

2020

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2020 January February March April May June July August September October November December 2020 (MMXX) was a leap year starting on Wednesday of the Gregorian

2020 (MMXX) was a leap year starting on Wednesday of the Gregorian calendar, the 2020th year of the Common Era (CE) and Anno Domini (AD) designations, the 20th year of the 3rd millennium and the 21st century, and the 1st year of the 2020s decade.

The year 2020 was heavily defined by the COVID-19 pandemic, which led to global social and economic disruption, mass cancellations and postponements of events, worldwide lockdowns, and the largest economic recession since the Great Depression in the 1930s. 2020 is also notable for the murder of George Floyd by police that lead to worldwide protests and unrest. Geospatial World also called 2020 "the worst year in terms of climate change" in part due to major climate disasters worldwide, including major bushfires in Australia and the western United States, as well as extreme tropical cyclone activity affecting large parts of North America. A United Nations progress report published in December 2020 indicated that none of the international Sustainable Development Goals for 2020 were achieved. Time magazine used its sixth ever X cover to declare 2020 "the worst year ever," although the cover article itself did not go as far, instead saying, "There have been worse years in U.S. history, and certainly worse years in world history, but most of us alive today have seen nothing like this one."

Flygssystem 2020

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The Flygssystem 2020 ("Flight System 2020", abbreviated FS 2020) is an ongoing project by the Swedish Air Force to develop a fifth-generation low-observable fighter jet by 2035. Little public information exists about the project; there are no official statements about the current stage of development, although a video claims to show a miniature prototype test. In 2012, Lieutenant Colonel Lars Helmrich of the Swedish Air Force asked members of the Riksdag to consider the development of a new jet fighter or to upgrade all present JAS 39 multirole fighters to the NG model, claiming the early versions of the aircraft will be obsolete by 2020.

The Saab/Linköping University Generic Future Fighter project is a testbed for its technologies.

Tenet (film)

Tenet is a 2020 science fiction action thriller film written and directed by Christopher Nolan, who also produced it with his wife Emma Thomas. It stars

Tenet is a 2020 science fiction action thriller film written and directed by Christopher Nolan, who also produced it with his wife Emma Thomas. It stars John David Washington, Robert Pattinson, Elizabeth Debicki, Dimple Kapadia, Michael Caine, and Kenneth Branagh. The film follows a former CIA agent who is recruited into a secret organization, tasked with tracing the origin of objects that are traveling backward through time and their connection to an attack from the future to the present.

Nolan took over five years to write the screenplay after deliberating about Tenet's central ideas for more than a decade. Pre-production began in late 2018, casting took place in March 2019, and principal photography lasted six months in multiple countries. After delays due to the COVID-19 pandemic, Tenet was released in the United Kingdom on August 26, 2020, and in the United States on September 3, 2020. It was Nolan's last

film to be released by Warner Bros. Pictures.

Tenet was the first Hollywood tent-pole to open in theaters during the pandemic and grossed \$365 million worldwide on a \$205 million budget, making it the fifth-highest-grossing film of 2020 despite failing to break-even. The film divided critics but won Best Visual Effects at the 93rd Academy Awards and received numerous other accolades.

Expo 2020

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Originally scheduled for 20 October 2020 to 10 April 2021, it was postponed due to the COVID-19 pandemic in the United Arab Emirates. Despite being postponed, organizers kept the name Expo 2020 for marketing and branding purposes. The event had recorded more than 24 million

visits from around the world in its six months.

The Bureau International des Expositions (BIE) general assembly in Paris named Dubai as the host on 27 November 2013. Expo 2020 Dubai are expected to come up with Dh154.9 billion (\$42.2 billion) of gross value added (GVA) to the UAE's economy from 2013 to 2042, as per the EY report.

COVID-19 pandemic

early 2020. The World Health Organization (WHO) declared the outbreak a public health emergency of international concern (PHEIC) on 30 January 2020, and

The COVID-19 pandemic (also known as the coronavirus pandemic and COVID pandemic), caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), began with an outbreak of COVID-19 in Wuhan, China, in December 2019. Soon after, it spread to other areas of Asia, and then worldwide in early 2020. The World Health Organization (WHO) declared the outbreak a public health emergency of international concern (PHEIC) on 30 January 2020, and assessed the outbreak as having become a pandemic on 11 March.

