



WE'RE NOT GETTING ANY YOUNGER! OR SHOULD THAT BE OLDER?

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ABOUT ME

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State pension age hits 66 and set to rise further

6 October 2020 | Comments



State pension age



Everything you need to know as the state pension age hits 66

New state pension age 2021: The changes that affect when you can retire

The state pension age is set to rise to 68 between 2037 and 2039.

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UK UK politics Education Media Society Law



Greater Manchester

This article is more than 1 month old

'Jaw-dropping' fall in life expectancy in poor areas of England, report finds

Life expectancy not improving for first time in 100 years

25 February 2020

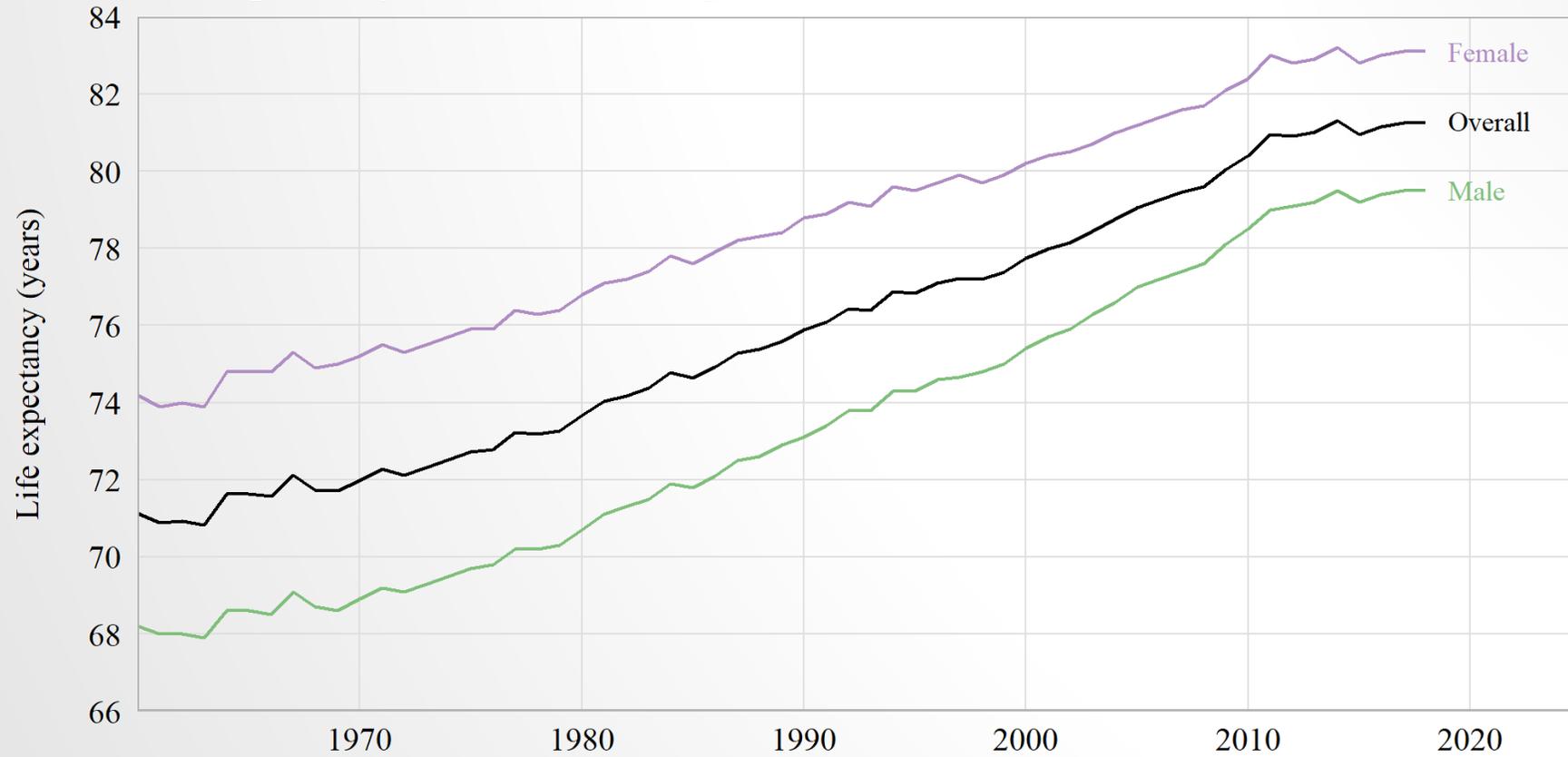
For the first time in more than 100 years life expectancy has failed to increase across the country, and for the poorest 10% of women it has actually declined, according to a new report from Professor Sir Michael Marmot and the UCL Institute of Health Equity.

