

# Colorado Department of Public Health and Environment

## SMART Act Hearing

Joint Senate Health and Human Services and House  
Health and Insurance Committee  
January 26, 2021



**COLORADO**  
Department of Public  
Health & Environment



# Opening Remarks

**Jill Hunsaker Ryan, M.P.H**

**Executive Director**

**Colorado Department of Public Health and  
Environment**

# CDPHE Mission & Vision

## CDPHE's mission:

Advancing Colorado's health and protecting the places where we live, learn, work, and play.

## CDPHE's vision:

A healthy and sustainable Colorado where current and future generations thrive.

# CDPHE Organizational Chart

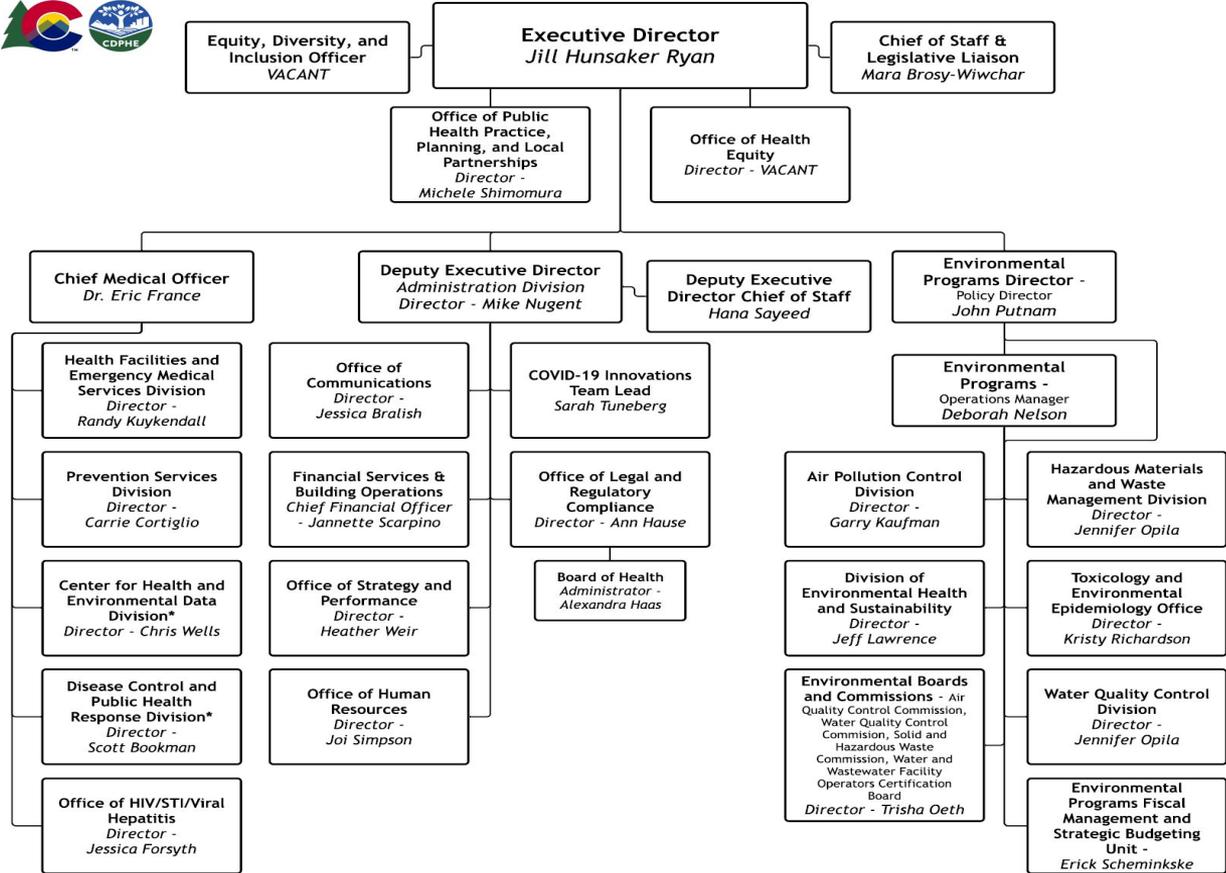


**\*1685 Total FTE**

**\*3 Campuses**

**\*386 FTE have been added due to pandemic**

**\*1,230 contractors and volunteers added due to pandemic**



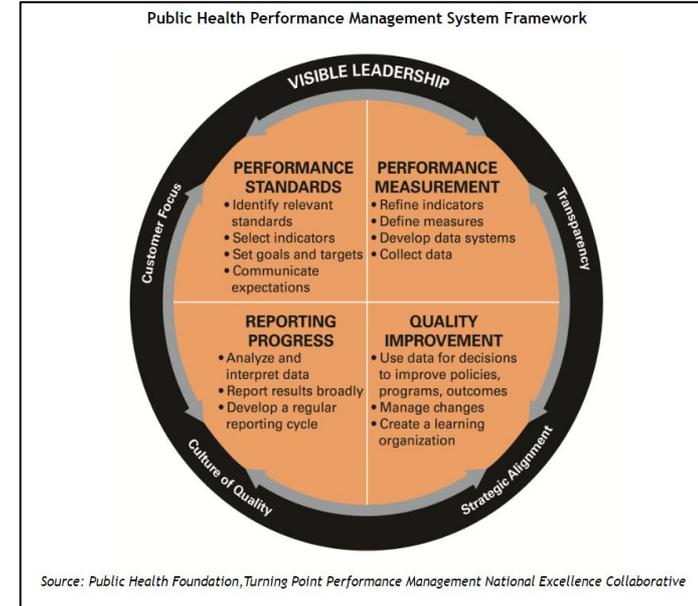
# CDPHE Performance Management

- We use the 4DX System of WIGS or Wildly Important Goals consistent with the Governor's office and line with the SMART Act.
- We use “leading” and “lag” measures to measure actions and outcomes.
- We track our progress through activities and work plans
- We use dashboards and visuals to make it easy to see how we are doing (Tableau)
- We hold monthly Performance Reporting Forums → review strategic plan goals (open to all staff)
- We use improvement tools like Lean process improvement, behavioral insights, change management,

