Since 1948, Civil Air Patrol has served the nation as the Auxiliary of the Air Force and today it is part of its Total Force. CAP is also a congressionally chartered nonprofit. America benefits from this dual status, giving CAP the ability to conduct cost-effective missions for the government as well as communities and states.
Through its cadet program, CAP instills the organization’s core values of integrity, volunteer service, excellence and respect in its youth. Cadets are drug-free role models in their communities and schools.
The Youth Aviation Initiative recently started by Civil Air Patrol is designed to identify young pilots and help fund their flight training through accessible programs that allow diversity and disadvantaged youth participation. One million dollars in U.S. Air Force-generated funds has been set aside for CAP’s new “Take Off” program, which will fund flight training for cadets, reducing their cost of attending CAP’s flight academies and providing funding for scholarships to allow them to earn their private pilot certificates.
Another $400,000 in Youth Aviation Initiative funding is expected to generate a 156 percent increase in Air Force ROTC and JROTC orientation flights in CAP planes and gliders in 2019. This follows increases in both powered and glider flights in 2018, which totaled over 35,000. The additional funds for the coming year will lead to an estimated 3,500 more flying hours for CAP and over 3,000 orientation flights for Air Force ROTC and Air Force Junior ROTC cadets.

Each summer, CAP’s cadet program offers more than 1,500 members in-depth leadership training through National Cadet Special Activities like Cadet Officer School and the Civic Leadership Academy. The training cadets receive at these weeklong activities, which often includes STEM-based initiatives like the one seen here, enables them to become real leaders in their home squadrons, their schools and their communities.

Physical fitness and well-being are the primary goals of CAP’s new Active Cadet Fitness initiative, which is aligned with the Presidential Youth Fitness Program. Through the program, cadets are motivated to develop a lifelong habit of regular activity.

Adult members and cadets hone their disaster relief, search and rescue and survival skills at the National Emergency Services Academy. Here, participants tighten the cords on a portable antenna, which is used for remote communications.

Through its National Cadet Special Activities as well as numerous field trips in their communities, CAP cadets annually explore careers in a wide variety of fields, including military service, aerospace and aviation. Thanks to this exposure, many CAP youth choose to pursue related careers after they leave the cadet program.

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CAP’s fleet of 53 gliders, located at squadrons throughout the U.S., introduces many cadets to flight. The glider program is led by the organization’s dedicated pilots, who made over 2,600 orientation flights in 2018. Their work helps cadets learn how to fly, playing a vital role in the future of American civilian and military aviation.
Led by coaches like Maj. Bill Blatchley, standing right, CAP cadets are leaders in the Air Force Association’s national high school CyberPatriot program. His Colorado Springs team has reached the competition’s national finals eight straight years, winning the All Service Division title in 2012 and 2017. Last year, Blatchley was chosen by AFA as CyberPatriot X Coach of the Year.
Youth interested in aerospace and aviation can become immersed in CAP’s rocketry and model aircraft programs. Cadets build rockets and fly model planes, learning about the hobby and the science of both while earning specialty badges.

Civil Air Patrol’s aerospace education/STEM curricula, which include more than 40 booklets, lesson plans, textbooks and other products, provide students and educators alike with fun activities for the classroom. Here, a teacher at Hillsboro Charter Academy in Virginia helps her students track the moon’s craters with CAP’s Bee Bot grid mat.

CAP’s aerospace education program is investing additional funding in aviation-related products like these flight simulators to influence future pilots among its ranks, thereby helping the U.S. Air Force address the nation’s ongoing pilot shortage. Through this expansion, CAP hopes to influence at least 150,000 more youth each year.

Aerospace Education Members who join Civil Air Patrol’s ranks participate in the Teacher Orientation Program, getting an opportunity to fly in one of CAP’s signature red, white and blue Cessnas. It’s an experience they can share with their students throughout the year. The number of CAP’s AEMs grew significantly in the past year — from 3,100 to 4,200, a 36 percent increase.

