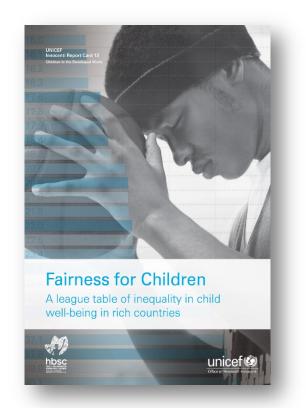
Inequality of Child Well-being in Rich Countries: Income, Education, Health and Life Satisfaction. Report Card 13 results



INRICH Barcelona, June 2016

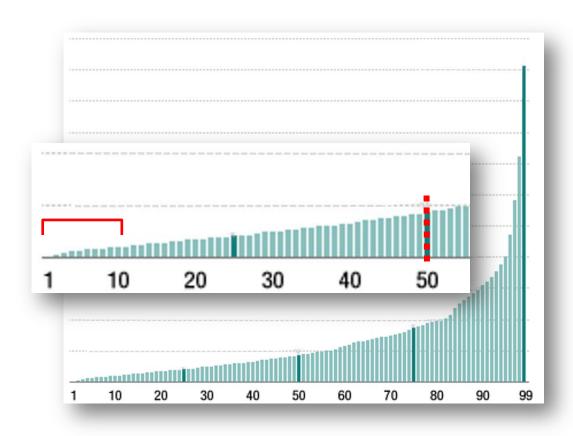
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Fairness for Children



What is bottom-end inequality? Why is it important?

- Rising income inequality in rich countries but how do children fare?
- Bottom-end inequality
 How far are children in the worst performing group (10th percentile) falling behind those in the middle of the distribution (the median)
- Falling far behind their peers affects children's well-being today and their future opportunities



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Four domains of child well-being

Income

- Relative income gap based on disposable household income (age 0-17)
- EU Statistics on income and living conditions and national household surveys (2008-2013)

Education

- Achievement gap (test scores) in reading, mathematics and science literacy (age 15)
- PISA (2000-2012)

Health

- Relative health gap (mean below the median): Self-reported psychosomatic symptoms, physical activity, consumption of fruit and vegetables, consumption of sweets and sugary drinks (age 11, 13, 15)
- Health Behaviour in School-aged Children (2002-2014)

Life satisfaction

- Self-reported ratings (age 11, 13, 15)
- Health Behaviour in School-aged Children (2002-2014)









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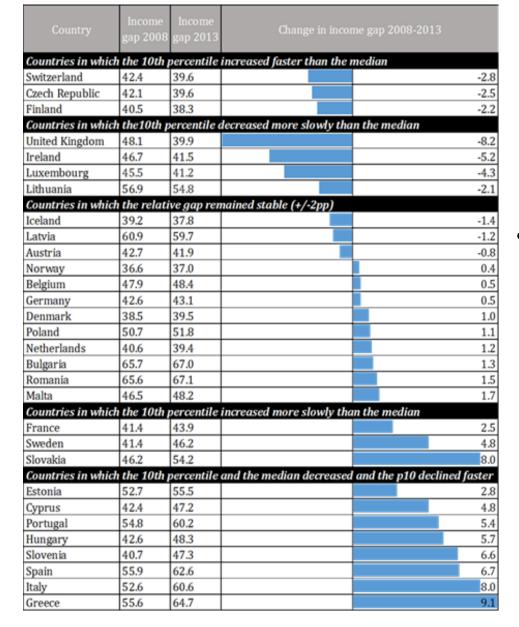
League Table 5 Average rank across all dimensions of inequality