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Life expectancy progress in the UK is worse than that of similar nations

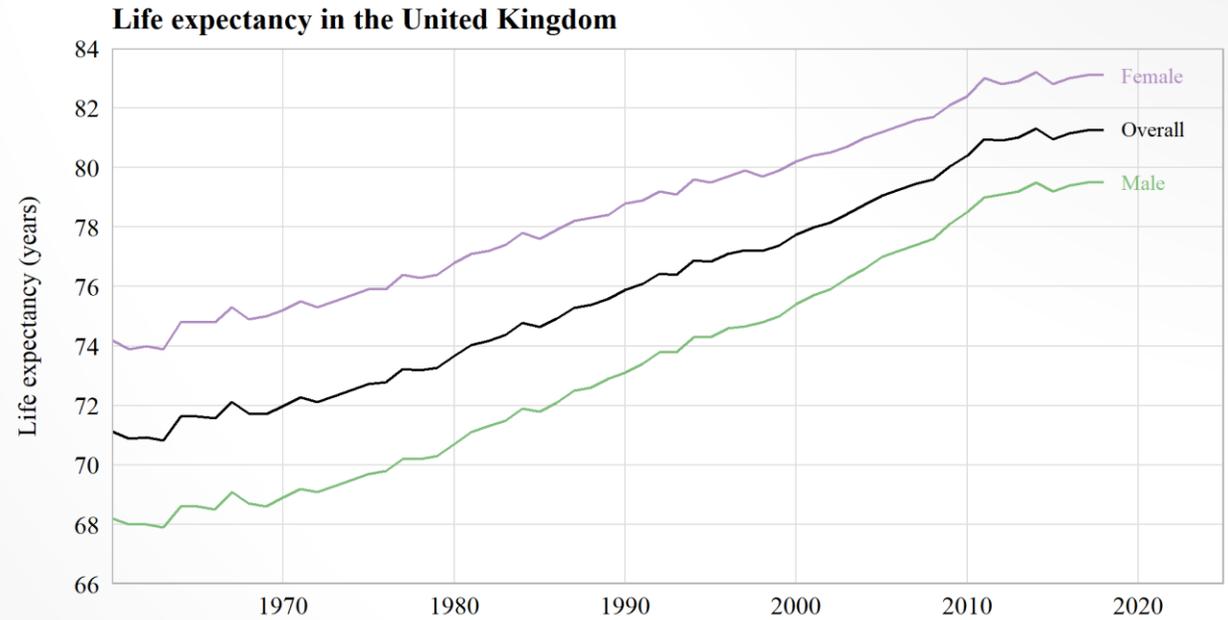
Life expectancy in the United Kingdom



N. Rennie | Source: World Bank's World Development Indicators

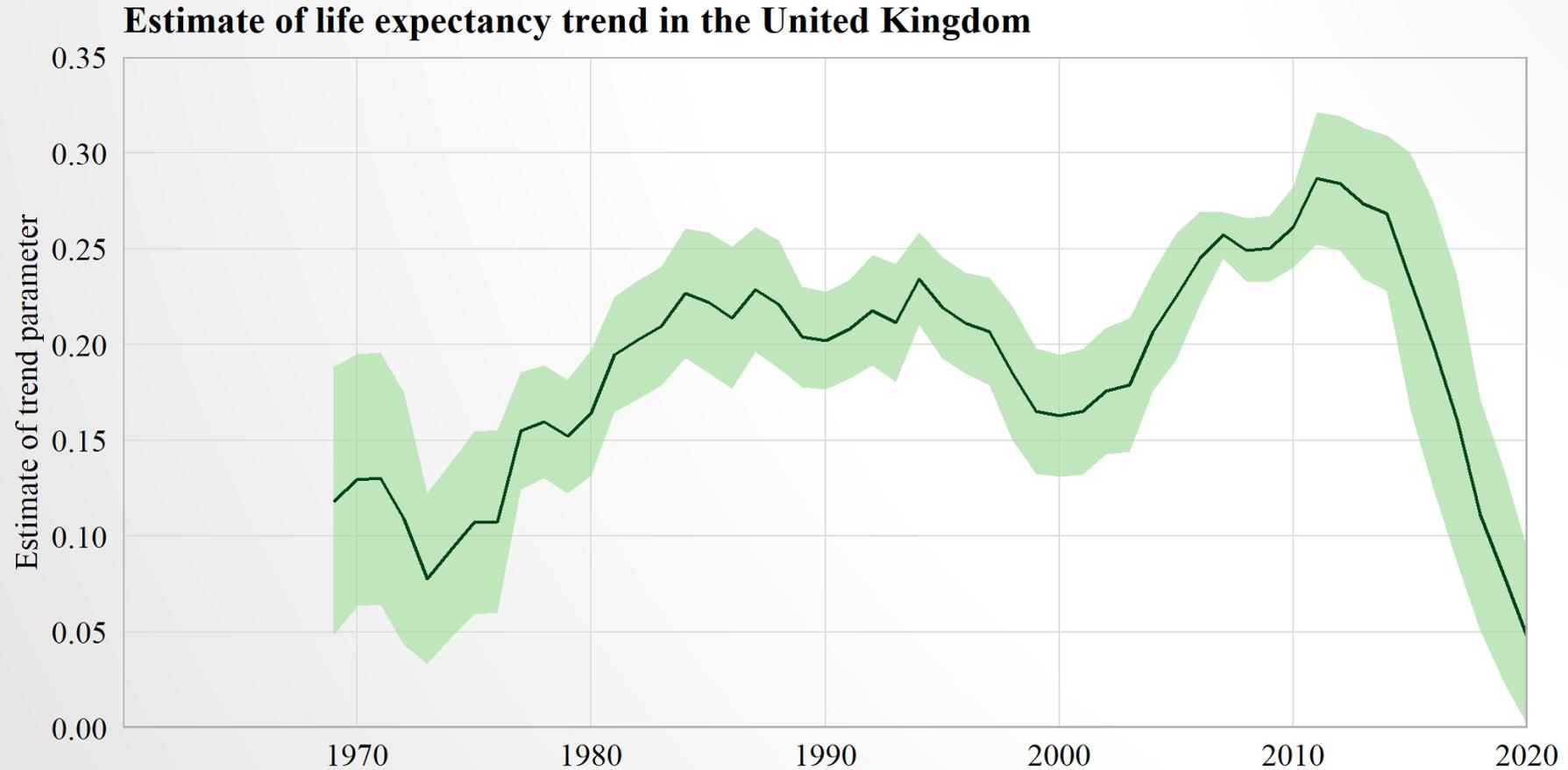
TESTING FOR TRENDS IN LIFE EXPECTANCY

$$\text{predicted life expectancy} = \alpha + \beta \times \text{year}$$



N. Rennie | Source: World Bank's World Development Indicators