With its 15 hands-on STEM Kits, CAP’s aerospace education program is encouraging over 320,000 youth annually to consider careers in America’s technical workforce. Here, students in California work with the robotics kit, while others in Alabama, at right, try their hand at hydraulic engineering. Other kits available are Astronomy, Bee Bots, Flight Simulator, Middle School Math, Model and Remote-Control Aircraft, Quadcopter, Raspberry Pi, Ready-to-Fly Quadcopter, Renewable Energy, Rocketry, Snaptricity, Sphero and Weather Station.
CAP-trained Point of Distribution (POD) teams from North Carolina, Maryland and Virginia distributed bottled water and other emergency supplies like ice and tarps to Hurricane Florence victims.

654/1,293
654 FLIGHTS FOR GREEN FLAG EXERCISES, ACCUMULATING 1,293 HOURS OF AIR TIME

1,030
1,030 FLIGHT HOURS PROVIDED IN RESPONSE TO HURRICANES FLORENCE AND MICHAEL

$187 million+
2018 VALUE OF CAP MEMBERS’ SERVICE TO AMERICA IS $187,202,536
CAP’s Chaplain Corps — one of the largest in the world, with more than 450 chaplains and over 600 character development instructors — has launched a partnership with the Air Force Chaplain Recruiting Office that now includes CAP in the Air Force’s chaplain recruiting materials.

Recently, CAP celebrated a partnership with American Airlines, which presented the organization with a $25,000 grant to inspire and train CAP cadets to be among the nation’s next generation of aviators.

Civil Air Patrol’s highly trained aircrews, consisting of nearly 7,000 pilots and other aircrew members, amassed nearly 90,000 hours aloft in 2018.

Last fall, CAP’s air and ground crews responded en masse to two powerful Category 4 storms — Hurricane Florence in the Carolinas and then Hurricane Michael in the Florida Panhandle and southwest Georgia. Nearly 500 sorties were flown in 68 CAP aircraft in support of both responses. One of the CAP aircrews documented this damage from Michael with new WaldoAir technology.

CAP aircrews provide key airborne escort and monitoring required for training of the military’s RPA (Remotely Piloted Aircraft) pilots. This mission allows military units to provide critical training needed to qualify at least 25 percent more RPA operators.
In advance of Hurricane Florence’s arrival, South Carolina Wing aircrews prepare a Cessna 182 used for aerial photography and observation missions after the Category 4 storm made landfall. Aircrews used CAP planes like this one to take nearly 12,000 images of Florence’s destruction. North Carolina Wing members work through the flight planning process even before Hurricane Florence moved away from the wing’s mission base in Burlington. Seven hundred and eighty-nine CAP members from 20 wings ultimately became involved in the response. Despite damage to his family home from Hurricane Florence and a lengthy evacuation, North Carolina Cadet Tech Sgt. Corbin Endre helped ensure storm and flood victims received much-needed disaster relief supplies at the POD site in Wilmington. Here, the CAP cadet loads a box of MREs (Meals Ready to Eat) for a family waiting in line. CAP ground teams helped measure post-storm flooding in Hawaii and South Carolina. They were tasked with identifying mud or silt lines and noting debris lines or debris snags and downloading the data to emergency managers via a FEMA app.

In 2018, the organization’s 34,000-plus emergency responders supported 97 disaster relief and other state-requested missions across the country, from small storms to major events like hurricanes, tornadoes, wildfires and even volcano eruptions. Most often, CAP’s responders were tasked with taking aerial damage assessment photos. On 251 missions in 2018, CAP personnel served as targets of interest for air defense intercept training and evaluations, flying 1,635 hours on 861 sorties.
The popularity of miniature drones has led to the formation of CAP’s sUAS (small Unmanned Aerial Systems) program to enhance its existing mission capabilities. Quadcopter and hexacopter kits, tested during the past year to allow for longer-duration imagery collection, will soon be available to nearly 40 CAP wings. CAP is working to implement options for night operations and beyond visual line of sight as members acquire enough experience to gain FAA approval, in addition to bringing operational sUAS capabilities to the remaining 12 wings.
ICARUS, an aircraft detection and alerting near-real-time system developed by CAP’s National Radar Analysis Team, features this Mission Sandbox showing the eye of Hurricane Michael. This response tool helps CAP incident teams watch where search aircraft are flying in real time.

CAP maintains advanced Surrogate Remotely Piloted Aircraft sensor technology for training U.S. military and coalition forces before they deploy overseas.