Rank	Country	hcome	Education	Health	Life satisfaction	
1	Denmark	4	8	5	3	
2=	Finland	3	16	6	11	
2=	Norway	1	23	4	8	
2=	Switzerland	6	20	3	7	
5	Austria	11	21	1	9	
6	Netherlands	8	30	8	1	
7	Ireland	10	9	20	13	
8	Estonia	28	3	13	10	
9	Slovenia	19	11	16	12	
10	Latvia	32	4	17	6	
11	Czech Republic	5	13	9	34	
12	Croatia	26	5	12	23	
13	Australia	14	24	27	2	
14=	Germany	12	28	2	29	
14-	Greece	38	18	11	4	
14=	Hungary	21	17	18	15	
14-	United Kingdom	7	25	19	20	
18	United States	30	10	14	21	
19	Portugal	33	19	7	18	
20	Iceland	2	26	31	19	
21	Romania	41	2	32	5	
22	Spain	36	12	10	24	
23	Sweden	16	29	22	17	
24	Malta	20		30	14	
25	Lithuania	27	7	25	27	
26	Canada	24	14	24	25	
27	Poland	23	6	33	33	
28	France	13	35	23	28	
29=	Belgium	22	36	15	30	
29=	Luxembourg	9	33	29	32	
31	Slovakia	25	34	21	26	
32	Italy	35	22	28	22	
33	Bulgaria	40	32	26	16	
34	Turkey	29		34	35	
35	Israel	37	37	35	31	



- Scandinavian countries (except Iceland and Sweden) top the league table.
- Bulgaria, Israel and Turkey are at the bottom of the league table.
- Countries at the top of the league table tend to do well in ¾ indicators.
- Countries at the bottom of the league table tend to do badly in ¾ indicators.

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Trends in bottomend inequality: Income

- Relative bottom-end income gap increased in 19 of 37 countries (2008 – 2013)
 - Largest increases in income inequality took place in Greece, Italy, Portugal and Spain as well as in Hungary, Slovakia and Slovenia, driven by larger decreases or slower increases (i.e. Slovakia) in the 10th percentile than at the median

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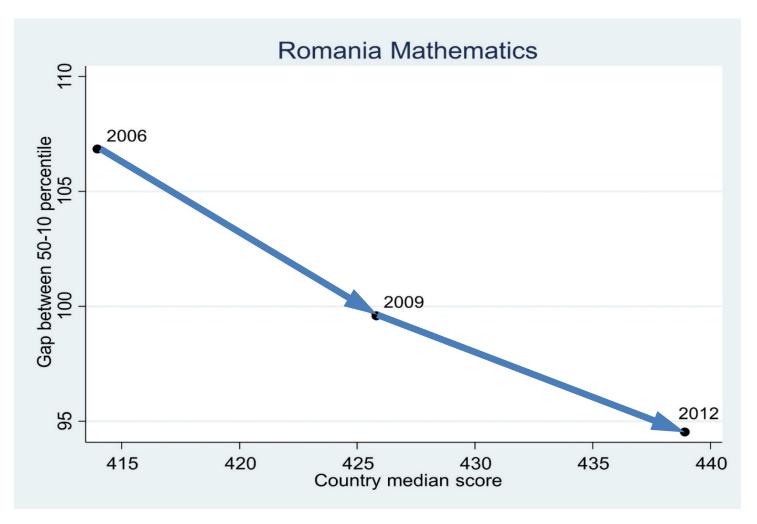
Trends in bottom – end inequality: Education (2000-2012)

Path	Description	Gap	Median
PATH I:	Academic progress with the focus on low-achievers		
PATH II:	Increased relative disadvantage and slipped performance		
PATH III:	'Double contraction' - reduced relative disadvantage but deteriorating median performance		
PATH IV:	Leaving low-achievers behind		

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PATH I: Academic progress with the focus on low-achievers