COVID-19 symptoms range from asymptomatic to deadly, but most commonly include fever, sore throat, nocturnal cough, and fatigue. Transmission of the virus is often through airborne particles. Mutations have produced many strains (variants) with varying degrees of infectivity and virulence. COVID-19 vaccines were developed rapidly and deployed to the general public beginning in December 2020, made available through government and international programmes such as COVAX, aiming to provide vaccine equity. Treatments include novel antiviral drugs and symptom control. Common mitigation measures during the public health emergency included travel restrictions, lockdowns, business restrictions and closures, workplace hazard controls, mask mandates, quarantines, testing systems, and contact tracing of the infected.

The pandemic caused severe social and economic disruption around the world, including the largest global recession since the Great Depression. Widespread supply shortages, including food shortages, were caused by supply chain disruptions and panic buying. Reduced human activity led to an unprecedented temporary decrease in pollution. Educational institutions and public areas were partially or fully closed in many jurisdictions, and many events were cancelled or postponed during 2020 and 2021. Telework became much more common for white-collar workers as the pandemic evolved. Misinformation circulated through social media and mass media, and political tensions intensified. The pandemic raised issues of racial and geographic discrimination, health equity, and the balance between public health imperatives and individual

rights.

The WHO ended the PHEIC for COVID-19 on 5 May 2023. The disease has continued to circulate. However, as of 2024, experts were uncertain as to whether it was still a pandemic. Pandemics and their ends are not well-defined, and whether or not one has ended differs according to the definition used. As of 21 August 2025, COVID-19 has caused 7,098,868 confirmed deaths, and 18.2 to 33.5 million estimated deaths. The COVID-19 pandemic ranks as the fifth-deadliest pandemic or epidemic in history.

IMT-2020

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International Mobile Telecommunications-2020 (IMT-2020 Standard) are the requirements issued by the ITU Radiocommunication Sector (ITU-R) of the International Telecommunication Union (ITU) in 2015 for 5G networks, devices and services.

On February 1, 2021, the standard was published as Recommendation ITU-R M.2150-0 titled Detailed specifications of the radio interfaces of IMT-2020, but most of it was finalized years earlier. For example the requirements for radio access technologies listed below were adopted in November 2017. Following the publication of the requirements the developers of radio access technologies such as 3GPP and ETSI are expected to develop 5G technologies meeting these requirements. 3GPP is developing radio access technologies 5G NR, LTE-M and NB-IoT that together are expected to meet all requirements, while ETSI is developing DECT-2020 NR and Nufront is developing EUHT (Enhanced Ultra High Throughput).

2020 Summer Olympics

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The 2020 Summer Olympics, officially the Games of the XXXII Olympiad and officially branded as Tokyo 2020, were an international multi-sport event that were held from 23 July to 8 August 2021 in Tokyo, Japan, with some of the preliminary sporting events beginning on 21 July 2021. Tokyo was selected as the host city during the 125th IOC Session in Buenos Aires, Argentina on 7 September 2013.

Originally scheduled to take place from 24 July to 9 August 2020, the Tokyo Games were postponed until 2021 on 24 March 2020 as a result of the global COVID-19 pandemic, the first such instance in the history of the Olympic Games (some previous editions had been cancelled but not rescheduled). However, the Tokyo 2020 branding was retained for marketing purposes. The events were largely held behind closed doors with no public spectators permitted due to the declaration of a state of emergency in the Greater Tokyo Area in response to the pandemic, the only Olympic Games to be held without official spectators. As a consequence of the postponement and the additional challenges caused by the pandemic, the 2020 Games were the most costly ever, with a total expenditure of over \$20 billion.

The 2020 Games were the fourth Olympics to be held in Japan, following the 1964 Summer Olympics (Tokyo), the 1972 Winter Olympics (Sapporo), and the 1998 Winter Olympics (Nagano). Tokyo became the first city in Asia to hold the Summer Olympic Games twice. The 2020 Games were the second of three consecutive Olympics to be held in East Asia, following the 2018 Winter Olympics in Pyeongchang, South Korea and preceding the 2022 Winter Olympics in Beijing, China. Because of the one-year postponement, Tokyo 2020 is the only Olympic Games to have taken place in an odd-numbered year.