etc



**COLORADO**  
Department of Public  
Health & Environment



# CDPHE FY 2020-21 Wildly Important Goals (WIGs)



Air Quality



COVID-19  
Response



Healthy Eating  
Active Living



Increased  
Immunizations



PFAS Detection,  
Mitigation,  
Prevention



Suicide  
Prevention



HIV  
Prevention



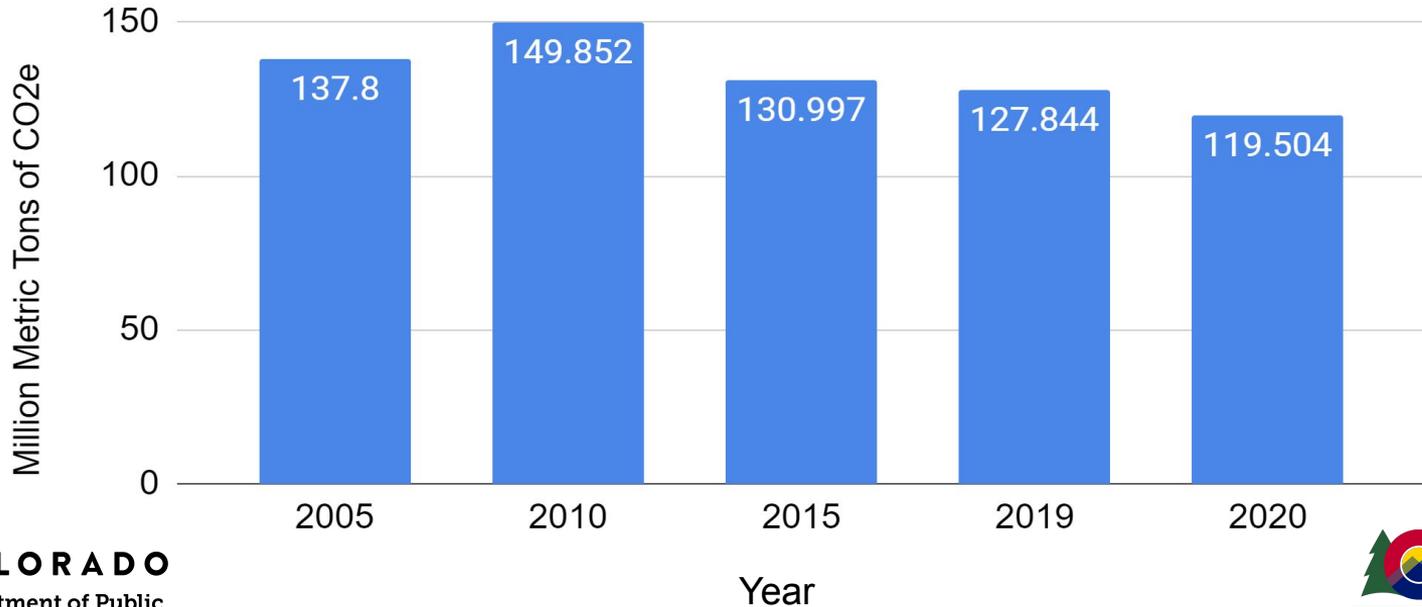
Operational  
Excellence

# WIG: REDUCE GREENHOUSE GAS EMISSIONS (CO2)



WIG: **Reduce Greenhouse Gas (GHG) emissions** economy-wide from 2005 baseline of million metric tons of CO<sub>2</sub>e (carbon dioxide equivalent) per year to 117.335 million metric tons of CO<sub>2</sub>e per year by June 30, 2021.

**Million Metric Tons of CO<sub>2</sub>e: Colorado 2005 (baseline), 2010, 2015, 2019, 2020**



# WIG: Reduce Greenhouse Gas (GHG) Emissions



## 2020 Achievements:

- [HB 1261], [SB 96]: 5 Person Climate Change Unit
- [SB 96]: GHG reporting rule to provide better GHG inventory data and promote climate action planning and implementation in local communities.
- [SB 96]: AQCC Rule to phase out hydrofluorocarbons.
- [HB 1261]: AQCC adopted a resolution setting sector-specific GHG targets for 2025 and 2030
- GHG Pollution Reduction Roadmap Development



# WIG: REDUCE GREENHOUSE GAS EMISSIONS



## GHG Pollution Reduction Roadmap Strategies:

- Continue transition from coal → renewables
- Reductions in methane emissions from oil and gas
- Electrify cars, trucks, buses
- Transportation planning/infrastructure to reduce driving
- Building/industrial efficiency & electrification
- Reducing methane emissions (coal mines, landfills, waste water and agriculture)
- Addressing equity in policy design in each sector

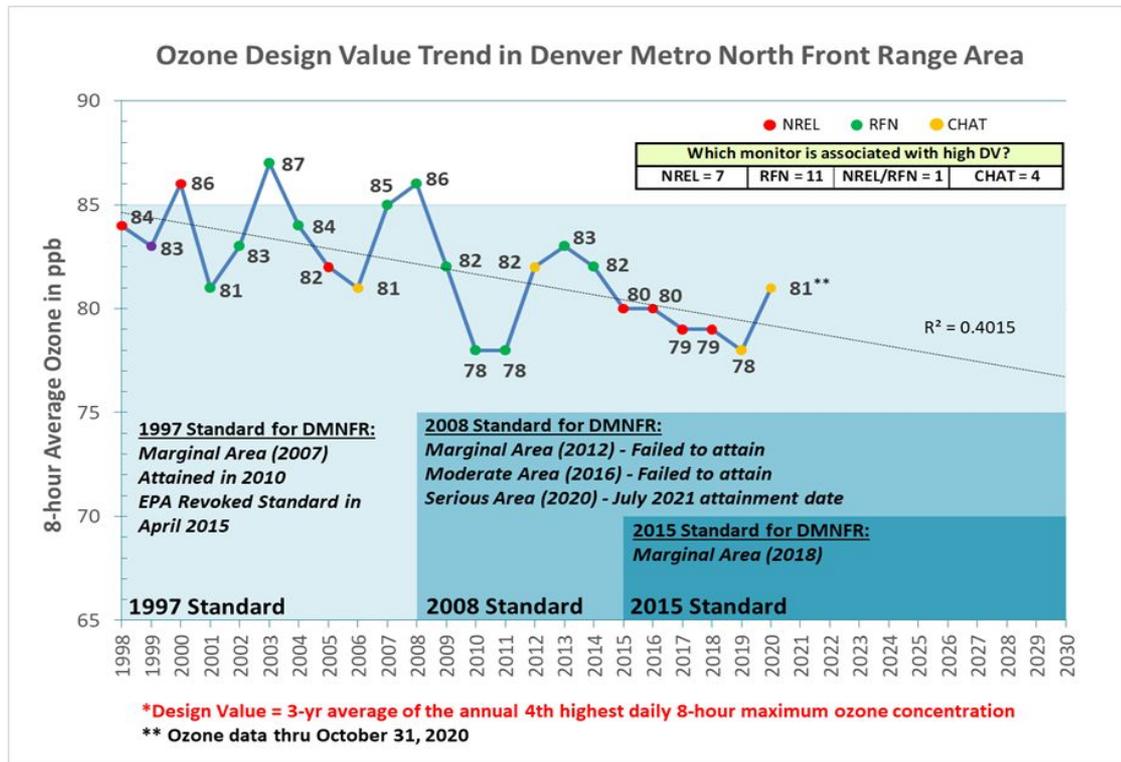


# WIG: AIR QUALITY- REDUCE OZONE LEVELS



WIG: Reduce ozone from 80 parts per billion (ppb) to 79 ppb by June 30, 2021 and 74 ppb by June 30, 2024.

*Successful completion of this goal will meet the 2008 federal health based standard for ozone and bring levels closer to attaining the 2015 standards.*



**COLORADO**  
Department of Public Health & Environment

# WIG: AIR QUALITY - Reduce Ozone Levels



## Counties in the 8-hour Ozone Nonattainment Area (2008 Standard)

- Adams
- Arapahoe
- Boulder
- Broomfield
- Denver
- Douglas
- Jefferson
- Larimer
- Weld



# WIG: AIR QUALITY: Reduce Ozone Levels



## 2020 Achievements:

- Collaboration with the COGCC on sweeping Mission Change Rules minimizing emissions from the Oil and Gas Sector
- AQCC adopted rules in September for engines, disposal wells, and pre-production facilities, and in December for boilers, engines, turbines, foam manufacturing, and wood surface coating

## 2021 Look Ahead:

The AQCC will consider:

- Oil and Gas rulemaking to reduce O&G emissions by at least  $\frac{1}{3}$  by 2025 and over 50% by 2030
- Second round of Regional Haze rulemaking is slated for to control of NO<sub>x</sub>, SO<sub>2</sub>, PM emissions
- Rules to replace pneumatic devices



# WIG: Detect/Mitigate/Prevent PFAS Contamination



## OVERVIEW

- An emerging contaminant sometimes called “Forever chemicals” Per- and polyfluoroalkyl substances (PFAS)
- Negative health impacts from long-term exposure most often associated with water contamination from fire fighting foam
- 2013-2015- EPA required all public water systems serving more than 10,000 people to be tested (81 systems in CO)
- Levels above EPA Health Advisory were found in Security Widefield and Fountain in El Paso County - CDPHE, EPA and these municipalities have been working together to mitigate. Efforts in other areas of known contamination are ongoing in Boulder, Teller and Adams counties where CDPHE is working with the local public health agency.
- 2020 CDPHE created an action plan with \$500,000 from the legislature to test 400 water systems, 152 groundwater sources and 71 surface water sources. All water systems were below health advisory levels, although higher levels were found in some untreated groundwater and surface water sources.
- To date, drinking water systems that serve 90% of Colorado’s population have been tested.



