

EVERYDAY CURRENT AFFAIRS – JUNE 5, 2022

STATES

- **On June 2, Maharashtra government - has launched faceless RTOs to help people get six services 'online' without the need of being physically present at the Regional Transport Offices**
 - ✓ The six services include renewal, duplicate driving license, change of address on a licence, duplicate RC book, change of address on the RC book, and a no-objection certificate of a licence to another state.
 - ✓ As per the state government, only those who need a permanent driving licence or come for verification for an international driving licence will need to go to the RTO.
 - ✓ Maharashtra Transport Department has been providing 118 different services to citizens, of which 80 are online and now six more have been included.
 - ✓ The Faceless platform will help to save the papers required for 18 to 20 lakh applications annually besides bringing in transparency and environment friendly interface

- **The Punjab government - has decided to abolish the physical stamp papers and launched e-stamping facility, in an attempt to bring efficiency and check the pilferage of state revenue**
 - ✓ Under the new system, stamp papers of any denomination can now be obtained via e-stamp, which refers to computerised print-outs from any stamp vendor or from banks authorised by the state government.
 - ✓ Earlier, the e-stamping facility in the state was applicable only for valuations of above Rs 20,000, but now the system was extended to all denominations starting from Rs 1
 - ✓ The decision would save at least Rs 35 crore annually spent on printing of stamp papers, besides facilitating the common public to obtain them in a hassle-free manner.

- ✓ The Punjab government would pay a commission of 2% to the stamp vendors on e-stamps ranging from Rs 1 to Rs 19,999, while the public would get stamp papers at the actual rates.
 - ✓ The facility had been launched by the State with the help of National e-Governance Services Limited.
 - ✓ Further, the department launched five additional e-facilities, including loan/ hypothecation agreement, agreement of pledge, affidavit and declaration, demand promissory note and indemnity bond.
- **The Andhra Pradesh government's Anti-Corruption Bureau - has developed a mobile application named "ACB 14400" to enable citizens to lodge complaints against corruption.**
- ✓ Andhra Pradesh Chief Minister YS Jagan Mohan Reddy launched the new mobile application recently

CRACKDOWN ON CORRUPTION

ACB 14400 app can be downloaded from Google Play Store. It will be available on Apple Store soon

FOLLOW-UP ACTION

Complaint will go to the special cell at the ACB headquarters	ACB officials will take action based on the contents of the complaint
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Officials will forward it to the ACB police station concerned in a mandal for the officers to initiate action

A case will be registered against the official & staff	Accused will be detained or action will be initiated
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Probe will begin & ACB will update progress of the case on the app

WHAT NEXT?

A One-Time Password (OTP) will be sent to the user's mobile phone for authentication



HOW TO LODGE A COMPLAINT?

TWO CATEGORIES WILL BE VISIBLE

LIVE REPORT
A citizen can capture photo, record audio/video to report corruption and submit the complaint directly

LODGE COMPLAINT
A person can prepare a complaint and attach existing documents/video/photo/audio and then submit it

Once the complaint is lodged, a reference ID will be sent to user's mobile phone

- ✓ The "ACB 14400" application consists of two categories - "Live Report" and "Lodge Complaint".
- ✓ In the "Live Report" section, users can click photographs, record audio or videos of live acts of corruption using their mobile phones and submit complaints instantaneously.
- ✓ In the "Lodge Complaint" section, users can prepare a complaint by attaching existing documents, photos, audio or video files before submitting it.
- ✓ Once the complaints are lodged, they will be reviewed by the Anti-Corruption Bureau for necessary action.
- ✓ The application can be downloaded from Google's Play Store.

- ✓ Earlier, people are allowed to file a complaint via the toll-free number, 14400, which was difficult to sustain legally as evidences cannot be submitted.

