CHA COVID Update:
Denver Metro Chamber of Commerce

APRIL 3, 2020
## COVID-19 is a Different Emergency

<table>
<thead>
<tr>
<th>Traditional Emergency Response</th>
<th>COVID-19 Emergency Response</th>
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<tbody>
<tr>
<td>• Emergency is localized (e.g. localized flu, natural disasters)</td>
<td>• Emergency is statewide (nationwide)</td>
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<td>• Emergency duration is time limited</td>
<td>• Emergency duration is extended</td>
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<td>• Outside of hospitals, other health care facilities are operating normally (e.g. Ambulatory Surgical Centers)</td>
<td>• Health care providers have reduced or ceased operations</td>
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Current Hospital Capacity

Hospital regions would fill 0% to 100% of their beds...

- If 20% of adults are infected over 18 months
- 40% over 18 months
- 60% over 18 months
- 20% over 6 months
- 40% over 6 months
- 60% over 6 months

Source: Harvard Global Health Institute, Hospital Bed Capacity & COVID Estimates
#Raising the Bar

Raising the Bar Two Ways:
1. Improve throughput.
2. Create new beds.
State of CO Estimates (Gov. Polis 3/27)

Effective Social Distancing
Low Transmissibility

ICU Beds
- CO Low: 5,600
- CO High: 9,400
- CO No SD: 13,800

Deaths
- CO Low: 400
- CO High: 26,000
- CO No SD: 33,200

Peak
- June: CO Low
- Late April/Early May: CO High
- April: CO No SD

Poor Social Distancing
High Transmissibility
COVID: Ticking Clock

- Projections
  - US: 200k-2.2m deaths
- CO: Where We Are (4/2)
  - Official cases: 3728
  - Official deaths: 97
  - Actual hospitalizations: 1233
    (source: EMResource)
- Interventions Matter
  - Deaths doubling every 2-4 days
  - High variability across states and countries
- Next month the most critical
CO COVID: By the Numbers

Hospitalizations (C+/?)
Cases (C+)
Deaths


0 500 1000 1500 2000 2500 3000 3500 4000

591 720 912 1086 1430 1734 2307 2627 2966 3342 3728

6 7 11 19 24 31 47 51 69 80 97 1233

Colorado Hospital Association
COVID Patients: What we know today

- Critical care patients
- Decompenstate quickly following admission
- Ventilator support – and supportive medications – required 11-20 days on average
- Multi-system organ failure is possible
- Many need supportive oxygen for days/weeks after ventilation removed
- Risk of hospitalization varies by age:
  - <29 years old: <1%
  - 30-49 years old: 3-4%
  - 50-59 years old: 8%
  - 60-69 years old: 12%
  - >70 years old: 17-18%
COVID Hospital Challenges

**STAFF**
- Existing staff: 96,000
- Extenders/new staff
- Retired/volunteers
- Keeping workforce well
  - Childcare
  - Mental health

**SUPPLIES**
- PPE = People
- Ventilators: 1,600
- Medications
- General Supplies

**SPACE**
- Licensed beds: 12,500
- ICU Beds: 1800+
- Other health facilities
- Converted hotels, etc

**SPENDING**
- Decreased revenue (elective procedures): $1.4 billion loss ($250 million rural loss)
- Increased expenses
- Market, economic, political uncertainty

Gov Request 4/2:
- 10,000 vents and meds
- 4.5m surgical masks
- 4.3m pairs of gloves
- 2m N95 masks
- 880k face shields
- 720k gowns

State EOC Goals:
- Improve hospital throughput
- 5,000 ICU beds
- 2,000 sub-acute beds
- 10,000 non-acute beds

Federal Supports:
- $100b provider funds
- 6.2% FMAP increase

Staffing plans in development
Government Activity

• Governor Polis: 19 Executive Orders since 3/11
  o Expanded Telehealth, Licensing
  o Cancellation of Elective Procedures
  o Closure of Businesses
  o Stay-at-Home Order
  o Suspending Regulatory Requirements

• State Legislature: In recess until...
  o CO Supreme Court: 120 days doesn’t need to be consecutive
  o Likely to return for ~2 months in mid-May

• US Congress: 3 COVID aid packages
  o “COVID 1.0” (3/6): $8 billion for prevention, preparation, response
  o Families First Coronavirus Support Act (3/18): unemployment, paid sick leave, SNAP, free testing, increased Medicaid funding
  o CARES Act (3/27): $2.2 trillion for direct aid for individuals, businesses, health care providers, other industry supports