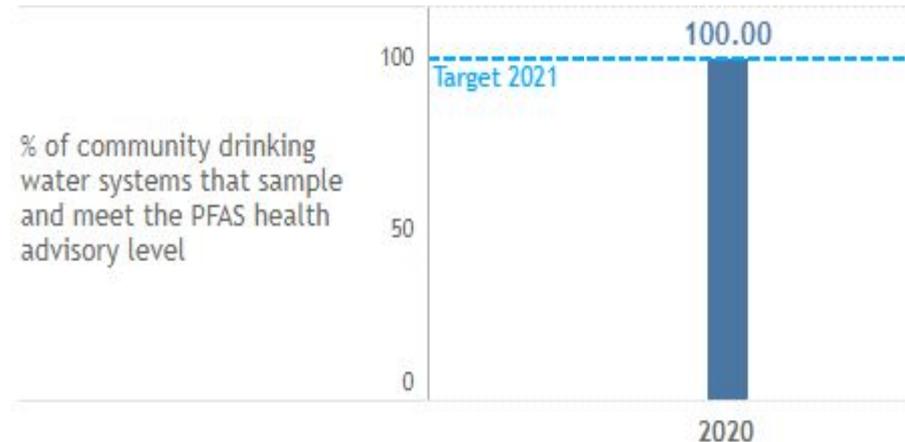
# WIG: Detect/Mitigate/Prevent PFAS Contamination



WIG: Maintain the percent of community\* drinking water systems that sample and meet the health advisory level for PFAS at 100% by June 30, 2021.

*\*Also includes schools and large workplaces with their own water systems*

*Successful completion of this goal will provide a clear picture of PFAS contamination levels present in drinking water systems within the state.*



# WIG: Detect/Mitigate/Prevent PFAS Contamination



## 2020 Achievements:

- 400 of 895 public water systems (serving 74% of Colorado's population) participated in the 2020 sampling project
- The Water Quality Control Commission adopted Policy 20-1 that enhances the department's ability to monitor for PFAS at facilities that are permitted to discharge wastewater to state waters.
- Passage of HB 1119, SB 218: further tools to track and take back toxic firefighting foam and a cash fund for toxicology and additional surveillance.

## 2021 Look Ahead

- HB 1119: PFAS registration program for entities using PFAS firefighting foams
- SB 218: Establish the PFAS takeback program for proper disposal of PFAS materials
- Community grant program to test, assess and address PFAS
- Further assess Colorado's need for setting it's own health- based PFAS values.



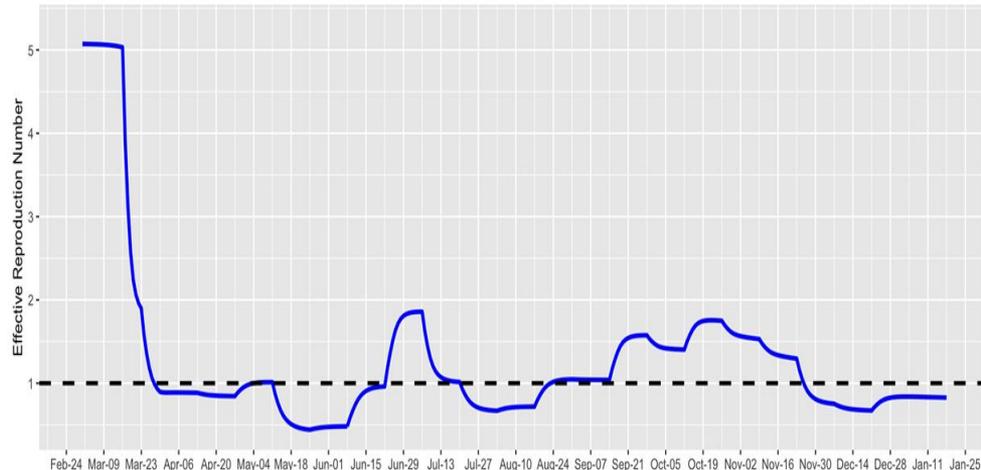
# WIG: COVID-19 RESPONSE (R-Naught)



WIG: Achieve and maintain an RO (effective reproductive number) of less than 1 by June 30, 2021 and maintain an R of less than 1 through June 30, 2024.

*Successful completion of this goal will prevent exponential transmission of the COVID-19 virus.*

**Reproductive Number (R0) of SARS-CoV-2 March 2020 - January 2021**



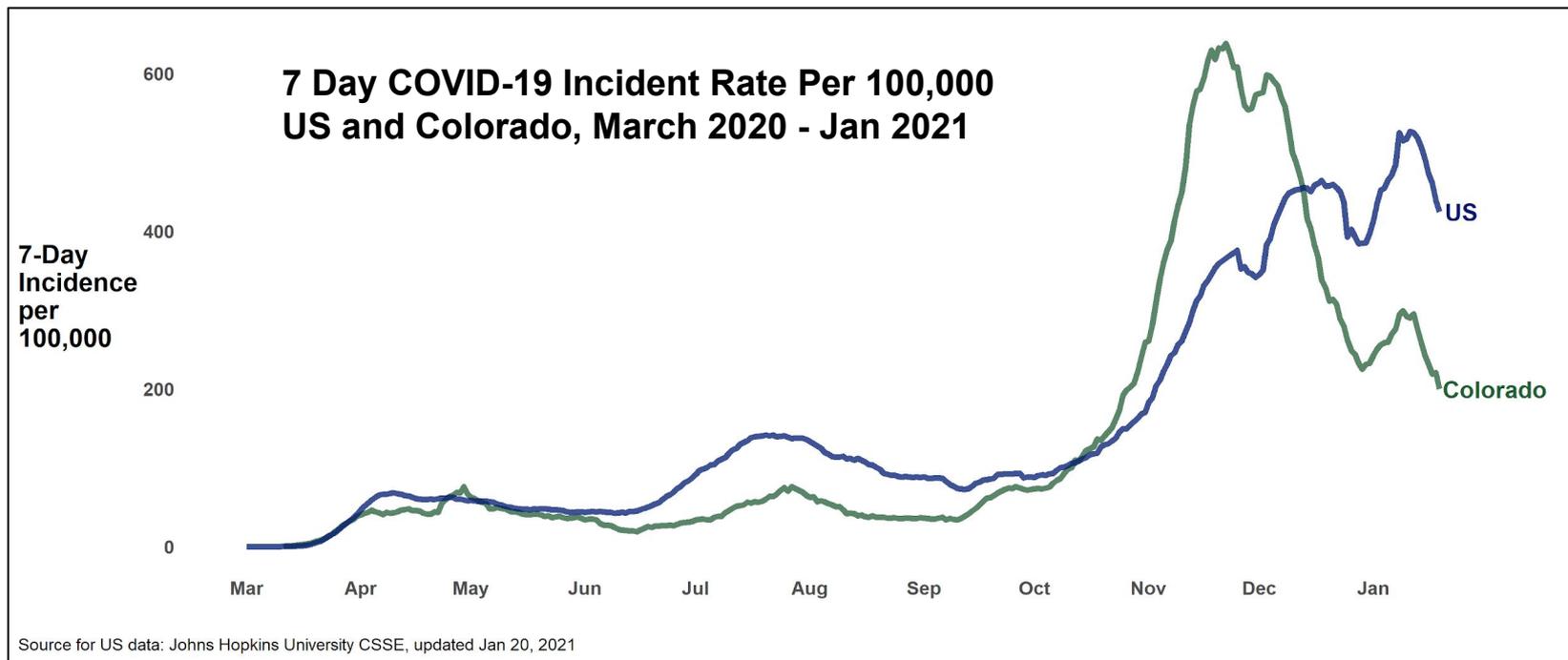
1



**COLORADO**  
Department of Public  
Health & Environment



# WIG: COVID-19 RESPONSE (Disease Transmission)



# WIG: COVID-19 RESPONSE (Vaccinations)



WIG: Vaccinate 70% of Colorado's population ages 18 and older by September 2021.

*Successful completion of this goal will result in herd immunity for COVID-19 in Colorado.*

## Colorado Vaccination Dashboard:1/22/21

### Colorado COVID-19 Vaccination Data

Data as of: 11:59:59 PM 1/22/2021

Data is updated daily by about 4 p.m. and includes data reported through the previous day. All data, for days past and present, is recalculated daily from the Colorado Immunization Information System. Vaccine administration data often has a reporting lag, and counts may not reflect all doses administered on a given day.