TESTING FOR TRENDS IN LIFE EXPECTANCY



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IS IT DIFFERENT FOR MEN AND WOMEN?

- The life expectancy gap is now just 3.6 years, compared to 6 in 1960.
- The estimated growth parameter is 0.069 for men, and 0.025 for women.
- For men, the interval is (0.025, 0.113). And for women, it's (-0.029, 0.079).
- Men gain between 9 and 41 days of life per year, but there's no evidence that women are gain any.

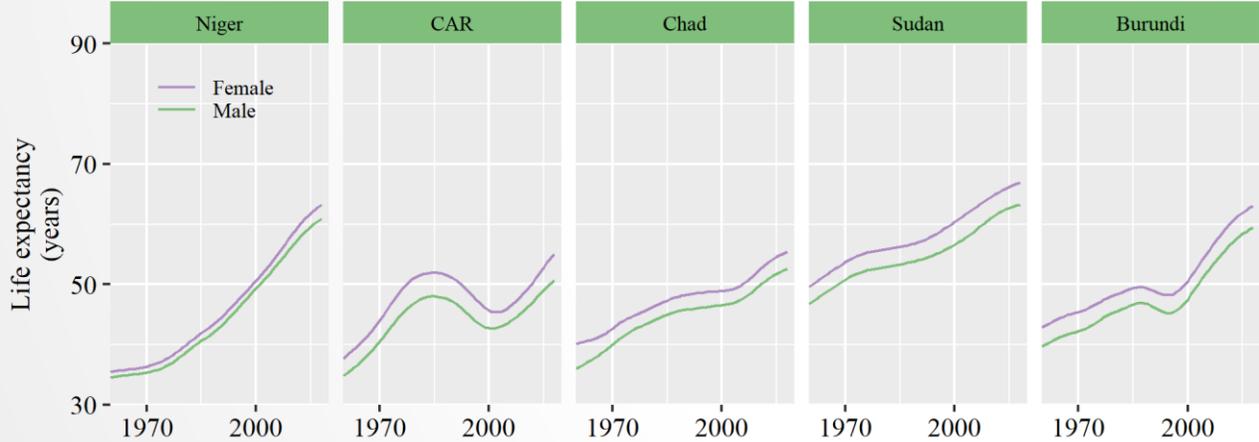
WHAT ABOUT THE REST OF THE WORLD?