New events were introduced in existing sports, including 3x3 basketball, freestyle BMX and mixed-gender team events in a number of existing sports, as well as the return of madison cycling for men and an introduction of the same event for women. New IOC policies allowed the host city's organizing committee to

add new sports to the Olympic program for just one Games. The disciplines added by the Japanese Olympic Committee were baseball and softball, karate, sport climbing, surfing and skateboarding; the last four of these were making their Olympic debuts, and the last three have remained on the Olympic program.

The United States topped the medal table both by gold (39) and total medals (113), with China finishing second (38 and 89). Host nation Japan finished third, setting a record for the most gold and overall medals won by their delegation at an Olympic Games with 27 and 58. Great Britain finished fourth, with a total of 22 gold and 64 total medals. The Russian delegation competing as the ROC finished fifth with 20 gold medals and third in the overall medal count, with 71 medals. Bermuda, the Philippines and Qatar won their first-ever Olympic gold medals. Burkina Faso, San Marino and Turkmenistan also won their first-ever Olympic medals.

UEFA Euro 2020 squads

UEFA Euro 2020 was an international football tournament held across eleven cities in Europe from 11 June to 11 July 2021. The 24 national teams involved

UEFA Euro 2020 was an international football tournament held across eleven cities in Europe from 11 June to 11 July 2021. The 24 national teams involved in the tournament were required to register a squad of up to 26 players – of which three had to be goalkeepers – by 1 June 2021, 23:59 CEST (UTC+2), ten days prior to the opening match of the tournament. Only players in these squads were eligible to take part in the tournament.

In the event that a player on the submitted squad list suffered from an injury or illness prior to his team's first match of the tournament, that player could be replaced, provided that the team doctor and a doctor from the UEFA Medical Committee both confirmed that the injury or illness was severe enough to prevent the player from participating in the tournament. Should a goalkeeper have suffered from an injury or illness after his team's first match of the tournament, he could still be replaced, even if the other goalkeepers from the squad were still available. A player who had been replaced on the player list could not be readmitted to the list.

The position listed for each player is per the official squad lists published by UEFA. The age listed for each player is their age as of 11 June 2021, the first day of the tournament. The numbers of caps and goals listed for each player do not include any matches played after the start of the tournament. The club listed is the club for which the player last played a competitive match prior to the tournament. The nationality for each club reflects the national association (not the league) to which the club is affiliated. A flag is included for coaches who are of a different nationality to their team.

iPhone SE (2nd generation)

second-generation iPhone SE (also known as the iPhone SE 2 or the iPhone SE 2020) is a smartphone developed and marketed by Apple Inc. It is part of the 13th

The second-generation iPhone SE (also known as the iPhone SE 2 or the iPhone SE 2020) is a smartphone developed and marketed by Apple Inc. It is part of the 13th generation of the iPhone, alongside the iPhone 11 and 11 Pro/Pro Max models. Apple announced it on April 15, 2020, coinciding with the discontinuation of the iPhone 8 and 8 Plus. Orders began on April 17, 2020, and the phone was released on April 24, 2020. It was released with a starting price of US\$399, and positioned as a budget phone.

Following the pattern of the first iPhone SE (which shares the form factor of the iPhone 5s, with the internal hardware of the iPhone 6s), the second-generation model shares the form factor of the iPhone 8, with internal components from the iPhone 11 lineup. It has components such as the Apple A13 Bionic system-on-chip, which allows the phone to utilize the single wide-angle lens Portrait Mode, as on the iPhone XR. It also features Smart HDR-2 photos, which are marketed as being better than Smart HDR photos on the iPhone XS and iPhone XR.

Rec. 2020

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ITU-R Recommendation BT.2020, more commonly known by the abbreviations Rec. 2020 or BT.2020, defines various aspects of ultra-high-definition television (UHDTV) with standard dynamic range (SDR) and wide color gamut (WCG), including picture resolutions, frame rates with progressive scan, bit depths, color primaries, RGB and luma-chroma color representations, chroma subsamplings, and an opto-electronic transfer function. The first version of Rec. 2020 was posted on the International Telecommunication Union (ITU) website on August 23, 2012, and two further editions have been published since then.

Rec. 2020 is extended for high-dynamic-range (HDR) by Rec. 2100, which uses the same color primaries as Rec. 2020.

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