Menu Search Bloomberg Businessweek Sign In Subscribe

October 31, 2019, 12:00 AM

World average

Fertility Crash

This is your last free article. **Try 3 months for \$105 \$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

Search for a country

As birthrates fall, countries will be forced to adapt or fall behind.

By Andre Tartar, Hannah Recht, and Yue Qiu



At least two children per woman—that's what's needed to ensure a stable population from generation to generation. In the 1960s, the fertility rate was five live births per woman. By 2017 it had fallen to 2.43, close to that critical threshold.

Population growth is vital for the world economy. It means more workers to build homes and produce goods, more consumers to buy things and spark innovation, and more citizens to pay taxes and attract trade. While the world is expected to add more than 3 billion people by 2100, according to the United Nations, that'll likely be the high point. Falling fertility rates and aging populations will mean serious challenges that will be felt more acutely in some places than others.

While the global average fertility rate was still above the rate of replacement–technically 2.1 children per woman–in 2017, about half of all countries had already fallen below it, up from 1 in 20 just half a century ago. For places such as the U.S. and parts of Western Europe, which historically are attractive to migrants, loosening immigration policies could make up for low birthrates. In other places, more drastic policy interventions may be called for. Most of the available options place a high burden on women, who'll be relied upon not only

This is your last free article. **Try 3 months for** \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

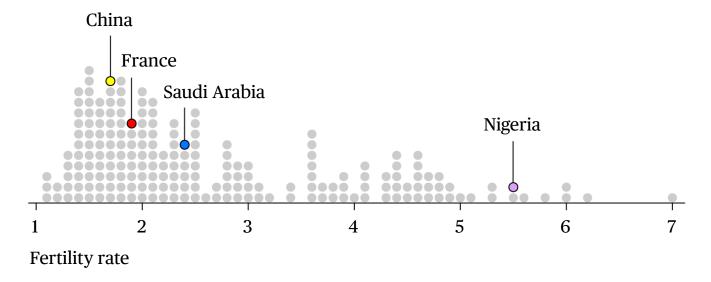
Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

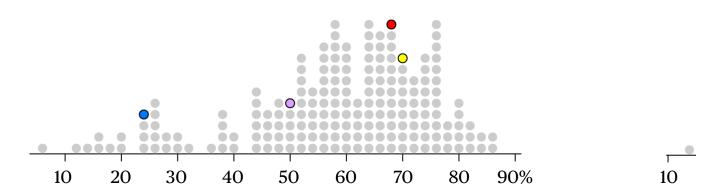
Already a subscriber or Bloomberg Anywhere client? Sign In

Globally, women have an average of 2.4 live births each.



53% of women are in the workforce.

Mo hav



This is your last free article. **Try 3 months for \$105 \$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

the search for ways to reverse the current trends. That said, achieving robust population growth is by no means the only contributor to economic growth—in some countries too-high fertility may actually be a drag on GDP, because of higher costs. But as these indicators suggest, it can be an important tailwind.

To explore these demographic and economic shifts, Bloomberg analyzed fertility data for 200 countries and picked four that were outliers in some respect. Local reporters then interviewed one woman in each place about her economic and cultural forces that shaped her choice to have children—or not.



Women in France may have won suffrage only in 1945, but they've rapidly acquired rights and status. They're now close to parity with men in income and are highly educated on average. This is due partly to generous benefits such as public day cares, called *crèches*, that accept babies as young as 3 months.

This is your last free article. **Try 3 months for \$105 \$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

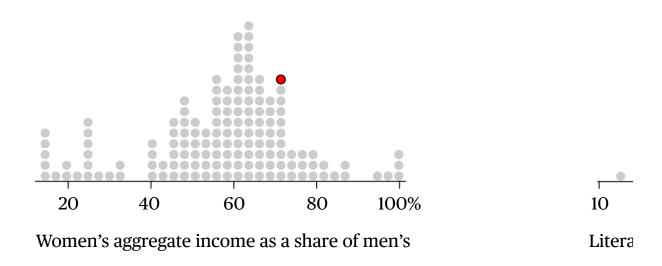
Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

Women's earnings in France are 72% of men's.

99%



Celine Grislain works at the Ministry of Health in Paris, where she manages a sevenperson team. She and her husband have three children, ages 5, 3, and 1. The older two attend state-run nursery school, while the youngest stays home with a nanny.

