



COVID-19: Impact on Cord Blood Banking Cleveland Experience

Advisory Council on Blood Stem Cell Transplantation

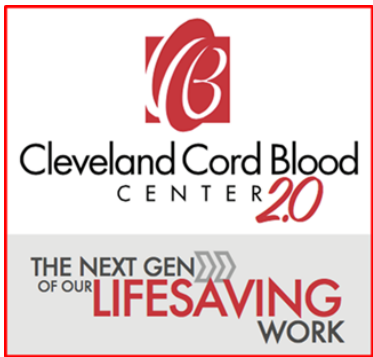
April 27, 2020

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Cleveland Cord Blood
CENTER 2.0

THE NEXT GEN
OF OUR **LIFESAVING**
WORK



- Keep CCBC employees safe.
- Continue to serve CCBC constituents with highest standards.
- Do our part to slow community spread of the coronavirus, so that the most vulnerable people are able to get the care they need.

CCBC Priorities

We are advancing umbilical cord blood cell therapy treatments: saving lives, enhancing health, and expanding knowledge one birth at a time.



What is Coronavirus (CPVID-19)?

COVID-19 is a new coronavirus that has been identified as the cause of an outbreak of respiratory illness globally.

SYMPTOMS include high fever, runny nose, shortness of breath, dry cough, body aches

TRANSMISSION the virus is spread from person to person through sneezing or coughing.

RESPIRATORY droplets containing the virus can remain on surfaces even after the ill person is no longer near.

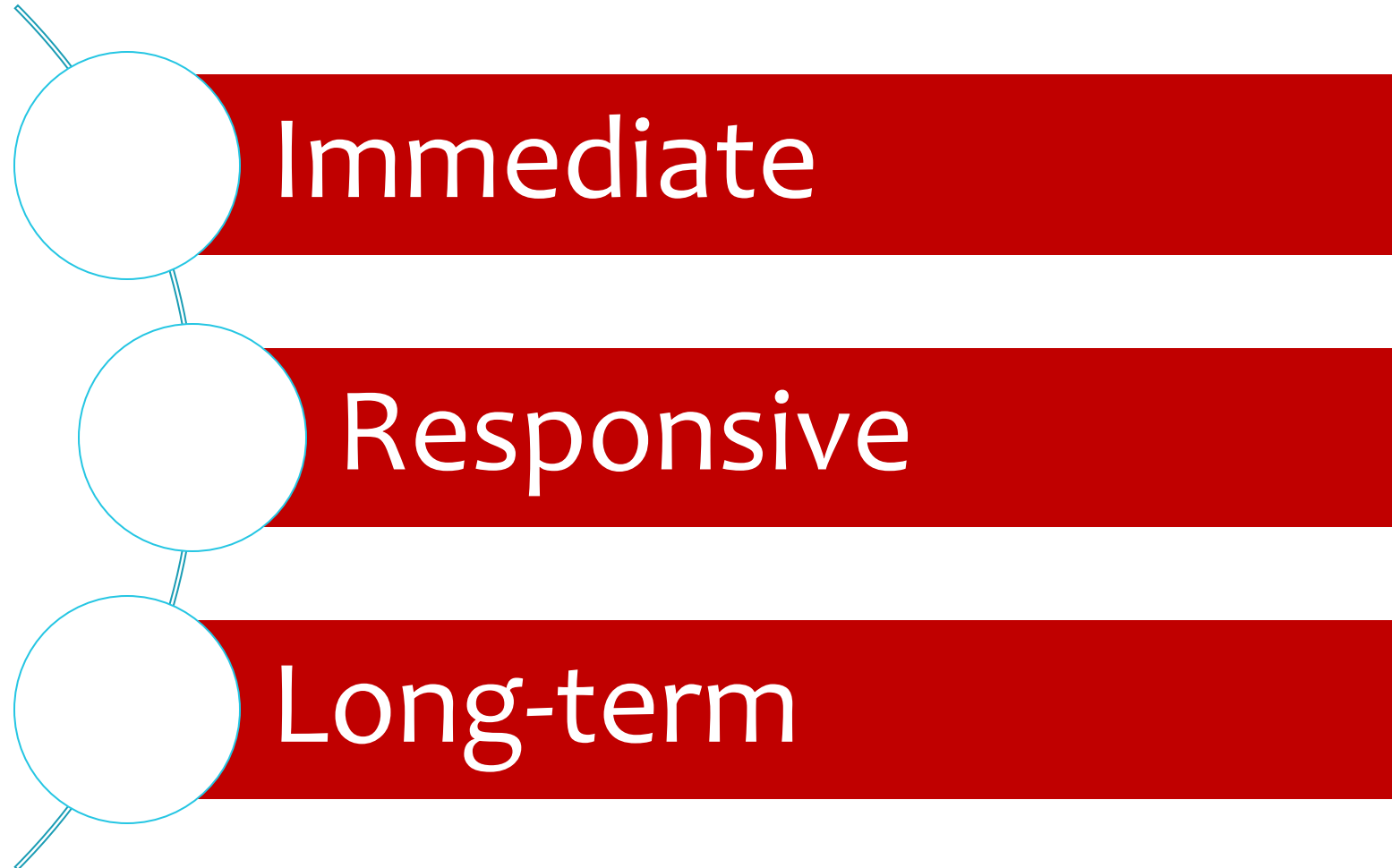
USA has 247,215 confirmed cases with 18,298 fatalities (4/20/20)