NATIONAL

- **India's drugs regulator - approved Hyderabad-based Biological E's Corbevax as a heterologous booster dose for adults having already taken two doses of Covishield or Covaxin vaccine**
 - ✓ This makes it the first vaccine to have been approved as booster dose
 - ✓ The Corbevax booster dose can be given six months after administration of the second shot of the Covid-19 vaccine
 - ✓ Drug Controller General of India (DCGI) gave the emergency use authorisation (EUA) after evaluating the clinical trial data and following deliberations with the subject experts committee (SEC).
 - ✓ The Hyderabad-based vaccine-maker has conducted a multicentre Phase 3 placebo controlled heterologous booster clinical trial in 416 subjects from 18 to 80 years of age
 - ✓ The subjects were previously vaccinated with two doses of either Covishield or Covaxin at least 6 months prior to the administration of Corbevax as a booster dose.
 - ✓ The booster dose of Corbevax increased the neutralizing antibody titers in the Covishield and Covaxin groups significantly when compared to placebo, according to the vaccine-maker.
 - ✓ In April this year, India's drug regulator had granted Emergency Use Authorisation (EUA) for Biological E's Corbevax for children in 5 to 12 years group along with Bharat Biotech's Covaxin for children in the age group of 6 to 12 years.
 - ✓ So far, 51.7 million doses of Corbevax have been administered to children across the country, including 17.4 million who have completed the two-dose regimen
 - ✓ Biological E had earlier said the price of Corbevax has been reduced to Rs. 250 from Rs. 840 a dose, inclusive of GST, for private vaccination centres.
 - ✓ Corbevax is developed and manufactured by Biological E. Limited in association with Texas Children's Hospital and Baylor College of Medicine as a recombinant protein sub-unit vaccine against Covid-19.
- **The Har Ghar Dastak campaign 2.0 - commenced across the country recently to ensure complete Covid-19 vaccination of all eligible beneficiaries**
 - ✓ The states and UTs have been advised to take advantage of this campaign and give an intense push towards the vaccination drive
 - ✓ The two-month long door-to-door campaign will run between June 1 and July 31.
 - ✓ It will have special focus on inoculation of those in the 12-14 age group and precaution dose for those above 60.
 - ✓ The first Har Ghar Dastak campaign was launched in November last year and conducted till December 31 during the second wave of the pandemic

- ✓ It focused on 100% Covid-19 vaccination of first dose and completing the backlog of second dose.
 - ✓ So far, 193.6 crore doses of the anti-Covid vaccine have been administered across the country
 - ✓ The nationwide Covid-19 vaccination program was started by the Central government on January 16, 2021, and the new phase of universalization of vaccination commenced on June 21, 2021
- **The National Health Authority (NHA) - has launched a public dashboard for near real-time information on its flagship scheme, Ayushman Bharat Digital Mission (ABDM).**



- ✓ The ABDM public dashboard provides detailed information on the mission's core registries, which include Ayushman Bharat Health Account (ABHA) numbers, Healthcare Professionals Registry (HPR), and Health Facility Registry (HFR).
 - ✓ The ABDM public dashboard is easily accessible to all stakeholders via the ABDM website
 - ✓ The dashboard also includes information about the number of health facilities, such as hospitals and laboratories that are registered on a daily basis as well as cumulatively.
 - ✓ As per the dashboard, the total number of Ayushman Bharat Health Account numbers created are over 22 crore and over 16.6 thousand health care professionals have registered in the Health care Professionals Registry.
- **State-owned Power Finance Corporation (PFC) - listed its green bonds worth €300 million on Luxembourg Green Exchange (LGX) under the Luxembourg Stock Exchange (LuxSE).**



- ✓ In this regard, a cooperation agreement was signed recently between Luxembourg Stock Exchange and the India International Exchange (IFSC) Limited (India INX) at Gujarat International Finance Tec (GIFT) City
 - ✓ PFC's green bond has a 7-year maturity and secures funding for renewable energy projects in India such as onshore generation facilities for both solar electricity and wind energy
 - ✓ Earlier in 2020, a Memorandum of Understanding (MoU) was signed for the purpose between the two exchanges with specific focus on advancing green finance in India.
 - ✓ The PFC's green bonds are already listed on India INX and will now also be registered on LuxSE's Securities Official List and displayed on the LGX, the world's leading platform for sustainable securities.
 - ✓ India INX is a Bombay Stock Exchange subsidiary founded in January 2017.
 - ✓ LuxSE has international debt securities listed by 2,000 issuers from 100 different countries.
 - ✓ The LGX was set up in 2016 to advance the sustainable finance agenda and has since been recognised by the United Nations for its contribution to accelerating climate-friendly investment.
 - ✓ PFC is India's largest non-banking financial corporation (NBFC) in the power sector.
- **On June 3, the National Health Authority (NHA) - announced the successful integration of e-Sanjeevani with its flagship scheme – Ayushman Bharat Digital Mission (ABDM).**
- ✓ This integration allows the existing users of e-Sanjeevani to easily create their Ayushman Bharat Health Account (ABHA) and use it to link and manage their existing health records like prescriptions, lab reports, etc.
 - ✓ The users would also be able to share their health records with doctors on e-Sanjeevani which will help in better clinical decision making