These CAP aerial images show the flood-damaged Sanford Dam in Boiling Spring Lakes, North Carolina. They were taken by a Surrogate RPA aircrew tasked with flying over critical infrastructure in areas affected by Hurricane Florence.

CAP’s national Cell Phone Forensics Team conducted its 1,500th mission in 2018. Since 2006, the team has assisted in finding over 700 people and saving nearly 500 lives nationwide. The team uses software developed by CAP members to narrow down search sites like the one seen here.

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CAP's air and ground crews are in constant contact with each other through CAP's multimillion-dollar communications network. Over 250 of CAP's powered planes are equipped with technically advanced glass cockpits, which enhance aircrew effectiveness and safety. Another advance in avionics already available on 75 percent of the fleet is the latest ADS-B (Automatic Dependent Surveillance-Broadcast) technology. It allows CAP pilots to see advanced traffic and weather on Garmin portables and tablets using Garmin Pilot and ForeFlight Mobile apps.

A Google Earth screen capture shows National Radar Analysis Team tracking that helped lead searchers to a Medevac crash site in North Dakota. Using radar data forensics in collaboration with cell phone data forensics, the CAP teams pinpointed the crash site.

Civil Air Patrol's Cessna 172s and 182s make up most of the Air Force auxiliary's 560-plane fleet, which is recognized as one of the world's largest fleets of single-engine piston aircraft.

CAP aircrews tested a new WaldoAir XCAM Ultra50 sensor pod system in 2018, producing high-resolution images for disaster relief.
Community Service

337 SQUADRONS
CAP MEMBERS FROM 337 SQUADRONS HELPED PLACE NEARLY 2 MILLION WREATHS ON VETERANS’ GRAVES

47 / 2 PEOPLE/AIRCRAFT FOUND LIVES SAVED
NATIONAL RADAR ANALYSIS TEAM CREDITED WITH 47 FINDS AND 2 SAVES IN 2018.

50+
YEARS
FOR OVER 50 YEARS NATIONAL BLUE BERET HAS PROVIDED CADETS THE OPPORTUNITY TO PARTICIPATE IN THE WORLD’S LARGEST AIR SHOW.

Cadet Airman 1st Class Michael Pereira of the New York Wing’s Putnam County Composite Squadron carries out a dessert tray from the kitchen during the Putnam County Veterans Chow Down, held annually to honor those who served.
Among the skills cadets develop as part of their training is flight marshaling — a skill that can be counted on at air shows, including the world’s largest such event — EAA AirVenture Oshkosh in Wisconsin.

CAP members’ support for the military extends beyond the ranks to include service members’ families. In New Hampshire, members of the Seacoast Composite Squadron participated in the Salute to Troops Family Day in Portsmouth. Cadets ran games and rides for the children.

Hawaii Wing members stepped up to help ensure the success of the Kids4CPR/AED Institute’s campaign to provide hands-on training for youth attending Child/Youth Day at the Capitol in Honolulu. Among those participating was Cadet master Sgt. Braden Pascua of the Maryknoll Cadet Squadron, who demonstrated proper placement of Automated External Defibrillator pads to one young visitor.

Civil Air Patrol members can be counted on to salute veterans receiving Honor Flights in tribute to their service to the U.S., whether they’re taking off on a flight for Washington, D.C., or returning from such a visit to the nation’s capital.

In addition to Wreaths Across America observances in December, Memorial Day provides a prime opportunity for CAP members to pay tribute to those who served. Cadet Staff Sgt. Matt McCaskill of the Arizona Wing’s Falcon Composite Squadron 305 paused for a moment of reflection as he placed one of hundreds of flags on veterans’ gravesites in Mesa.

Every year, Wreaths Across America is Civil Air Patrol’s signature community service mission, with members across the U.S. stepping up to obtain sponsorships for memorial wreaths placed on veterans’ headstones nationwide. Among the thousands participating last year was this Stanton Composite Squadron cadet saluting a veteran’s grave in Minnesota’s Fort Snelling National Cemetery.
MISSION FLIGHT ACTIVITY

Search and Rescue
- 1,012 Missions
- 940 Sorties
- 1,640 Hours
- 430 Cell or Radar Finds
- 282 Cell or Radar Lives Saved
- 138 Cell or Radar Lives Saved
- 712 Total Finds
- 158 Total Lives Saved