**COLORADO**  
Department of Public  
Health & Environment

Colorado is in Phase 1A & 1B	545 Total Vaccine Providers	364,819 People Immunized with One Dose	80,181 People Immunized with Two Doses	445,251 Cumulative Doses Administered
---------------------------------	--------------------------------	--	--	---

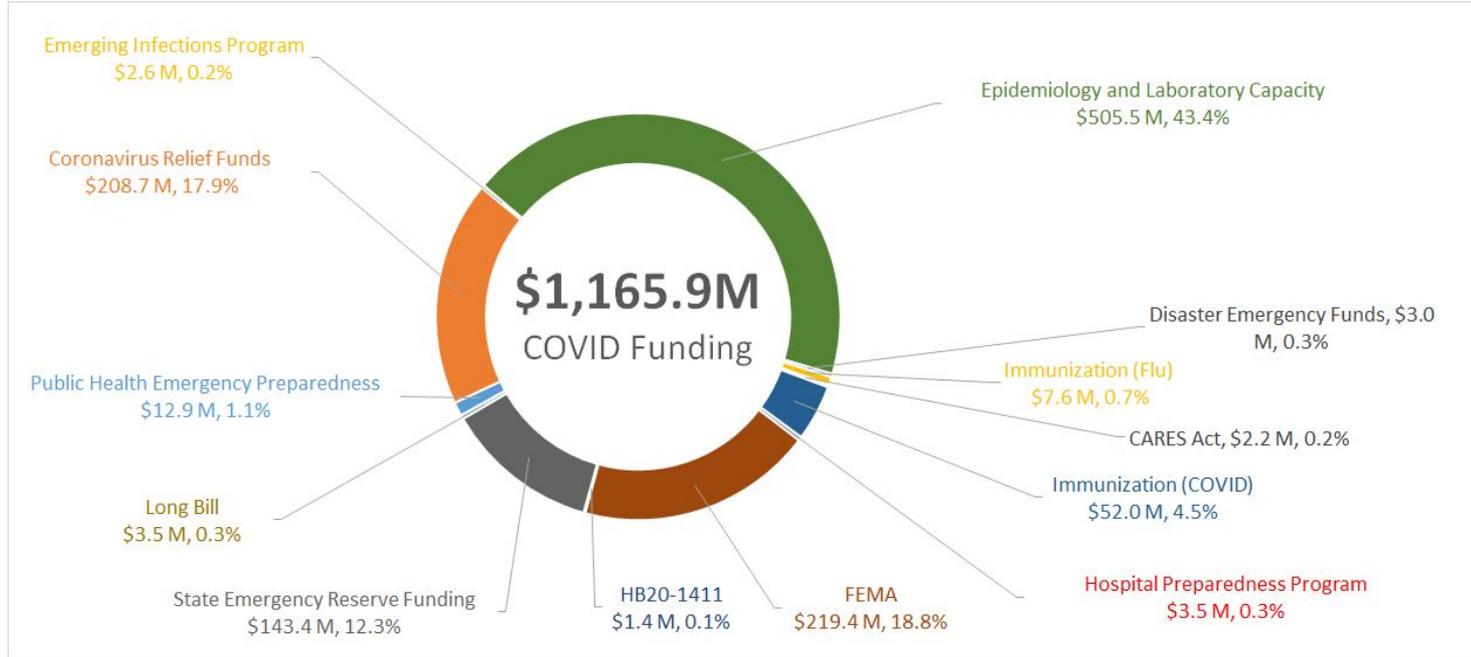


**COLORADO**  
Department of Public  
Health & Environment

Accessed from <https://covid19.colorado.gov/vaccine>



# CDPHE COVID-19 Funding

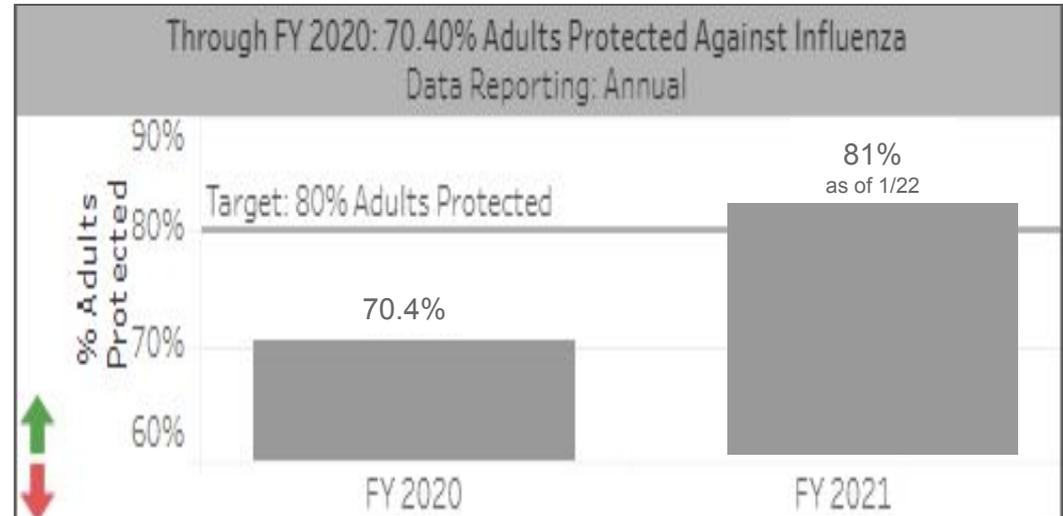


# WIG: ADULT FLU IMMUNIZATIONS



WIG: Increase the percentage of **adults aged 65 years and older protected against influenza through vaccination** from 70.4% to 80% by June 30, 2021 and increase to 82% by June 30, 2024.

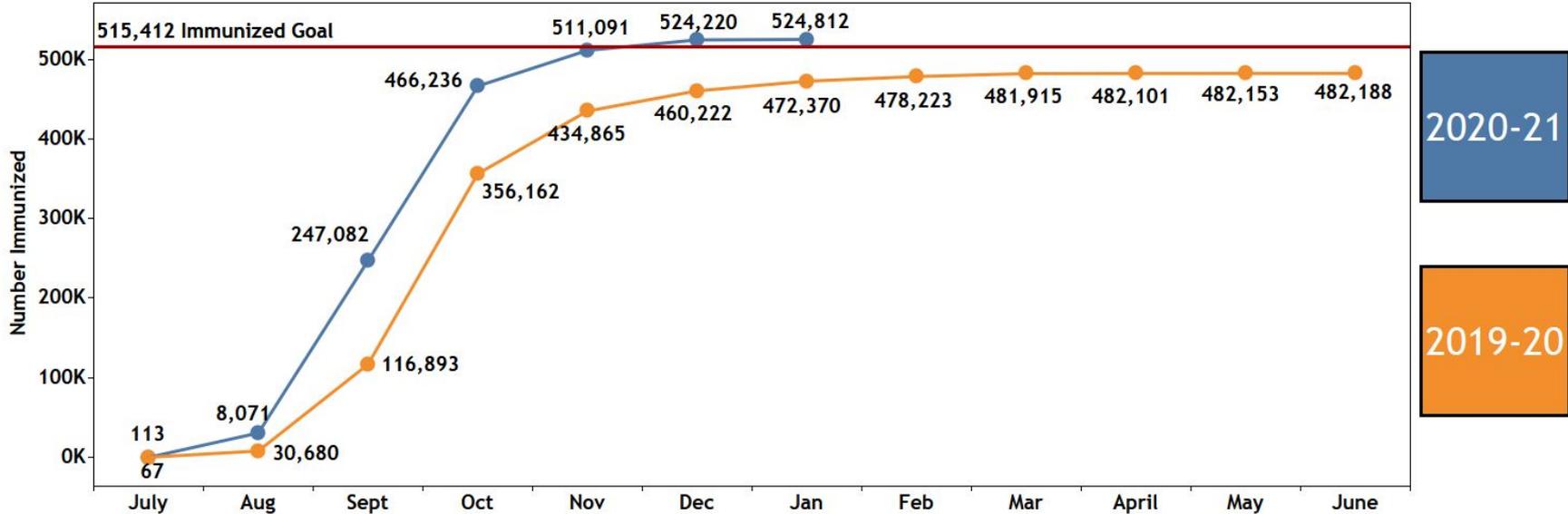
*Successful completion of this goal will help protect hospital capacity during the COVID pandemic.*



# WIG: INCREASE ADULT FLU IMMUNIZATIONS



### Number of Coloradans Aged 65+ Receiving an Influenza Vaccine



# WIG: INCREASE ADULT FLU IMMUNIZATIONS



## 2020 Achievements:

--CDPHE implemented centralized vaccination recall for MMR (kindergartners) and flu (adults 65 and older) using data from the Colorado Immunization Information System (CIIS). For Flu: 594,009 adults 65+ were included in the reminder/recall and received messages; 111,976 or 18.9% have since become up-to-date and another 14,890 opted out of receiving additional R/R messages.