"When I became pregnant [with my first child], I had already done a job interview for a new post, so I had to tell my future employer that I'd arrive four months later than planned, but it didn't set me back. For my second child, I had applied for a post managing a bigger team. I told my employer, but they said that didn't affect their decision. And for the third, pobody said anything either when I

This is your last free article. **Try 3 months for** \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

organize themselves, so that I don't have too many meetings on Wednesdays [my day off], and I make an effort to compensate. I don't hesitate to work in the evenings, I don't hesitate to look at my emails on a Wednesday. I think everyone tries to make an effort, and that's why it works.

This is your last free article. **Try 3 months for \$105 \$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In



This is your last free article. **Try 3 months for \$105** \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.
Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

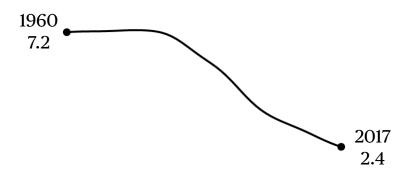
Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In Try 3 months for \$105 \$6. Cancel anytime.

support for working at 80%–it's not much, around €140 (\$155) a month. There are family benefits, but they change depending on your income, and I don't get much. There is what we call a supplement for child care, and there's also a tax credit that helped us a lot when we were sharing a nanny. But the credit is capped, and having a nanny to ourselves makes for a big extra cost.

"It's mainly me that does the shopping, the doctor appointments, but I've also got a husband who knows how to cook. I think I do a little more than him, but he does more than my dad did, and he did more than my granddad, so there's been an improvement with each generation. And my husband supports me with my career. That counts for a lot." – Interviewed by William Horobin, translated from French

Saudi Arabia



Women in the culturally restrictive oil-rich kingdom have among the world's lowest rates of labor force participation and wield little economic power. As the

This is your last free article. **Try 3 months for** Already a subscriber or Bloomberg \$105 \$6. Cancel anytime.

Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

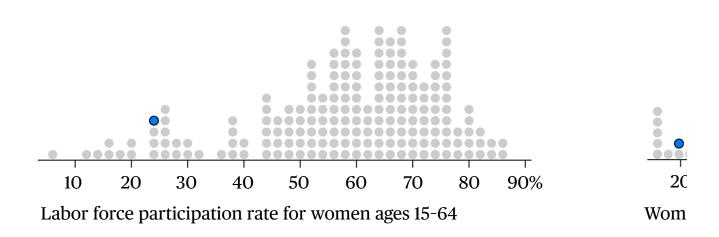
Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

25% of Saudi women are in the workforce.

Won 22%



Lubna Alkhaldi, 34, is a fashion designer and an anchor at her local TV station in Dammam, in Saudi Arabia's Eastern Province. She's single and makes \$102,400 a year.

"In other societies, husbands may take on roles that help the wife not be a full-time [caretaker], like helping out when she's out at work. I don't want to be unfair to everyone—there may be exceptions—but in general it's not the case [in Saudi Arabia].

"I am not married. It's not an easy decision to take, not at all. Motherhood is a beautiful thing. I have moments where I wish I had a baby I could hold and play with. But I want to make and build my own family, under my conditions. I wanted to choose my husband myself, out of love. When I was at an appropriate age for marriage, this option was not available. Sometimes people said things like 'Lubna is not beautiful enough, which is why she's saying no,' or 'She's not good enough, and she says no so she won't be embarrassed.'

"I have a B.A. in nutrition, but I didn't like that field. I wanted to major in media, but my dad refused to let me travel abroad to study—there were no

This is your last free article. **Try 3 months for \$105 \$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In



PHOTOGRAPHER: TASNEEM ALSULTAN FOR BLOOMBERG BUSINESSWEEK

"My immediate family, my mom and my four sisters, are very proud of me and very supportive. But I get calls sometimes from people who are not happy. They tell me, for instance, to cover my face. My face is my identity. I did one program once for Saudi TV on women and the economy. Now I have a program on social issues. Today, I'm filming an episode on customs and traditions.

"I work long hours every day, including today, Saturday. I am very proud of the decisions I have taken. I am very happy with myself. In our Saudi society, I am no longer at a suitable age for marriage, but I don't consider age as an impediment. I know that when I find the right man we will accept each other, no matter what the challenges and defects—if you consider age a defect—are." — *Interviewed by Donna Abu-Nasr, translated from Arabic*

This is your last free article. **Try 3 months for** \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

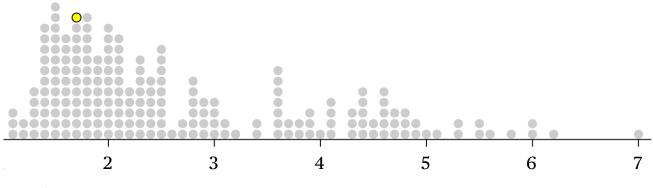
Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In



Decades of limits on family size and a culture of women working have led to a steep decline in China's fertility rate. A recent crackdown on gender discrimination forbids employers from asking female applicants' marital or maternity status, a step toward keeping women in jobs as the population ages.