Human Development Index (HDI)

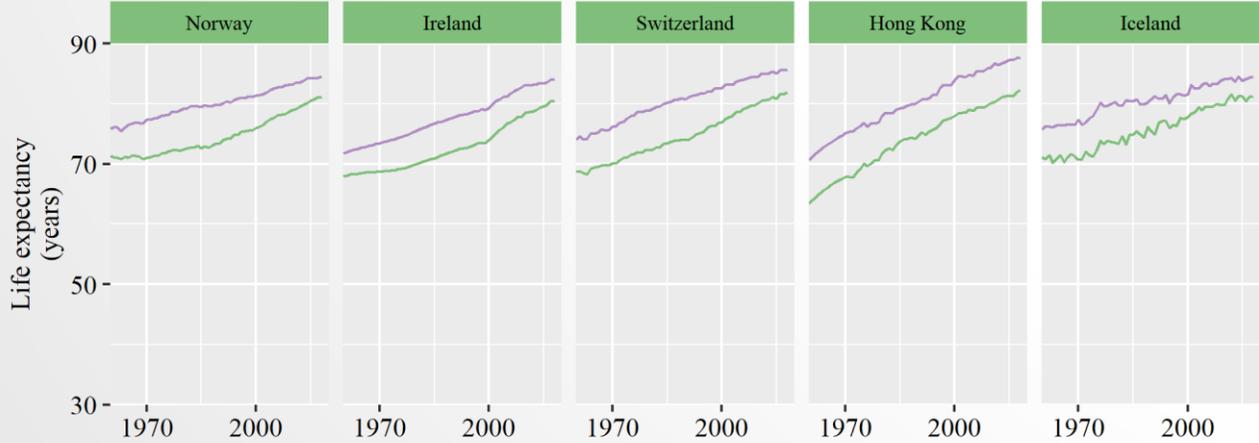
- Life expectancy is one of three factors (the others being education and income) that are used to compute the UN Human Development Index.
- As of 2020, the five least developed countries are Niger, Central African Republic, Chad, South Sudan, and Burundi.
- Norway, Ireland, Switzerland, Hong Kong, and Iceland make up the top five most developed countries.

WHAT ABOUT THE REST OF THE WORLD?

Life expectancy in the five least developed countries



Life expectancy in the five most developed countries



WHAT ABOUT THE REST OF THE WORLD?

