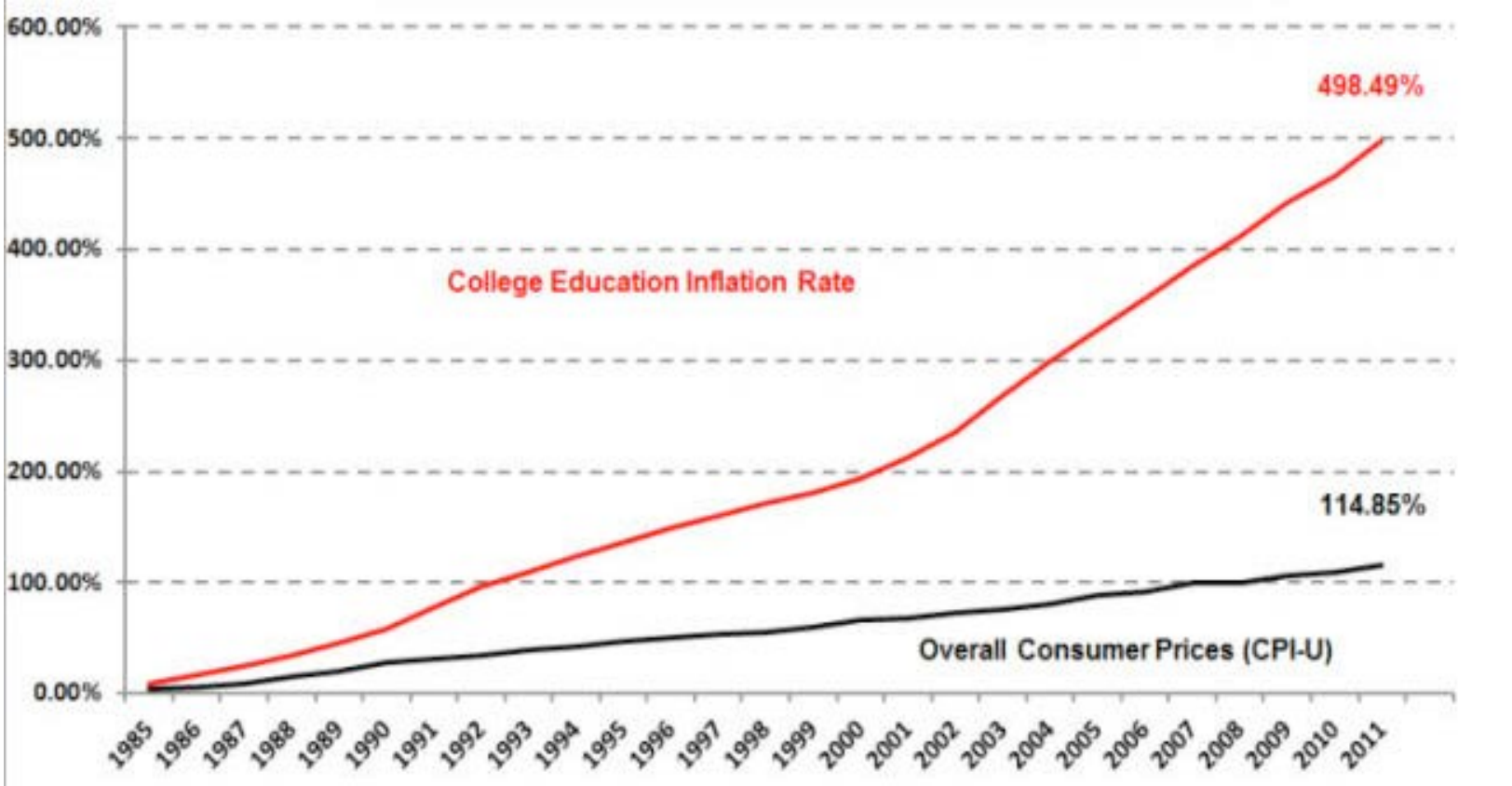


Share of Private Spending on Education



Source: OECD 2015

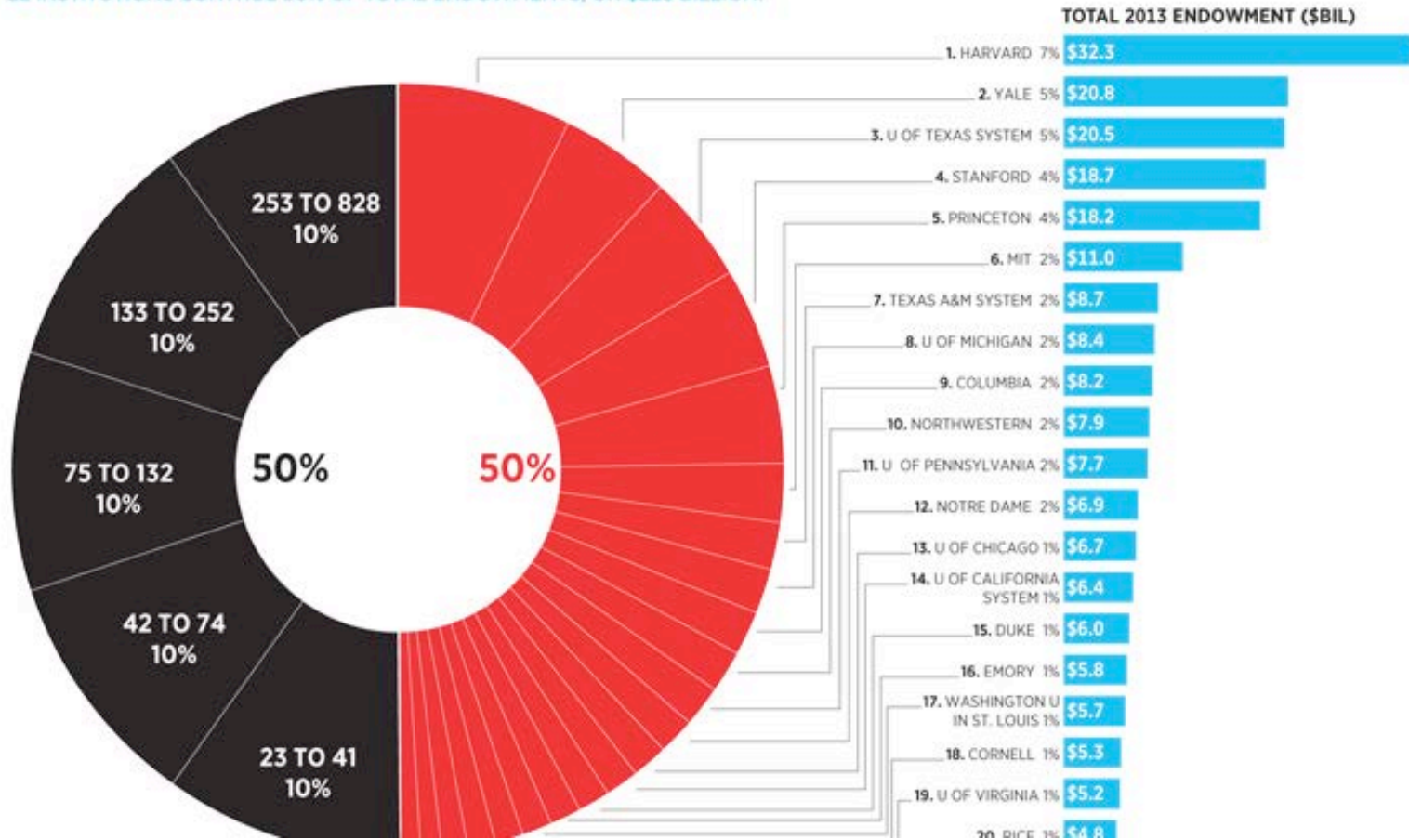
Trend in College Cost (U.S.) 1986-2012



Data; InflationData.com

22 Richest Universities in the U.S.

MARKETING THAT HAS THOUSANDS OF "HAVE-NOTS" SCRAMBLING TO KEEP UP, A MERE 22 INSTITUTIONS CONTROL 50% OF TOTAL ENDOWMENTS, OR \$223 BILLION.





Recommendations

- Acknowledge the prevalence of *parentocracy*.
- Changes in family structure interacting with greater income disparities
- Reducing inequality across children must target the preschool education
- Public spending must be increased in countries with higher proportion of educational cost paid privately by parents.

THANK YOU VERY MUCH