--CDPHE distributed \$2.5 million in funds to local public health agencies to support the implementation of local, evidence-based strategies that increase flu coverage rates.

---CDPHE has implemented a Vaccine Support Team to travel and provide vaccination services in non-traditional settings, including long-term care facilities, homeless shelters, and correctional facilities.

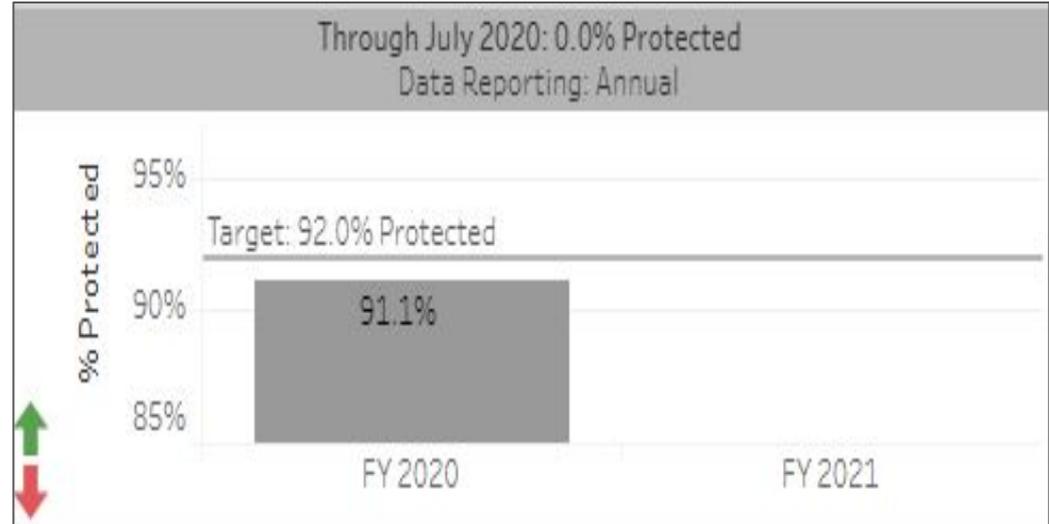


# WIG: CHILDHOOD MMR IMMUNIZATIONS



WIG: Increase the percentage of **kindergartners protected against measles, mumps and rubella (MMR)** from 91.1% to 92% (620 more kids) by June 30, 2021 and increase to 95% by June 30, 2024.

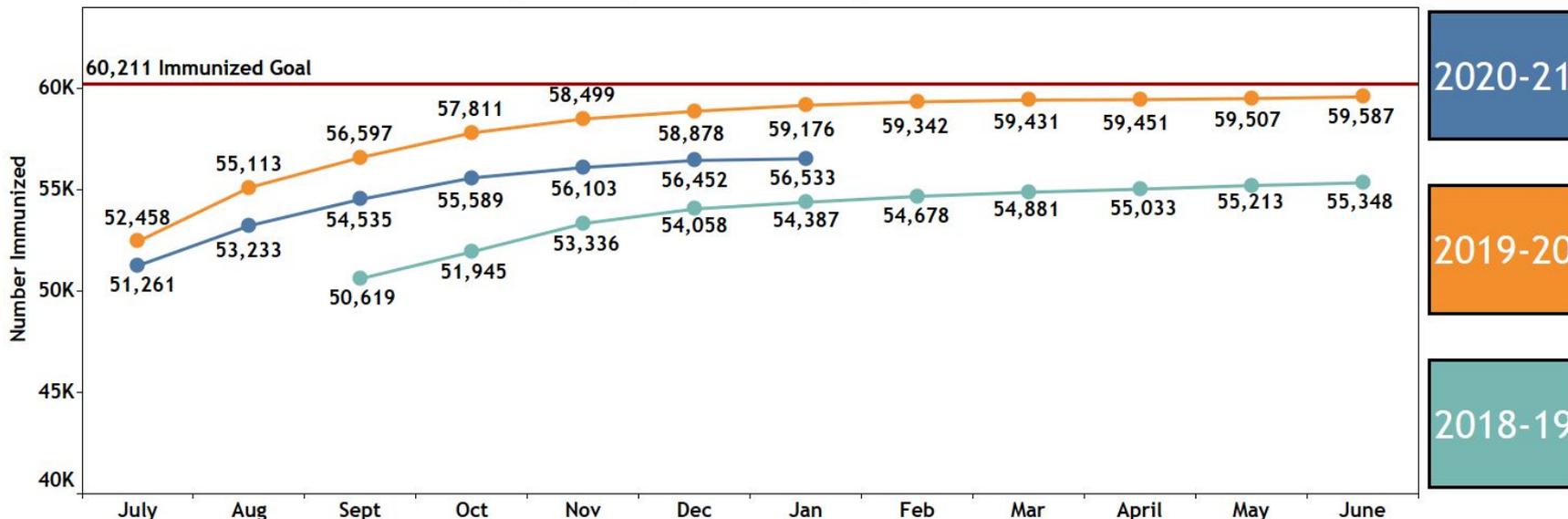
*Successful completion of this goal will increase the percent of kindergartners protected against measles, mumps and rubella.*



# WIG: CHILDHOOD MMR IMMUNIZATION



Number of Kindergarten-aged Students Fully Immunized for MMR

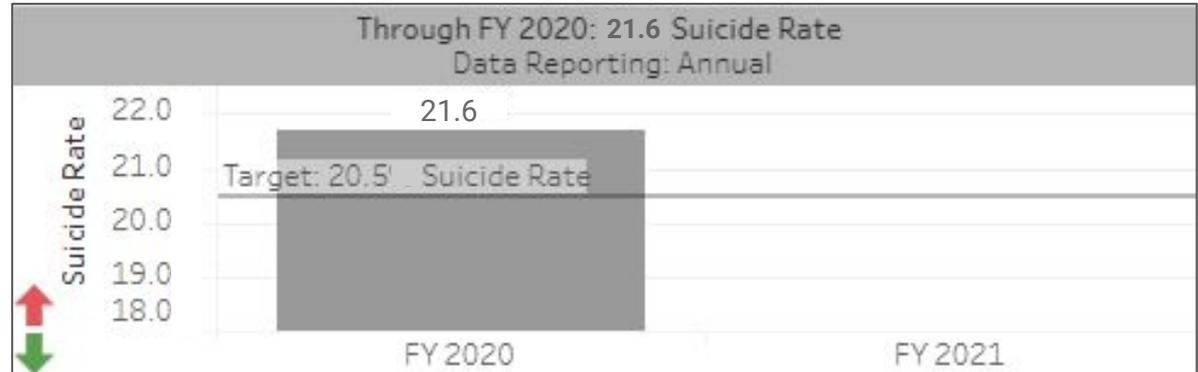


# WIG: SUICIDE PREVENTION



WIG: **Reduce Colorado's suicide rate** from 21.6 per 100,000 people in 2018 to 20.5 (a 5% decrease) by June 30, 2021 and 18.36 (a 15% decrease) by June 30, 2024.