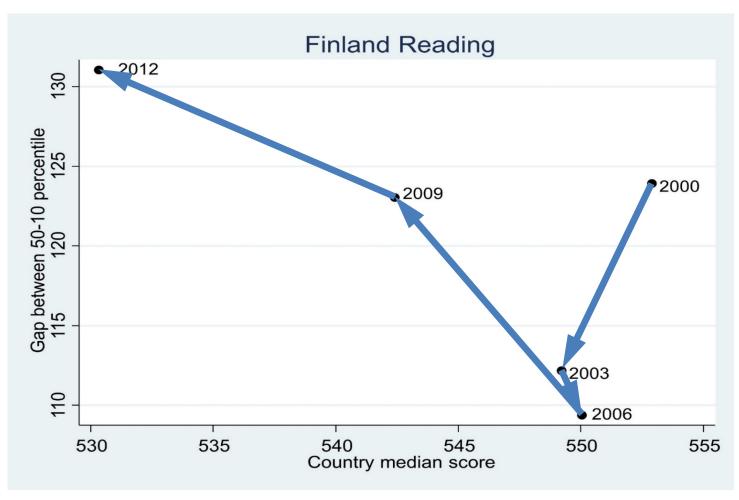


Source: PISA 2006, 2009, 2012.

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PATH II: Increased relative disadvantage and slipped performance

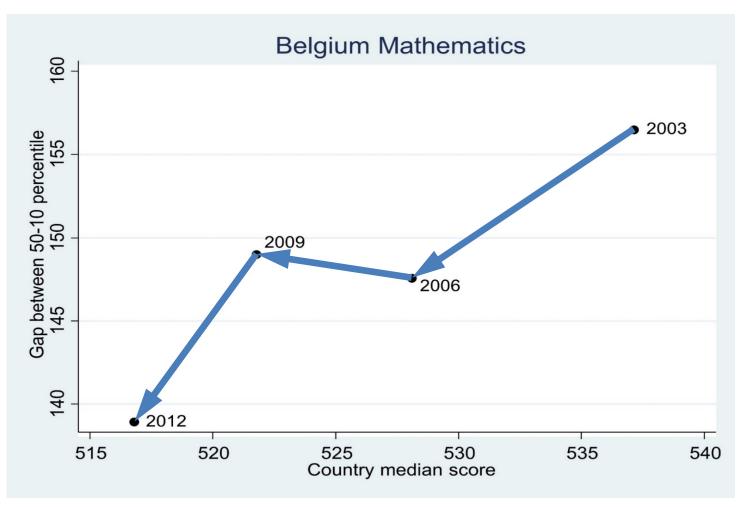


Source: PISA 2000, 2003, 2006, 2009, 2012.

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PATH III: 'Double contraction' - reduced relative disadvantage but deteriorating median performance

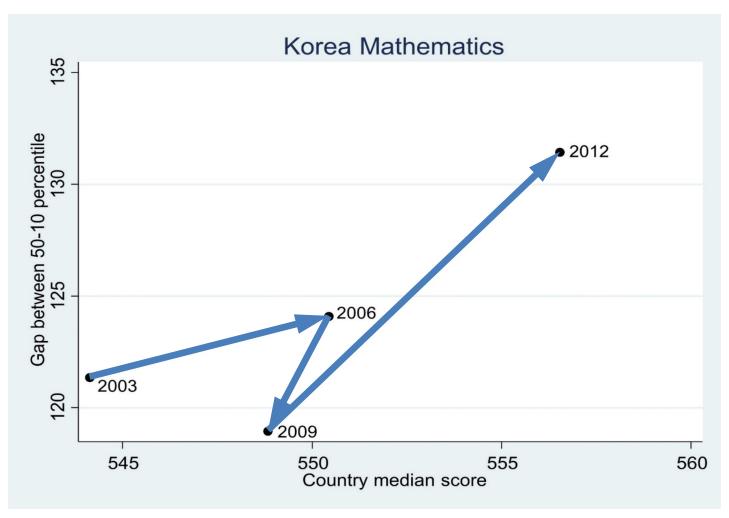


Source: PISA 2003, 2006, 2009, 2012.

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PATH IV: Leaving low-achievers behind



Source: PISA 2003, 2006, 2009, 2012.