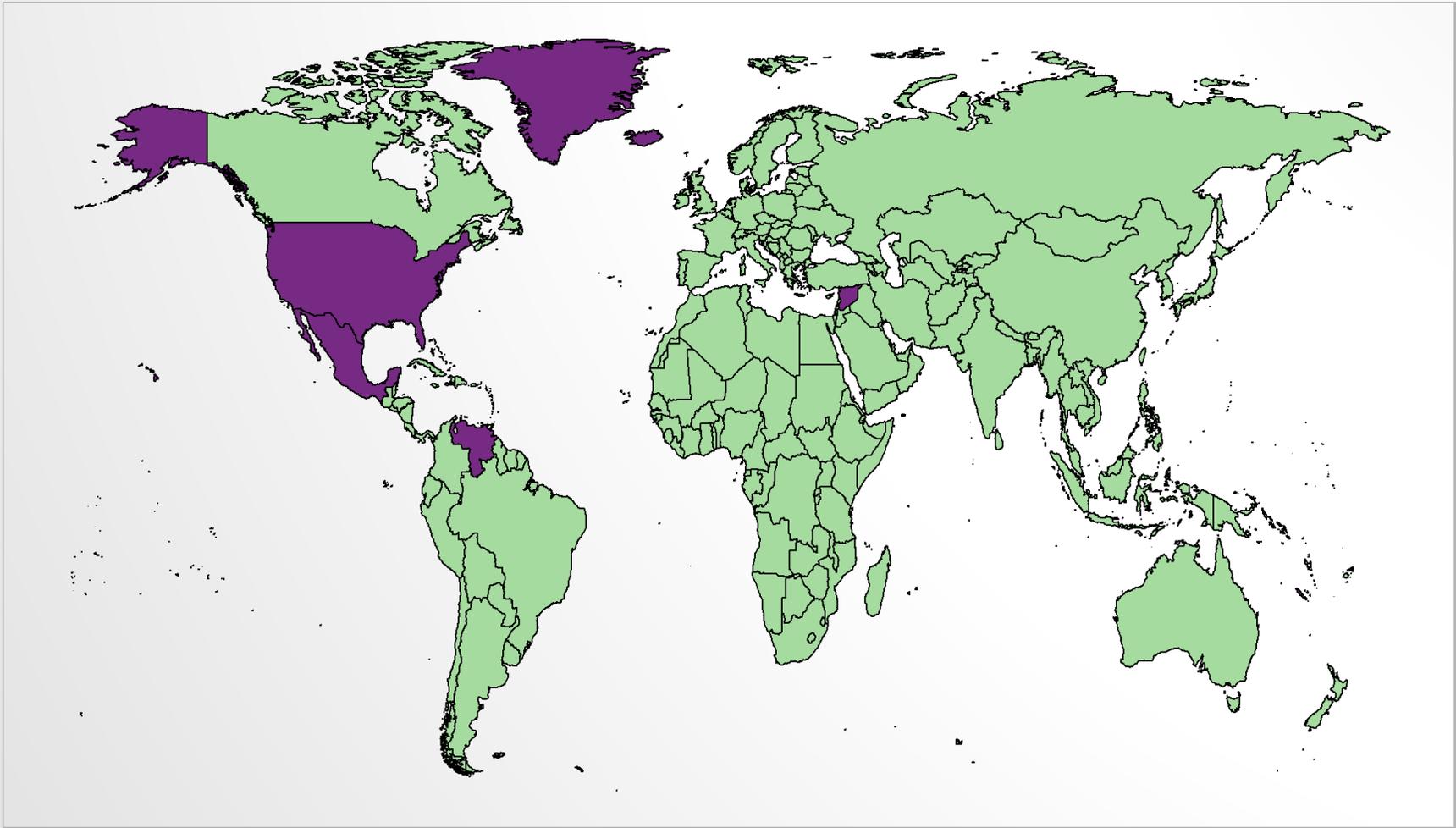
Least developed countries					
	Niger	CAR	Chad	Sudan	Burundi
Men	0.55 (0.50, 0.59)	0.62 (0.59, 0.64)	0.35 (0.31, 0.39)	0.26 (0.22, 0.29)	0.47 (0.41, 0.52)
Women	0.58 (0.53, 0.63)	0.81 (0.77, 0.84)	0.37 (0.32, 0.42)	0.29 (0.27, 0.31)	0.47 (0.42, 0.53)

Most developed countries					
	Norway	Ireland	Switzerland	Hong Kong	Iceland
Men	0.29 (0.26, 0.33)	0.3 (0.25, 0.34)	0.21 (0.13, 0.29)	0.25 (0.18, 0.32)	0.02 (-0.16, 0.19)
Women	0.14 (0.09, 0.19)	0.16 (0.11, 0.21)	0.12 (0.06, 0.18)	0.18 (0.12, 0.24)	0.04 (-0.08, 0.15)

Table 1: Estimated growth trends in the least and most developed countries

WHAT ABOUT THE REST OF THE WORLD?

Countries where life expectancy growth has stalled



N. Rennie | Source: World Bank's World Development Indicators

CONCLUSIONS

- Life expectancy growth is stalling in several countries, more so for women.
- However, there is no agreement as to which age growth stalls at.

COMMENTS

- Is this the best model to predict life expectancy? No.
- Is it (reasonably) easy to explain to a general audience? Yes.

FURTHER RESEARCH

- Consider differences between life expectancy of men and women in every country.
- Investigate regional differences within the UK.

THANK YOU

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