- ✓ e-Sanjeevani is the telemedicine service of Ministry of Health and Family Welfare (MoHFW)
- ✓ e-Sanjeevani platform has two types of telemedicine services — doctor-to-doctor (e-Sanjeevani) and patient-to-doctor (e-Sanjeevani OPD) tele-consultations
- ✓ The former is being implemented under the Ayushman Bharat Health and Wellness Centre (AB-HWC).
- ✓ Both versions – e-Sanjeevani AB-HWC and e-Sanjeevani OPD have been integrated with ABDM platform.
- ✓ The e-Sanjeevani telemedicine platform now joins other 40 digital health applications that have already completed their ABDM integration.
- ✓ In April 2020, during the nationwide lockdown, the Union health ministry launched e-Sanjeevani OPD.
- ✓ In September 2021, Prime Minister Narendra Modi launched the Ayushman Bharat Digital Mission (ABDM).

SCIENCE, TECHNOLOGY & ENVIRONMENT

- **India - has set up its first-ever 'liquid mirror telescope' at Devasthal Observatory in nainital district of Uttarakhand.**



- ✓ This is the largest International Liquid Mirror Telescope (ILMT) of Asia, which is installed at a height of 2,450 metres in the Himalayas
- ✓ It has been placed at the Devasthal Observatory campus of Aryabhata Research Institute of Observational Sciences (ARIES).
- ✓ The telescope has a 4-metre-diameter rotating mirror made up of a thin film of liquid mercury to collect and focus light.
- ✓ The telescope will be used to observe the galaxies and other astronomical elements - from stars, galaxies, supernovae explosions, asteroids to space debris - present at the edge of the world.
- ✓ The conventional telescopes have polished glass mirrors with a single or combination of curved surfaces and are used to observe special celestial objects on specific nights on the other hand
- ✓ As the name suggests, liquid mirror telescopes are made up of reflective liquids and observes a strip of sky capturing all possible celestial objects

- ✓ One potential drawback of the liquid mirror telescope is its lack of flexibility because it can only point straight up (because of the rotating liquid) and make observations at the top most point, while conventional telescopes can be pointed anywhere to observe specific objects or formations
- ✓ The Liquid Mirror Telescope was set up by India in collaboration with Belgium, Canada, Poland and Uzbekistan
- ✓ It was designed and built at the Advanced Mechanical and Optical Systems Corporation and the Centre Spatial de Liège in Belgium.
- ✓ The funding, estimated to range between Rs 30 to Rs 40 crore, was jointly provided by Canada and Belgium
- ✓ The ILMT will be generating a huge volume of data as it is capable of generating 10-15 GB/night and it is set to work for the next five years starting October 2022.

SPORTS

- **World No. 1 Iga Swiatek – defeated American Coco Gauff in straight sets in the women's singles final to claim her second French Open title on June 4**



- ✓ The 21-year old Polish superstar extended her winning streak that began back in February this year to 35 matches, with the victory over 18-year old first-time finalist Coco Gauff at the Court Philippe Chatrier in Paris
- ✓ With the win, she has now equalled the record of Venus Williams for the longest winning streak by a woman in tennis in the 21st century.
- ✓ She has now won the French Open twice in just four years since her first Roland Garros crown in 2020
- ✓ Swiatek has now won an amazing six titles in a row and has an incredible record at French Open having lost only twice so far in 23 matches at the Roland Garros
- ✓ She has a win percentage of 91% which is the third-best in the history of the women's tournament.
- ✓ The Polish is the sixth player to win her first two French Open finals in the Open Era after Margaret Court, Steffi Graf, Monica Seles, Justine Henin and Serena Williams.

