SUPPLEMENTAL BUDGET REQUESTS
FY 2019-20

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
(Health Divisions)

JBC WORKING DOCUMENT - SUBJECT TO CHANGE
STAFF RECOMMENDATION DOES NOT REPRESENT COMMITTEE DECISION

PREPARED BY:
ANDREW FORBES, JBC STAFF
JANUARY 15, 2020

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https://leg.colorado.gov/agencies/joint-budget-committee
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DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

DEPARTMENT OVERVIEW

The Department of Public Health and Environment consists of eleven divisions. This document covers the administration and health divisions, which includes the following:

1 Administration and Support
   a. Provides department-wide administrative services
   b. Houses the Health Disparities Program, which provides grants for health initiatives aimed at reducing and eliminating disparities currently existing in the provision of health services across the state
   c. Houses the Office of Planning and Partnerships which oversees the distribution of state funds to local public health agencies

2 Center for Health and Environmental Information
   a. Maintains a database of all Colorado births, deaths, marriages, and divorces
   b. Provides birth and death certificates
   c. Gathers and analyzes health data for use by public and private agencies
   d. Operates the Medical Marijuana Registry

8 Disease Control and Environmental Epidemiology Division
   a. Responsible for identifying, containing, controlling, and tracking the spread of communicable diseases, with a focus on: hepatitis, tuberculosis, sexually transmitted infections, and HIV/AIDS
   b. Operates the Immunization Program which includes the Immunization Outreach Program, the Colorado Immunization Information System, and grants to local public health agencies for operation of immunization clinics
   c. Assesses the threat risk from environmental contaminants on human health, and when needed, takes action to contain and/or nullify these threats

9 Prevention Services Division
   a. Administers the Tobacco Education, Prevention, and Cessation Program and the Cancer, Cardiovascular Disease, and Chronic Pulmonary Disease Prevention, Early Detection, and Treatment Program
   b. Operates the Breast and Cervical Cancer Screening Program
   c. Operates programs for children with special needs and the Genetics Counseling Program
   d. Administers the School-Based Health Centers Program
   e. Administers injury and suicide prevention programs
f. Operates the Primary Care Office and Oral Health Program

g. Administers the following two federal food assistance programs:
   i. Women, Infants, and Children Program, and
   ii. Child and Adult Care Food Program.

10 Health Facilities and Emergency Medical Services Division
   a. Enforces through certification and inspections the standards for the operation of health care facilities, including hospitals and nursing facilities
   b. Inspects and certifies emergency medical and trauma service providers

11 Office of Emergency Preparedness and Response
   a. Works with local agencies and other state departments to ensure Colorado is prepared for, and able to respond to, a variety of natural and man-made disasters
   b. Coordinates a statewide network of laboratories, local agencies, hospitals, and other resources that can be utilized during disaster response
### SUMMARY: FY 2019-20 APPROPRIATION AND RECOMMENDATION

#### DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT: RECOMMENDED CHANGES FOR FY 2019-20

<table>
<thead>
<tr>
<th></th>
<th>Total Funds</th>
<th>General Fund</th>
<th>Cash Funds</th>
<th>Reappropriated Funds</th>
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<tr>
<td><strong>FY 2019-20 Appropriation</strong></td>
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<td>$50,786,163</td>
<td>$135,243,846</td>
<td>$48,457,724</td>
<td>$270,170,477</td>
<td>762.2</td>
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#### RECOMMENDED CHANGES

- **Current FY 2019-20 Appropriation**: $504,658,210
  - General Fund: $50,786,163
  - Cash Funds: $135,243,846
  - Reappropriated Funds: $48,457,724
  - Federal Funds: $270,170,477
  - FTE: 762.2

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<td><strong>RECOMMENDED FY 2019-20 Appropriation:</strong></td>
<td>$505,197,209</td>
<td>$51,325,162</td>
<td>$135,243,846</td>
<td>$48,457,724</td>
<td>$270,170,477</td>
<td>764.1</td>
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</tbody>
</table>

|                                | $538,999    | $538,999    | $0         | $0                   | $0            | 1.9 |
| **RECOMMENDED INCREASE/(DECREASE)** | 0.1%        | 1.1%        | 0.0%       | 0.0%                 | 0.0%          | 0.2% |

#### FY 2019-20 EXECUTIVE REQUEST

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|                                | $0          | $0          | $0         | $0                   | $0            | 0.0 |
| **Request Above/(Below) Recommendation** |            |            |            |                      |               |     |

* Table includes only Administrative and Health divisions

### REQUEST/RECOMMENDATION DESCRIPTIONS

**INTERIM SUPPLEMENTAL – ES01 HEPATITIS A OUTBREAK RESPONSE:** The request includes an increase of $587,509 General Fund in the Disease Control and Environmental Epidemiology Division – Program Costs line item for vaccinations, FTE, and travel costs. This request was submitted as an Interim Supplemental in June 2019 and approved (with minor changes) by the Joint Budget Committee. The recommendation is approval of $538,999 General Fund.
DEPARTMENT REQUEST: The Department requested a one-time appropriation of $587,509 General Fund in FY 2019-20 to mitigate a Hepatitis A outbreak.