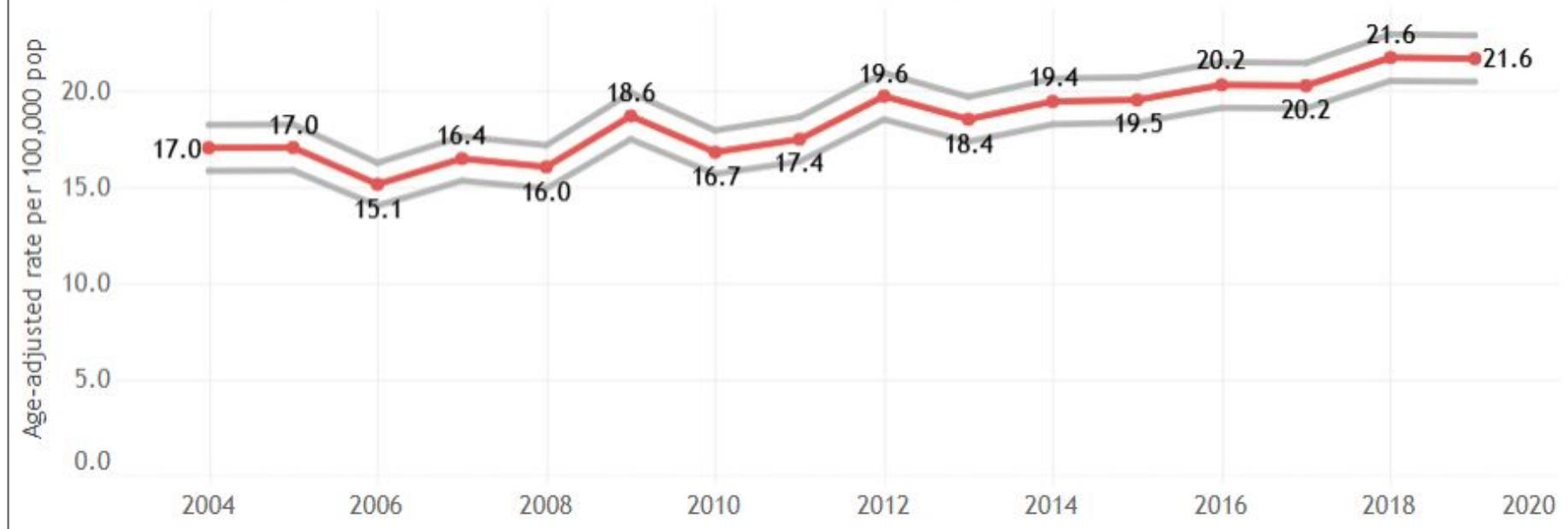
*Successful completion of this goal will lead to fewer suicide deaths in Colorado.*



# WIG: SUICIDE RATE TRENDS



Age-adjusted rate of suicide per 100,000 population per year, 2004 to 2019

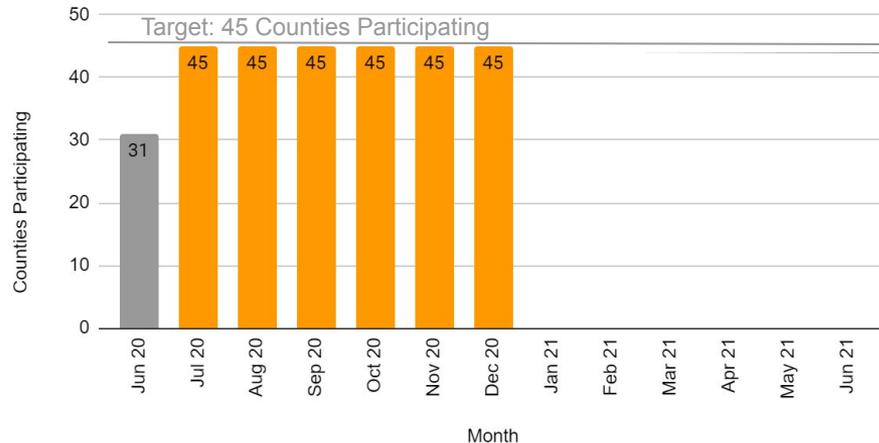




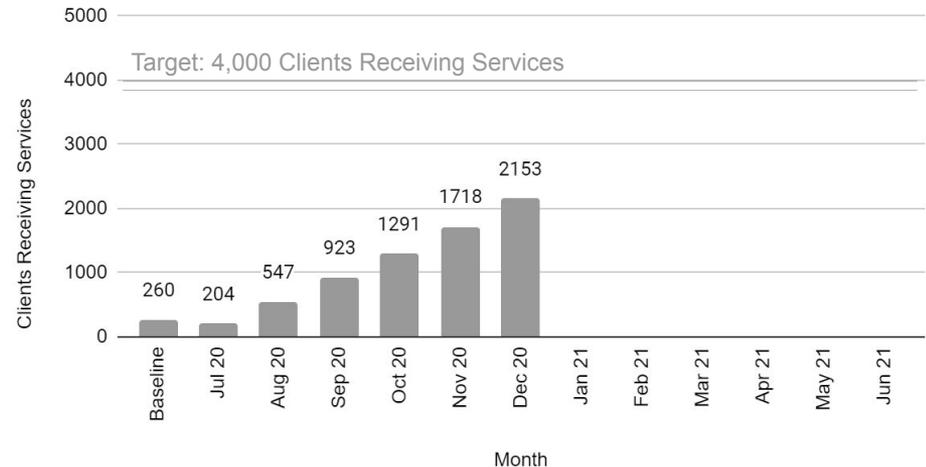
# WIG: SUICIDE RATE TRENDS

Reduce Colorado's suicide rate from 21.6 per 100,000 people in 2018 to 20.5 (a 5% decrease) by June 30, 2021 and 18.36 (a 15% decrease) by June 30, 2024.

Increase the number of counties participating in the Gun Shop Project from 31 to 45



Increase the number of clients receiving follow-up services after discharge from an emergency department per year from 260 to 4000



**COLORADO**  
Department of Public  
Health & Environment

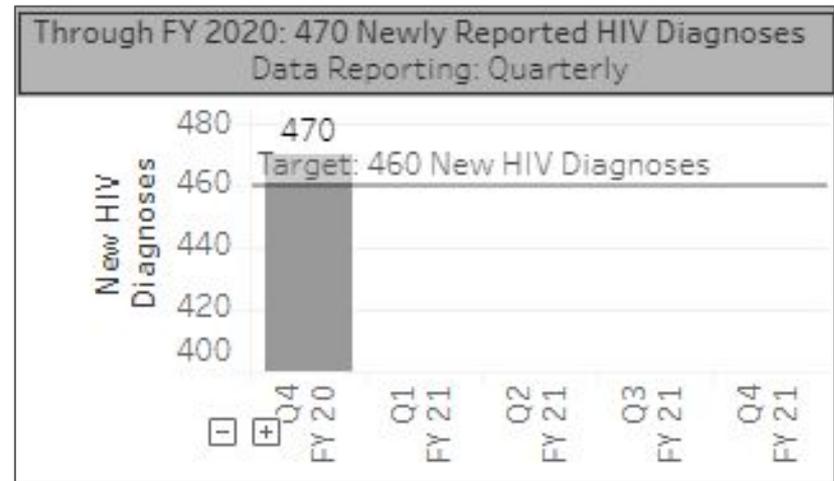
Accessed from <https://dashboard.colorado.gov/departments>

# WIG: PREVENT HIV TRANSMISSION

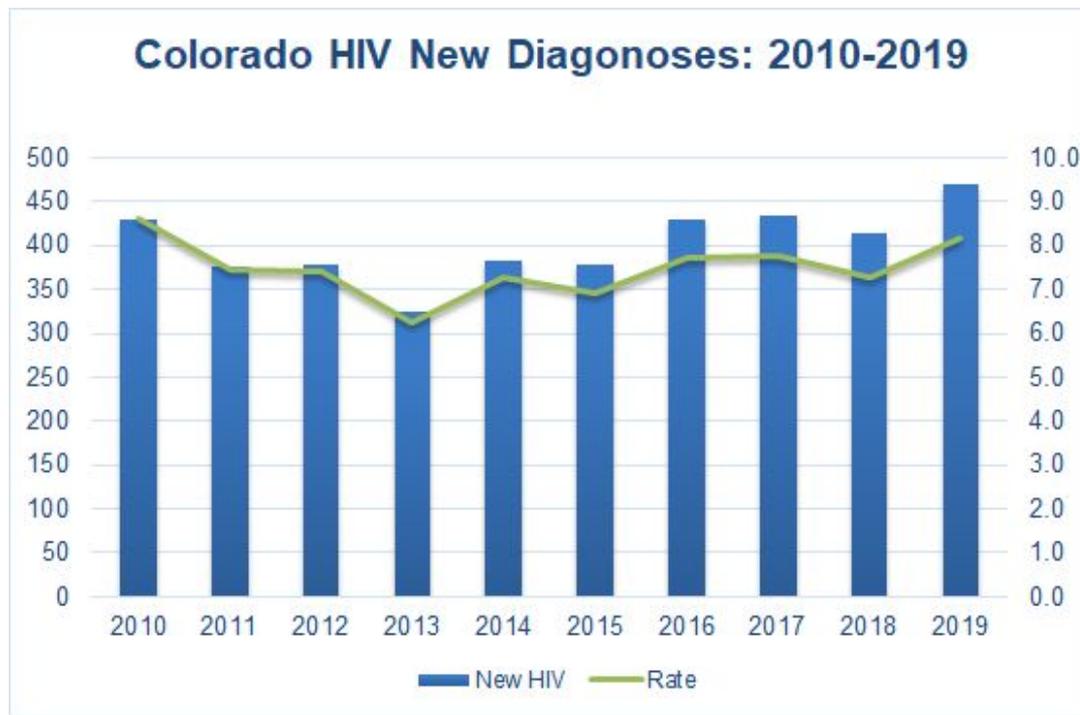


WIG: **Decrease the number of annual newly reported HIV diagnoses** from 470 to 460 (2% reduction) by June 30, 2021 and to 423 (10% reduction) by June 30, 2024.