- ✓ Swiatek is the fourth youngest player to win her second title at the Roland Garros after than Seles, Graf and Chris Evert.
- **Indian pair of Swapnil Kusale and Ashi Chouksey – bagged gold at the ISSF World Cup Rifle/Pistol/ Shotgun in Baku, Azerbaijan in the 50m rifle 3 positions (3P) mixed team competition on June 4.**
- ✓ The pair of Swapnil and Ashi beat Ukrainian’s Serhiy Kulish and Daria Tykhova in the gold medal match.



- ✓ This was India’s second gold in the tournament after the trio of Elavenil Valarivan, Shreya Agarwal and Ramita clinched gold in the 10m air rifle women’s team event.
- ✓ Besides, the Indian shooters had also bagged three silvers in the tournament and finished second on the medals tally behind Korea. It was also Swapnil’s first gold and third medal overall at the Baku World Cup.
- ✓ He had earlier won silvers in both the men’s 3P individual and men’s team competitions.
- **Tokyo Paralympian high jumper Praveen Kumar – became the country’s first para athlete to finish on top of the podium in an able-bodied competition**



- ✓ On June 4, Praveen Kumar clinched a sensational gold at the 20th National Federation Cup Junior U20 championships in Nadiad, Gujarat
- ✓ Praveen cleared the height of 2.06m in his second attempt to win the gold in a strong field of 16 able-bodied high jumpers.
This was the second time Praveen had competed in an able-bodied athletics meet
- ✓ In the earlier meet, Praveen finished sixth after recording his best jump of 2.05 m at the senior national Federation Cup being held in Calicut in April this year.
- ✓ Praveen became the youngest medal winner in the Indian contingent at the Tokyo Para Games last year after he had won silver at the age of 18
- ✓ He suffers from deformity in one leg and feet from birth.
In Tokyo, his silver came in the men's T64 high jump category — with an Asian record of 2.07m.

RANKINGS

- **The Indian Institute of Science (IISc) – is ranked as the best institute from the country, being ranked at 42nd place in the latest Asia University Rankings 2022 by Times Higher Education .**
- ✓ Besides IISc, the country has three other institutes in the top 100, which include the Mysore-based JSS Academy of Higher Education and Research, which makes its debut in 65th place; IIT Ropar (at 68th place) and IIT Indore (at 87th place).
- ✓ Among Universities from Tamil Nadu, Alagappa University is ranked at 122nd place, while Saveetha University is ranked at 131st place
- ✓ There are 17 Indian universities in the top 200, down from 18 last year
- ✓ The seven first-generation Indian Institutes of Technology including Delhi, Bombay, Kharagpur and Madras continue to stay out of the list as they took a decision in 2020 not to participate in the global rankings, citing data discrepancy and lack of transparency.
- ✓ China is home to the continent's top two universities for the third consecutive year, with Tsinghua and Peking universities holding on to first and second place, respectively.
- ✓ Japan is the most-represented nation again this year, with 118 institutions, up from 116 last year.
- ✓ Moreover, a Palestinian university is ranked for the first time and Saudi Arabia has increased its representation in the top 100 from four to six institutions.
- ✓ With 71 institutions as against 63 last year, India was the third most-represented country, behind Japan and mainland China
- ✓ The Asia University Rankings 2022 comprises 616 universities from 31 countries and territories.

INTERNATIONAL DAY

➤ World Environment Day – June 5



- ✓ The day is celebrated every year to highlight the importance of nature and raise awareness about its protection and conservation
- ✓ World Environment Day is a platform for raising awareness on environmental issues such as marine pollution, overpopulation, global warming, sustainable consumption and wildlife crime
- ✓ World Environment Day was established in 1972 by the United Nations (UN) at the Stockholm Conference on the Human Environment, which began on June 5 and continued till June 16
- ✓ It was followed by the first ever World Environment Day celebration to mark the day in 1974 in the US with the theme – Only One Earth.
- ✓ Led by the United Nations Environment Programme (UNEP), the event is held in different countries on a rotational basis since 1987
- ✓ This year, World Environment Day will take place in Sweden and marks the 50th anniversary of the UN conference in 1972, referred to as Stockholm+50
- ✓ The theme for this year's celebration of World Environment Day is 'Only One Earth.'
- ✓ This was also the slogan for the 1972 conference at Stockholm which led to the birth of the annual global event on June 5.
- ✓ India hosted the 45th celebration of World Environment Day under the theme 'Beat Plastic Pollution'.
- ✓ World Environment Day celebration last year also launched the UN Decade on Ecosystem Restoration (2021-2030)
- ✓ It is a global mission to revive billions of hectares, from forests to farmlands, from the top of mountains to the depth of the seas.