Women in China have an average of 1.7 live births.



Fertility rate

Summer Guan, 36, works for a state-owned company in Beijing, where she makes about \$34,000 a year. She and her husband have one child.

This is your last free article. **Try 3 months for** \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

one day later the CEO told me to go on a business trip for several days. I raised the concern that my physical condition may not be fit for traveling long hours, but the CEO said, 'Overcome it.'

"The first day back from the trip, I found the company put out a recruitment notice online with the same title and job description as mine. My health was unstable during my pregnancy, so I applied for sick leave. The company agreed, but then the human resources supervisor asked me to submit previous medical records for sick leaves, including those that I already took. I didn't keep the records, as that was the first time they brought up such demands. Days later they sent an email informing me they would suspend my salary because I failed to provide the required documents.

"By that time, I was roughly three months pregnant. It was so hard to believe a company that I worked so diligently for would treat me this way, so I filed an arbitration suit seeking compensation for my overtime work since joining the company. Right after that, the company shut me out, suspending my work email and removing me from a work communication group, but they never dismissed me officially. By the time I wanted to quit the job, human resources refused to proceed unless I agreed not to 'claim any fees or hurt the company's reputation.' I refused, so they wouldn't let me take my belongings and refused to issue a resignation certificate, a required document in China's job market.

"I became one of the first people to act on [China's new anti-employment discrimination measures] and filed a lawsuit against my previous company. I see women are helpless when facing workplace discrimination. With the new [rules], women's rights can be upheld. It also sent a signal to the companies not to infringe female employees' rights.

"The whole incident has taken a toll on my personal life. I was a confident career woman, and financially independent, too. But now my confidence has been chipped away. I suffered from postpartum depression, and sometimes I woke up in the middle of the night crying. I blame myself for not taking good care of my child, and the regret will accompany me for my entire life." —Interviewed by Bloomberg News, translated from Mandarin

This is your last free article. **Try 3 months for** \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

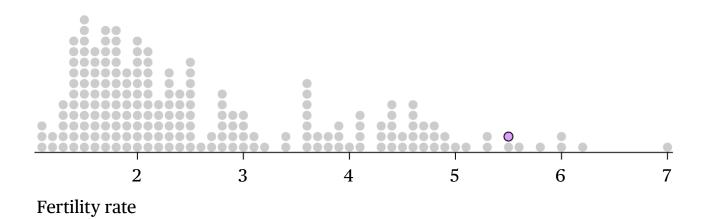
Already a subscriber or Bloomberg Anywhere client? Sign In



With their high fertility rates, Nigeria and its sub-Saharan neighbors are expected to contribute much of the world's net population gain over the coming decades. Feeding, educating, and employing these growing numbers will be difficult, and a gender and equal opportunity bill has been stalled in the Nigerian senate since it was introduced in 2010.

Women in Nigeria have an average of 5.5 live births.

4



This is your last free article. **Try 3 months for** \$105 **\$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

"My dad was in the air force, my mom was a teacher. As a matter of fact, my mom didn't just work, she had every type of business you can [have]. Apart from her day job, my mom sold ice blocks in the house. She sold popcorn, she had a salon, she had a garment-making fashion design place. She had a computer business at some point. She used to travel to China, Dubai, Senegal to buy stuff. Of course, Daddy works, because he wears a uniform every day and he goes out. But I remember thinking, Oh my gosh, mommy must be so rich, because she does all of these things. She's selling that or selling this, you know?

"I got married at 31. I graduated university at 20, so for 11 years, somebody was asking every day, 'What is going on?' Something must be wrong if you're not married at a certain age, you know? People worry about fertility—'the clock is ticking' is a popular term that you hear around here—and there's the economic side to it. People feel, especially if you're focused on your career and you're thriving, are you going to buy yourself the house and the car and the, you know, lifestyle? What will your husband do? My mom got married young, and I definitely think it was her expectation for her girls.



This is your last free article. **Try 3 months for** \$105 **\$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In Try 3 months for \$105 \$6. Cancel anytime.

anymore. And then you start to say, Where do I fit in? Where am I going to meet this person? Should I be going outside of my normal comfort zone?