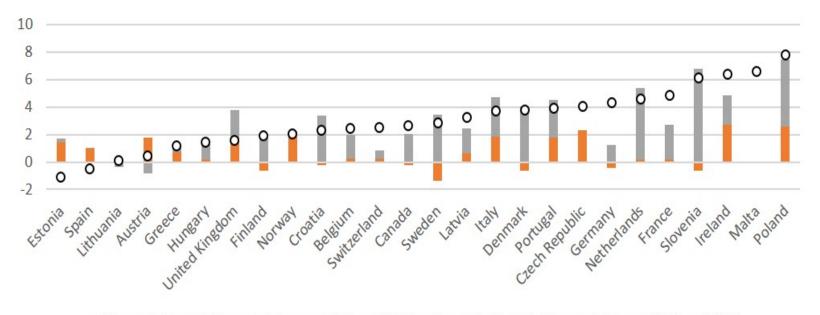
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Trends: Health (1)

Change in the relative gap in health symptoms (ppt)

2002-2014: Relative health inequality increased in 25 of 34 countries. **2010-2014**: Increase in 12 countries (the largest in Malta, Slovenia, and the Netherlands).



■ Change in the relative gap between 2006 and 2010 ■ Change in the relative gap between 2010 and 2014

O Change in the relative gap between 2002 and 2014

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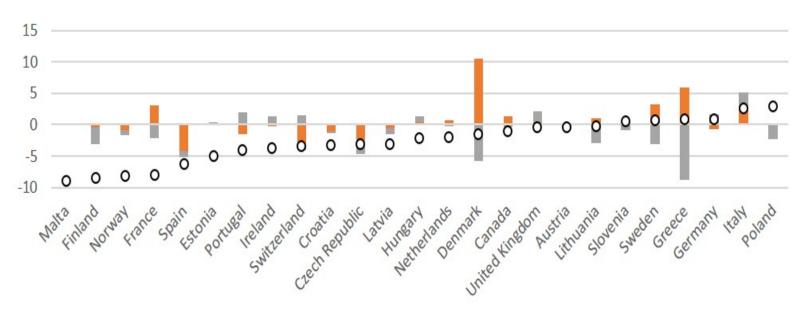


Trends: Health (2)

Change in the relative gap in physical activity (ppt)

2002-2014: Relative gaps decreased in 18 of 34 countries but increased in Italy, Poland, Romania, Turkey.

2010-2014: Narrowed in seven countries (Greece, Iceland, Denmark) and marginally increase only in Italy.



■ Change in the relative gap between 2006 and 2010 ■ Change in the relative gap between 2010 and 2014

O Change in the relative gap between 2002 and 2014

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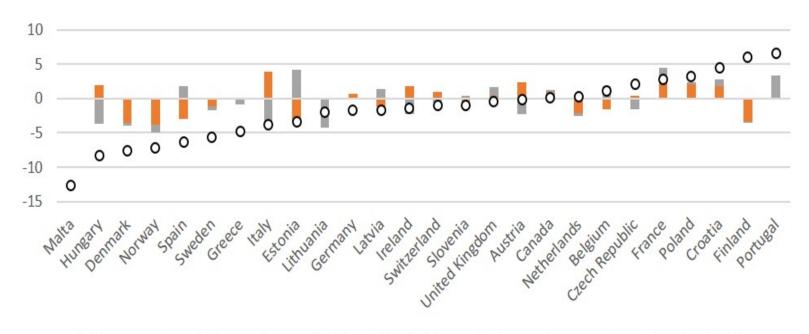


Trends: Health (3)

Change in the relative gap in healthy eating (ppt)

2002-2014: Gaps narrowed in 12 countries and widened in 6 countries.

2010-2014: Gaps narrowed in four countries (Lithuania, Hungary, Italy and Italy) and widened in two (Portugal and Estonia).