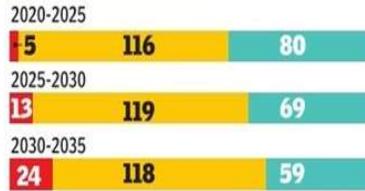
ANALYSIS OF UN WORLD POPULATION PROSPECTS REPORT

Most Countries Below Replacement Level

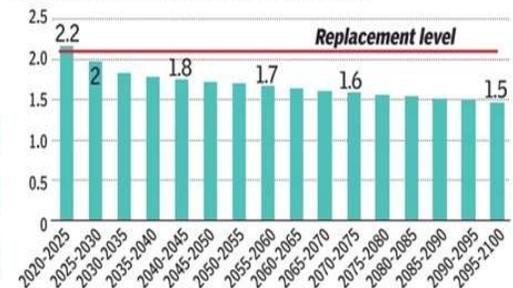
A country's population remains stable when it averages slightly more than 2 children per couple. But fertility has slipped below 'replacement level' in many countries, and the UN sees TFR for the entire world, which is at 2.2 now, falling below the replacement level of 2.1 between 2025 and 2030.

No. of countries below and above replacement fertility

■ Less than 1 ■ Between 1 and 2.1
■ Greater than 2.1

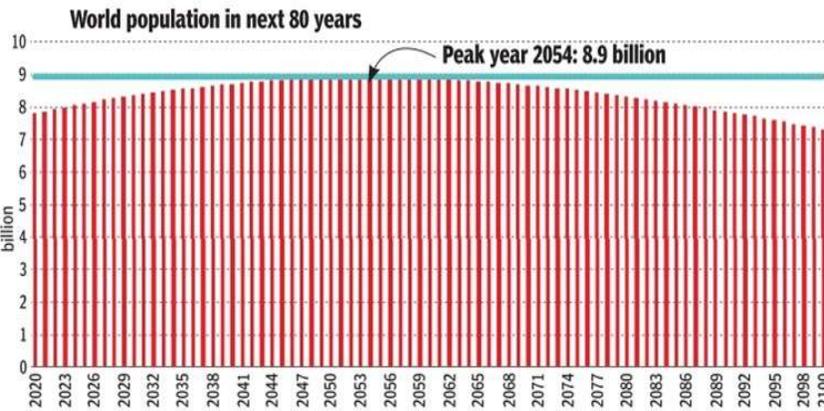


World TFR and replacement level fertility



Population To Peak In Next 30 Years

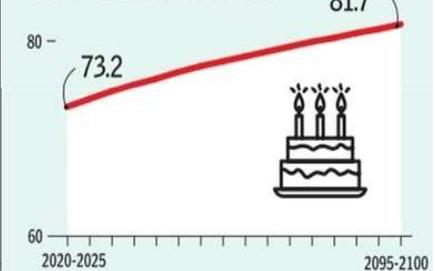
The UN estimates world population to peak around 2054 but many experts believe it could happen sooner. So, the world's population will keep declining in the second half of this century.



People Will Live And Work Longer

Global life expectancy will cross 80 years, from 73 at present, so people will live for more than 20 years after the current retirement age of 60. Governments will be forced to revise the retirement age upwards.

Global life expectancy (years)



India Will Shrink By A Third

Countries like India, Japan and China will go through a dramatic drop in population. By 2100, Japan's population will shrink by 60%, and China's by more than 50%. India will be the most populous country despite having 34% fewer people.