COMMITTEE ACTION: In June of 2019 the Joint Budget Committee approved an interim supplemental request from the Department of Public Health and Environment in response to an outbreak of the Hepatitis A virus. The approval was for $538,999 from the General Fund, and 1.9 FTE to be allocated to the Disease Control and Environmental Epidemiology Division and to be broken out in the following ways:

- $408,731 for the purchase of vaccinations (14,453 doses at $28.28 per dose);
- $101,246 for 1.5 FTE experienced nurses to assist LPHAs in setting up and staffing vaccination clinics;
- $22,122 for an 0.5 FTE epidemiologist to assist in vaccination clinics and data tracking, including ensuring proper entry in CIIS;
- $6,900 for operating and travel expenses.

BACKGROUND

Hepatitis A and Hepatitis A Vaccinations

Hepatitis A is a liver disease that spreads through the ingestion of the virus through contact with contaminated objects, food, or drink. Contamination is most likely in crowded areas and where there is less access to hygiene. Hepatitis A does not result in chronic infection and illness typically does not last longer than two months. In severe cases, symptoms can last up to six months, require a liver transplant, or, in less than one percent of cases, result in death. Older populations and those with other pre-existing health conditions are most likely to experience severe complications. According to the Centers for Disease Control and Prevention (CDC), an average of 40.0 percent of cases in the United States result in hospitalization.

Hepatitis A is a vaccine-preventable disease. While two doses, administered 6-12 months apart are recommended, a single does has been demonstrated to be 95 percent effective for at least 10 years. For Colorado adults active in the Colorado Immunization Information System (CIIS), 17.1 percent have received at least one dose of the vaccine and 11.6 percent have received two doses. Among patients under 19, 70.2 percent have received at least one dose and 59.7 percent have received two doses.
Outbreak and Response

The Colorado Department of Public Health and Environment’s (CDPHE) Communicable Disease and Immunization Branches are responsible for monitoring, investigating, and controlling epidemic and communicable diseases in Colorado, and working to reduce vaccine-preventable disease.

The CDC and CDPHE define an outbreak as the occurrence of more cases of a disease than is expected in a given area, or among a specific group of people, over a particular period of time. Historical disease surveillance data is used to identify these factors, and cases are examined to determine if there are common exposures or risk factors. Identifying an outbreak can vary between diseases based on severity of illness, transmission type, and where the disease is occurring. While the Communicable Disease Branch responds to over 200 disease outbreaks a year, the Department reports that there are few examples of outbreaks that last one year or longer and require a continuous public health response.

In Colorado, one to three cases of Hepatitis A are typically reported each month. From 2014 to 2018, the state has averaged 33 cases per year, and one-third to one-half of these cases were the result of exposure while traveling internationally.

In October 2018, an outbreak of Hepatitis A occurred in El Paso County among people experiencing homelessness, substance use issues, and/or incarceration in local jails. Similar outbreaks have occurred in other areas of the country, including San Diego and Utah. As of June 12, 2019, 71 outbreak-associated cases were reported in Colorado, with 82 percent occurring in El Paso County (and Fremont County accounts for 14 percent of cases). Of these 71 cases, 62 percent have required hospitalization.

January 2020 Update

As of the writing of this document $421,821 (78 percent) of the $538,999 approved dollars have been expended by the Department. The dollars have gone to hiring 1.0 FTE Epidemiologist, as well as two temporary nursing staff. The resources were used to open up standing vaccination clinics in existing areas experiencing an outbreak, and use new staff to quickly move into counties where the virus has spread.

The Hepatitis A outbreak began in Colorado in October of 2018, but acceleration in the number of cases did not occur until spring of 2019, prompting the Department’s interim supplemental request in June of 2019. Since the approval of this request the virus outbreak initially accelerated further reaching its peak in early October of 2019, as demonstrated by the graph below, before appearing to slow.
Outbreak-Associated Hepatitis A Cases in Colorado by Onset Week**
October 2018-January 2020***
Last updated: 1/6/2020 12:02:24 PM

For the Public
- Vaccination and Prevention

For Healthcare Providers
- Click to report this disease within one working day

HAV Guidance

*Epi curve reflects an updated outbreak case definition that was applied retrospectively and prospectively in December 2019.
**Excludes only vaccines administered through public health funding sources that are recorded in the Colorado Immunization Information System.
***Due to delays in reporting numbers are incomplete, especially for most recent weeks.
****Cases with missing onset dates are not displayed.
### DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Jill Ryan, Executive Director

#### 1331 Hep A Outbreak Response

(8) **DISEASE CONTROL AND ENVIRONMENTAL EPIDEMIOLOGY DIVISION**

(A) Administration, General Disease Control and Surveillance

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Total for 1331 Hep A Outbreak Response

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15-Jan-2020