"By the time I got married, it was my decision. Yes, I was conscious of the fact that I was getting older, but it wasn't as a result of pressure or urgency. I always wanted to have kids, no question. To be honest, now I wouldn't change anything. Maybe the days where I felt like, Really, why am I not married? I feel like there is some good in getting married a little later—what our society calls late—because you are very clear about what marriage is. I feel like really and truly, if you were single for 10 years, you could accelerate your career to a point where when you got married, there's no stopping you anymore." —*Interviewed by Tope Alake*

The Big Picture

Population dynamics can't be ignored, but they're also not economic destiny.

A study last year by the Organization for Economic Cooperation and Development found that, for most major economies, rising productivity was a more important driver of gross domestic product growth between 2000 and 2017 on average than population growth or change in the employment rate. More than 90% of China's potential growth in 2017 came from productivity increases, the most of any country and a few rungs ahead of the U.S. For Saudi Arabia, however, 62% came from population growth alone—and Nigeria is even more reliant than the Arab kingdom on the sheer size of its potential labor and consumer pool. France stands out for balancing increased productivity and population with higher employment, likely boosted by a healthy influx of working-age immigrants and its generous labor benefits.

Population is just one of three factors influencing national economies

This is your last free article. **Try 3 months for** \$105 **\$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

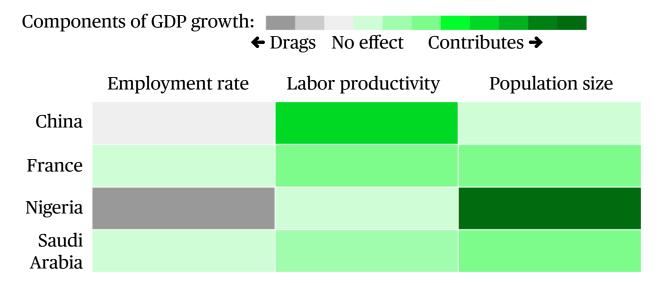
This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In



Productivity gains can make up some of the gaps as populations taper off and begin to shrink, but it's a much more challenging way to grow an economy and may not be sustainable over time: For most of the countries in the OECD's study, the relative contribution of productivity to growth has fallen over time.

Ultimately, no country will be left untouched by demographic decline. Governments will have to think creatively about ways to manage population, whether through state-sponsored benefits or family-planning edicts or discrimination protections, or else find their own path to sustainable economic growth with ever fewer native-born workers, consumers, and entrepreneurs.

Editor: Jillian Goodman

Design Direction: Alexander Shoukas

Sources and methodology:

Below are the individual sources for the various charts in this story.

• Fertility rate: 2017 data compiled by the <u>World Bank</u> from various sources, including the United Nations, Eurostat, U.S. Census Bureau, the Secretariat of the Pacific Community, and various national statistical offices. Total fertility rate represents the average number of children that women in a given country will have

This is your last free article. **Try 3 months for** \$105 **\$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

• Literacy rate: 2014 Unesco data compiled by the World Economic Forum.

The four country case studies were identified from among the world's 25 largest economies—based on the International Monetary Fund's purchasing power parity (PPP) measure of 2017 GDP—after reviewing the above four indicators, plus available data on educational attainment, wage equality, and statutory protections, including paid maternity leave and post-maternity job guarantees.

The OECD provided Bloomberg with its analysis of the contributions to GDP growth for 18 economies, including three of the case studies in this story: China, France, and Saudi Arabia. Respective contributions for Nigeria were calculated based on instructions provided by OECD, using the latest available data on real GDP, total employment and working-age population.

More On Bloomberg

How China's Communist Party Quietly Built a Real Estate Empire in Hong Kong DEC. 19, 2019

Why Hong Kong's Property Tycoons
Became Beijing's Scapegoats DEC. 18, 2019

How 'Good Governance' in 38 Countries Affects Living Standards DEC. 18, 2019

This is your last free article. **Try 3 months for** \$105 **\$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In

Terms of Service Trademarks Privacy Policy
©2019 Bloomberg L.P. All Rights Reserved
Careers Made in NYC Advertise Ad Choices Contact Us Help

This is your last free article. **Try 3 months for \$105 \$6. Cancel anytime.**

Already a subscriber or Bloomberg Anywhere client? Sign In

This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In This is your last free article.

Try 3 months for \$105 \$6. Cancel anytime.

Already a subscriber or Bloomberg Anywhere client? Sign In