*Successful completion of this goal will decrease the number of newly reported HIV diagnoses in Colorado.*



# WIG: PREVENT HIV TRANSMISSION

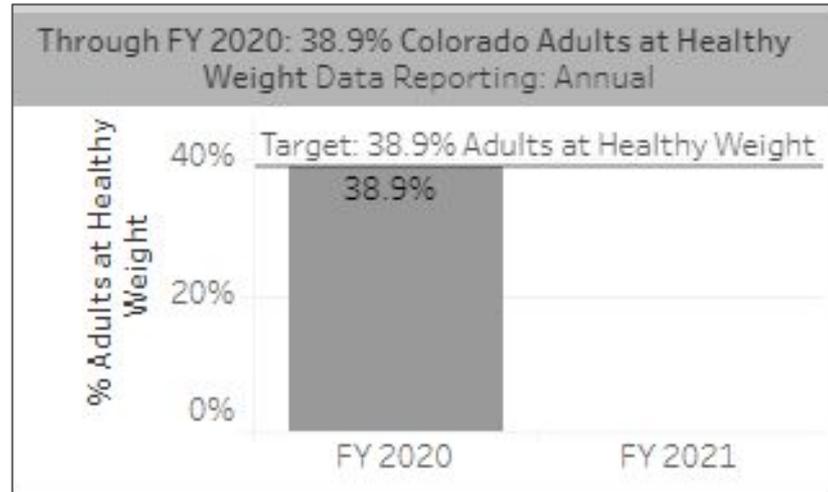


# WIG: HEALTHY EATING & ACTIVE LIVING FOR ADULTS



WIG: Maintain the prevalence of **Colorado adults at a healthy weight** at 38.9% by June 30, 2021 and increase the prevalence to 40% by June 30, 2024.

*Successful completion of this goal will increase the percentage of adults that are at a healthy weight.*

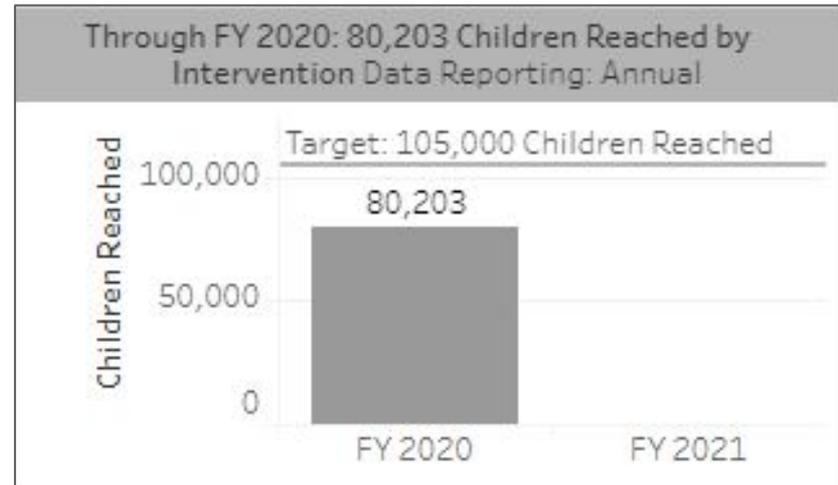


# WIG: HEALTHY EATING & ACTIVE LIVING FOR CHILDREN



WIG: Increase the number of **Colorado children, under age 10 years, who are reached by obesity control interventions** from 80,203 to 105,000 by June 30, 2021 and to 149,000 by June 30, 2024.

*Successful completion of this goal will increase the number of children that are reached by obesity control interventions.*



# WIG: Equity, Diversity, and Inclusion



In accordance with the Governor's Executive Order [2020 175](#), the Department has prepared a plan to improve equity, diversity, and inclusion, including efforts to:

- Hiring an Equity, Diversity, and Inclusion (EDI) Officer who will report directly to the Executive Director
- Developing the department EDI strategic plan with an extensive stakeholder engagement process
- Expanding of the Office of Health Equity (OHE) to increase capacity building around equity, social determinants of health, and cultural competency
- Declaring racism a public health crisis and incorporating anti-racist goals into the statewide Public Health Improvement Plan (PHIP)



# WIG: Enable Remote Work



In response to COVID-19, CDPHE implemented the Continuity of Operations Plan (COOP) which has:

- Ensured that all essential functions continued to function during the pandemic.
- Implemented new protocols to keep staff and our customers safe.
- Supported flexible work arrangements for staff that are able to work remotely (currently 70% of employees are working remotely).
- Conducted a space study (per the Reimagined State Government initiative) to plan for the 'new normal' which will continue with flexible work arrangements for many staff.
- Have provided resources, toolkits, training and support for supervisors and staff related to flexible work arrangements.

# More information

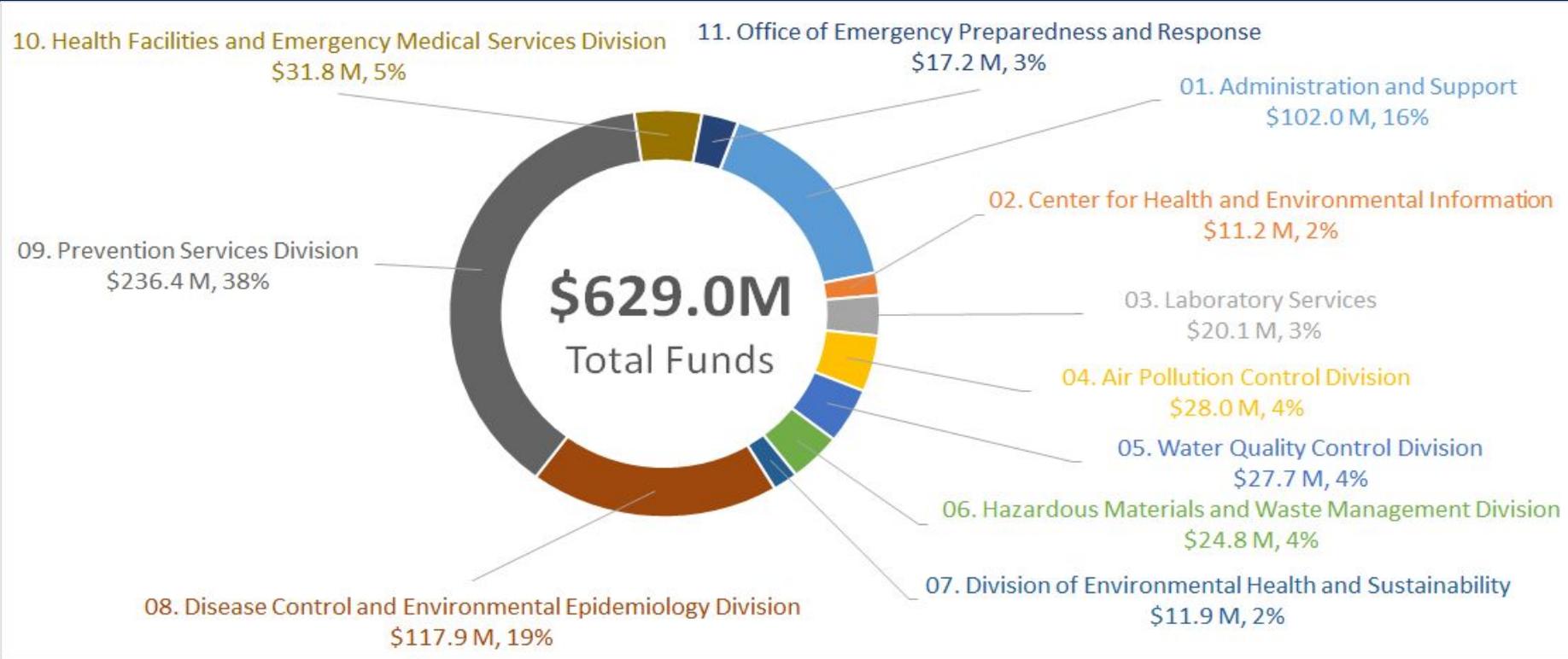
To view monthly updates on Wildly Important Goals and corresponding lead measures, please visit the [Governor's Dashboard](#).