■ Change in the relative gap between 2006 and 2010 ■ Change in the relative gap between 2010 and 2014

O Change in the relative gap between 2002 and 2014

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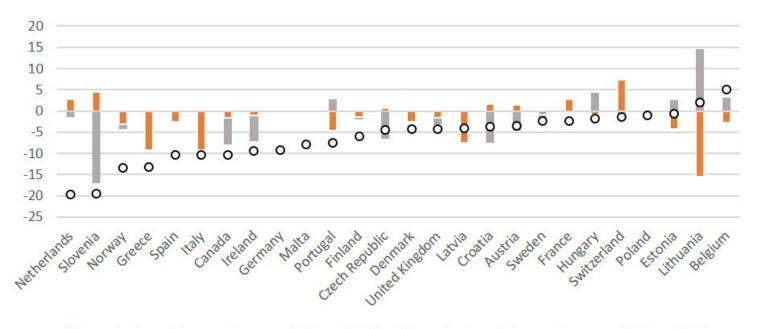
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Trends: Health (4)

Change in the relative gap in unhealthy eating (ppt)

2002 - 2014: Gaps in **unhealthy eating** decreased in 25 of 34 But increased in Belgium, Romania, Turkey Slovakia

2010 - 2014: gaps narrowed in 13 countries (Slovenia, Iceland –largest), increased in 6 countries (Lithuania the largest)



■ Change in the relative gap between 2010 and 2014 ■ Change in the relative gap between 2006 and 2010

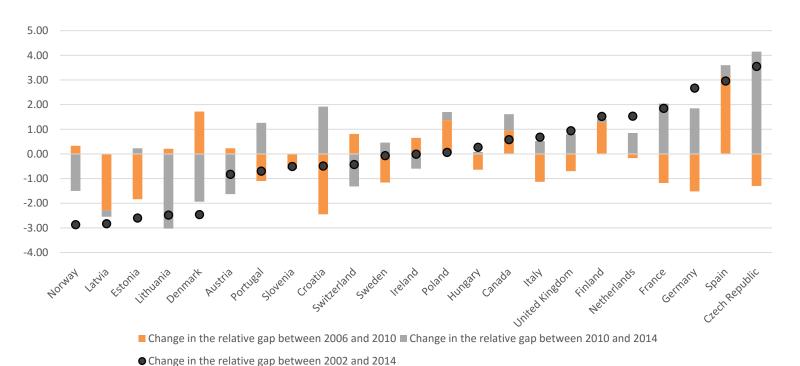
O Change in the relative gap between 2002 and 2014

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Trends: Life satisfaction Change in the relative gap in life satisfaction

- 2002 2014 Life satisfaction gaps remained stable in majority of countries: Narrowed in 6 of 32; widened in 7.
- 2010 2014: In Lithuania narrowed more than 2 ppt. In France, Belgium and the Czech Republic increased by 2 ppt or above.



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- Children from families with lower socio-economic status tend to fall further behind in
 - Life satisfaction
 - Physical activity
 - Healthy eating
 - Educational achievement
- Girls are more likely than boys to fall behind in health and in life satisfaction
- Boys are more likely than girls to fall behind in educational achievement

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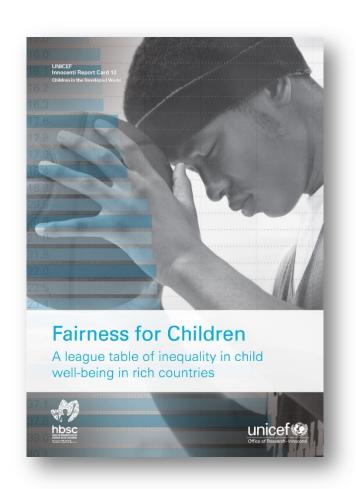


Conclusions/Key messages

- Inequality in child well-being is persistent and often widening over time
- There is no necessary trade-off between equality and overall well-being
- Children from families with lower socio-economic status are over-represented among those falling furthest behind
- Girls are more likely to fall behind in health and life satisfaction; boys are more likely to fall behind in educational achievement.

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Thank you!

https://www.unicef-irc.org/research/268/

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