Highest populated countries (2020) that will lose population

Country	2020 (million)	2100 (million)	Change (%)
China	1,439	684	-52.5
India	1,380	911	-34
US	331	307	-7.2
Indonesia	274	205	-24.9
Brazil	213	114	-46.2
Bangladesh	165	89	-46.2
Russia	146	84	-42.6
Mexico	129	89	-30.6
Japan	126	50	-60.1
Philippines	110	95	-13.6

More People In Africa

Tanzania could end the century with 205 million people, as against its current population of 60 million. Nigeria, Congo, Uganda and Sudan could see their populations grow by twice or more.

Highest populated countries (2020) that will gain population

Country	2020 (million)	2100 (million)	Change (%)
Pakistan	221	265	20.2
Nigeria	206	531	157.7
Ethiopia	115	203	76.6
Egypt	102	152	48.5
Congo	90	260	190.8
Tanzania	60	205	242.9
Kenya	54	84	56.1
Uganda	46	94	105.1
Algeria	44	49	11.6
Sudan	44	103	135.6

Workers May Be Taxed More

For every 100 South Korean workers in the 15-64 age group, there are 22 retirees aged 65 and over. By 2050, the same 100 workers will support 79 retirees, and by 2100 there will be more dependent people than workers. Other countries like Japan and Italy will go through the same shift. So, governments will need to collect more taxes from the working-age population to support the elderly.



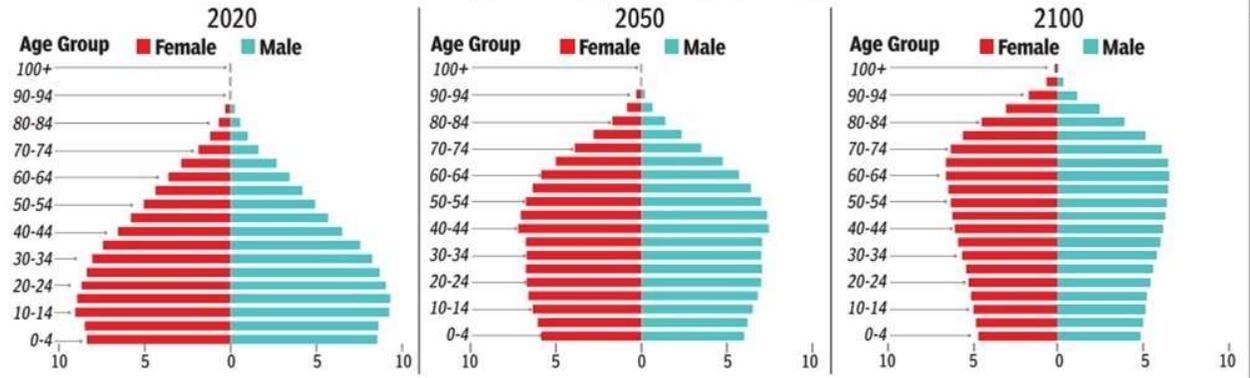
Old-age dependency ratio (ratio of population aged 65+ per 100 population aged 15-64)

Country	2020	2050	2100
Korea	22	78.8	117.3
Japan	48	79.4	111.7
Italy	36.6	73.4	103.5
Spain	30.4	77.1	98.2
China	17	46.2	89.6
India	9.8	21.5	68

India Will Be A Country Of Old People

India's population pyramid bulges near the 20s, meaning most people are around that age group. By 2100 there will be more elderly people than children.

Share (%) in total population by age and gender



More Countries Will Slow Down By 2035

Going by the UN's projections, South Korea and Taiwan are not outliers. Among countries with at least 5 million people, the UAE, Greece and Italy will have fertility rates below 1 by 2030. Japan, Thailand, Spain, Canada, Portugal, Serbia and Finland will join them by 2035.

Country	Population	Fertility rate		
		2020-2025	2025-2030	2030-2035
Japan	126.5	1.1	1	0.95
Thailand	69.8	1.2	1	0.92
Italy	60.5	1	0.9	0.88
South Korea	51.3	0.8	0.7	0.68
Spain	46.8	1.1	1	0.98
Canada	37.7	1.2	1.1	0.998
Taiwan	23.8	1	0.9	0.87
Greece	10.4	1	0.9	0.82
Portugal	10.2	1.1	1	0.95
UAE	9.9	1.1	0.9	0.81
Serbia	8.7	1.2	1	0.94
Singapore	5.9	1	0.9	0.8
Finland	5.5	1.2	1	0.99