For more information on additional CDPHE goals, view our FY 2020-21 Performance Plan at: [operations.colorado.gov/performance-management/department-performance-plans](https://operations.colorado.gov/performance-management/department-performance-plans)

Department's Strategic Plan Dashboard:  
<https://cdphe.colorado.gov/about-cdphe/strategic-plan>

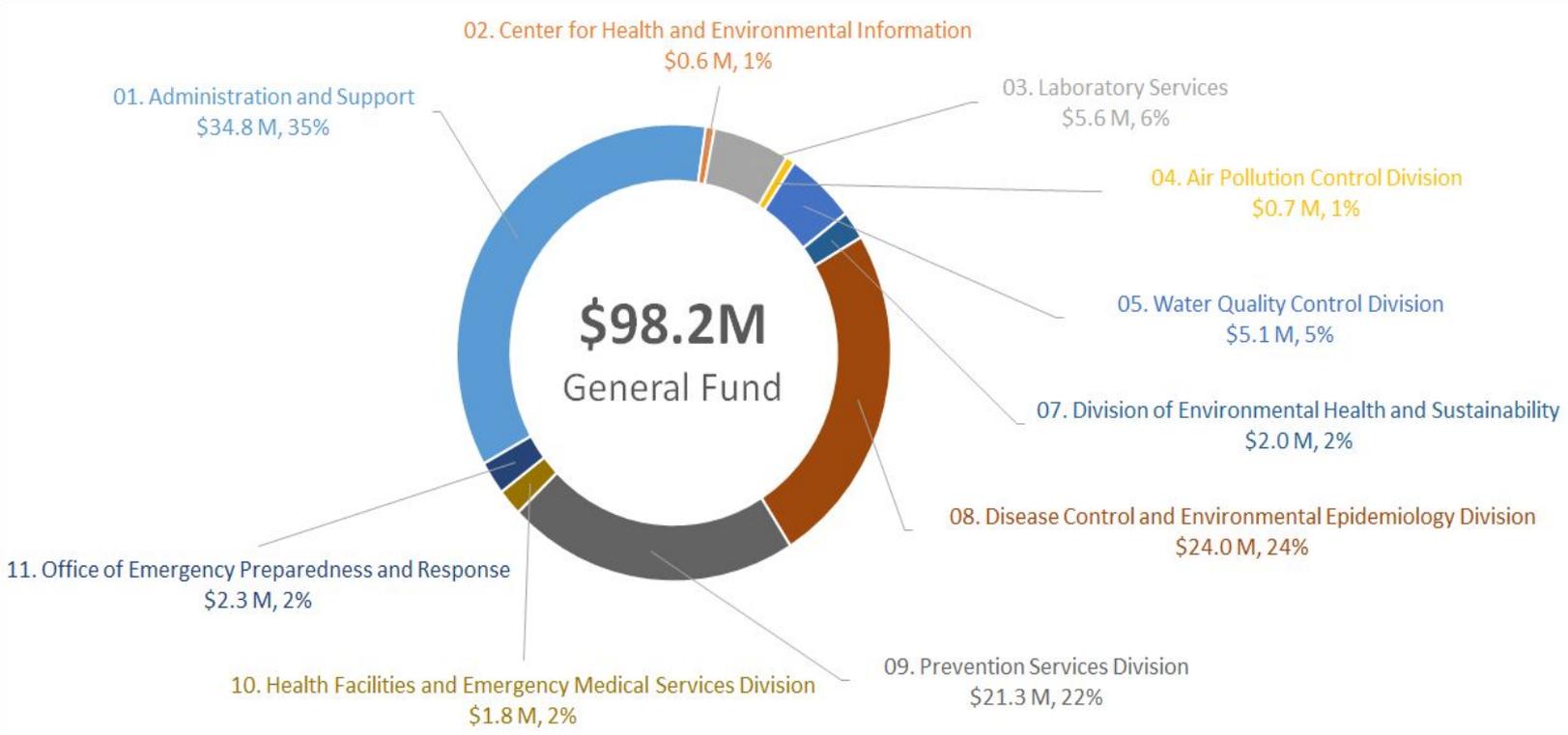
# CDPHE FY 2021-22 Budget Request

## FY 2021-22 Budget Snapshot



# CDPHE FY 2021-22 Budget Request

## FY 2021-22 Budget Snapshot



# CDPHE Select FY 2021-22 Budget Requests

CDPHE's FY 2021-22 Budget Request includes the following:

- R-01 Long Bill Reorganization
- R-02 Opiate Antagonist Bulk Purchase Fund True-Up
- R-03 EMS and Trauma Provider Spending Authority True-Up
- R-04 Align Remediation Program Personal Services
- R-05 Discontinue Underutilized Waste Tire End User Program
- R-06 Ryan White STI HIV AIDS True-up with Tobacco Revenue
- R-07 Administration and Support Division Efficiencies
- R-08 Redirect Marijuana Health Effects Monitoring Funding
- R-09 Partial Reduction to Hotline Contractor
- R-10 Extend JBC Reduction to Marijuana Education Campaign
- CC IT-01 Integrated Reportable Disease Data Management System
- S CC-01 Newborn Screening Laboratory, Mass Spec Room
- BA -01 Increasing Equity in Health Outcomes
- BA-02 Public Health Infrastructure Budget Amendment



# Legislative Agenda

The Department respectfully requests the General Assembly consider legislation on the following:

- **Legislative Approval for Advance Payment**

Makes it easier for community-based organizations to work with CDPHE by offering a percentage of funds up-front (up to 25%). Many of these organizations are best positioned to make an impact in their communities, but contracting requirements make it difficult. By removing barriers, we can ensure that state dollars are used more effectively in these communities.

- **Nursing Home Penalty Cash Fund**

Moves the administration of the Nursing Penalty Cash Fund from the Department of Health Care Policy and Financing to CDPHE. Lifts the restriction of \$10,000 for administration of the fund and increases the FTE available at the CDPHE to a full-time employee.

- **Eligibility to Purchase from the Opiate Antagonist Bulk Purchase Fund**

Fully realizes the goals of the bulk purchase fund by aligning entities and persons eligible for standing naloxone orders with entities and persons eligible to purchase from the opiate antagonist bulk purchase fund.



# Regulatory Agenda

The CDPHE Type 1 Boards and Commissions will continue their routine adjudicatory and rulemaking functions in 2021 and plan to adopt over 40 new rules and regulations to protect public health and the environment. Some rule of interest include:

**The Board of Health** will establish new laboratory certification criteria for hemp testing.

**The Air Quality Control Commission** will continue rulemaking to reduce greenhouse gas pollution, reduce ozone precursors (such as nitrogen oxides and volatile organic compounds), establish a third party energy audit program, and reduce emissions that contribute to regional haze.

**The Solid and Hazardous Waste Commission** will create rules for using firefighting foams containing PFAS.

**The Water Quality Control Commission** will establish rules incorporating increased civil penalty amounts.

For more information, please read our [Regulatory Summary](#).



**COLORADO**  
Department of Public  
Health & Environment



# Required Reports

Colorado Health Service Corps Loan Repayment Program [2019 Legislative Report](#)

Office of Suicide Prevention [2019-2020 Legislative Report](#)

Colorado Plan (page 21)

Commission Recommendations (page 22)

# In Conclusion

Thank you for entrusting us with these dollars and statutes . . .

At CDPHE, we are passionate about making a meaningful impact!