Disaster Relief
- 28 Missions
- 854 Sorties
- 1,345 Hours

Counterdrug & Drug Interdiction/Homeland Security
- 5 Missions
- 1,447 Sorties
- 3,540 Hours

Air Defense/Homeland Defense
- 251 Missions
- 861 Sorties
- 1,635 Hours

Cadet Orientation Flights
- 302 Missions
- 18,171 Sorties
- 15,826 Hours
- 31,836 CAP Cadets Flown
- 1,043 AFROTC Cadets Flown
- 2,437 AFROTC Cadets Flown

Maintenance
- 65 Missions
- 7,738 Sorties
- 7,993 Hours

Training
- 1,101 Missions
- 19,217 Sorties
- 24,507 Hours

Other Air Force Support/Homeland Defense
- 68 Missions
- 8,029 Sorties
- 8,264 Hours

Other State Support
- 69 Missions
- 1,103 Sorties
- 1,793 Hours

All Other Operations
- 374 Missions
- 17,953 Sorties
- 23,425 Hours

Total
- 3,245 Missions
- 74,248 Sorties
- 89,773 Hours

2018 STATISTICS

MEMBERSHIP
- 34,844 Adult Members
- 26,222 Cadets
- 61,066 Total Members
- 6,859 Aircrew Personnel
- 34,732 Emergency Responders
- 1,442 Squadrons

EQUIPMENT
- Aircraft: 560 Airplanes, 53 Gliders, 2 Hot Air Balloons
- Vehicles: 1,076
- Communications Equipment: 9,857 VHF/ FM Stations, 739 Repeaters, 1,987 HF Stations

2018 VALUE OF CAP MEMBERS’ SERVICE TO AMERICA
$187,202,536

FUNDING
- Federal Funding: $30.8 Million Operations & Maintenance
- $10.6 Million Aircraft Procurement
- $1.7 Million Vehicle Procurement
- In-State Funding Received by CAP Wings: $3,026,928

MISSION FLIGHT ACTIVITY

Civil Air Patrol’s 11-member Board of Governors generates strategic policies, plans and programs designed to guide and support the volunteer service of the organization’s 52 wings. CAP’s national commander and chief executive officer, the organization’s chief operating officer and the CAP-USAF commander serve as advisors to the Board of Governors.

Air Force-Appointed Members
- Lt. Gen. Judy Fedder, USAF (Ret), Chair
- Maj. Gen. Sandra (Sandy) Finan, USAF (Ret)
- Brig. Gen. Ken Ekman, USAF Vice Commander, CONUS NORAD Region, 1st Air Force (AFNORTH)
- Robert E. Corsi Jr., USAF (Ret)

Civil Air Patrol-Appointed Members-At-large
- Col. J. Bradford Lynn, CAP, Vice Chair
- Col. Jayson Altieri, CAP
- Col. Dale Newell, CAP
- Lt. Col. Thomas S. Vreeland, CAP

Industry, Government & Education Appointed Members
- CDR George M. Perry, USN (Ret), Aviation Safety Advocate, Author and Speaker, United Parcel Service
- Maj. Gen. Teresa Marné Peterson, USAF (Ret), Board of Directors, National Order of Daedalians
- Stacey Bechdolt, Vice President, Safety & Operations Regulatory Counsel, Regional Airline Association

Advisors to the Board of Governors
- Col. Michael D. Tynnyri, USAF Commander, CAP-USAF
- John Salvador, Executive Secretary/Chief Operating Officer, CAP

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FUNDED MISSIONS
- Search and Rescue
  - 1,012 Missions
- Disaster Relief
  - 28 Missions
- Counterdrug & Drug Interdiction/Homeland Security
  - 5 Missions
- Air Defense/Homeland Defense
  - 251 Missions
- Cadet Orientation Flights
  - 302 Missions
- Maintenance
  - 65 Missions
- Training
  - 1,101 Missions
- Other Air Force Support/Homeland Defense
  - 68 Missions
- Other State Support
  - 69 Missions
- All Other Operations
  - 374 Missions
- Total
  - 3,245 Missions
Mission Statement
Supporting America’s communities with emergency response, diverse aviation and ground services, youth development and promotion of air, space and cyber power.

gocivilairpatrol.com