GLOBAL fatalities 174,727 (4/20/20)



CCBC's Approach to COVID-19

3 LEVELS



1st COVID-19 Death in US



29 Feb

2020



12 Mar

Public Gatherings Banned



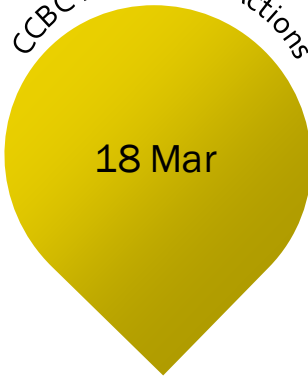
Closed SFO Col Site

14 Mar

California Shelter in Place

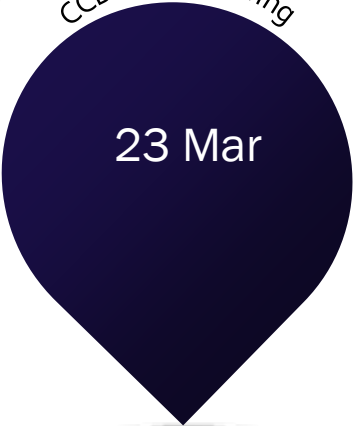
2020

CCBC Responsive Actions



18 Mar

Self-testing
Ban Travel/Visitors
Social Distancing



CCBC Min Staffing

23 Mar

5/6 Staff Onsite
Ship-CT-Process



- Monitor health and identify high-risk exposure
- Methods to contain spread of coronavirus
- Limit non-essential travel
- Limit collection site visits
- Limit non-essential visitors to CCBC
- Limit in person meetings
- Continue cord blood collections, processing, CTI or Research & Development activities
- Encourage use of telemedicine

Immediate

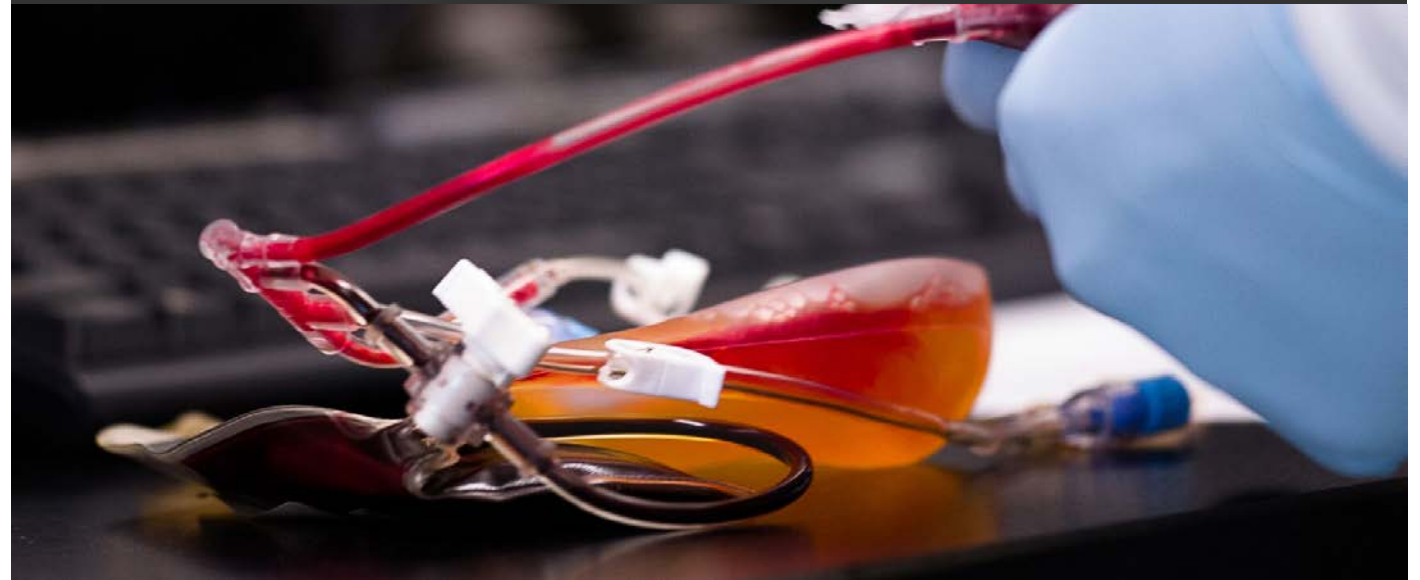
Instituted March 2nd, 2020



- All Immediate Actions PLUS
- Reinforce high risk identifiers
- Emphasize methods to contain spread of coronavirus
- Consider minimum essential staffing
- Collections continue as allowed
- Identify technology if work from home is needed
- Identify work appropriate for out of office
- Coronavirus relief package

Responsive

Instituted week of March 16th, 2020



CCBC Minimum Essential Staff



- 1 Leadership Point Person
- 1 Administrative staff
- 1 Collections staff
- 1 Q/RA staff
- 1 Processing Facility Leader
- 2 Processing Facility Technicians
- 1 CTI Technician
- 1 R&D Lab Staff

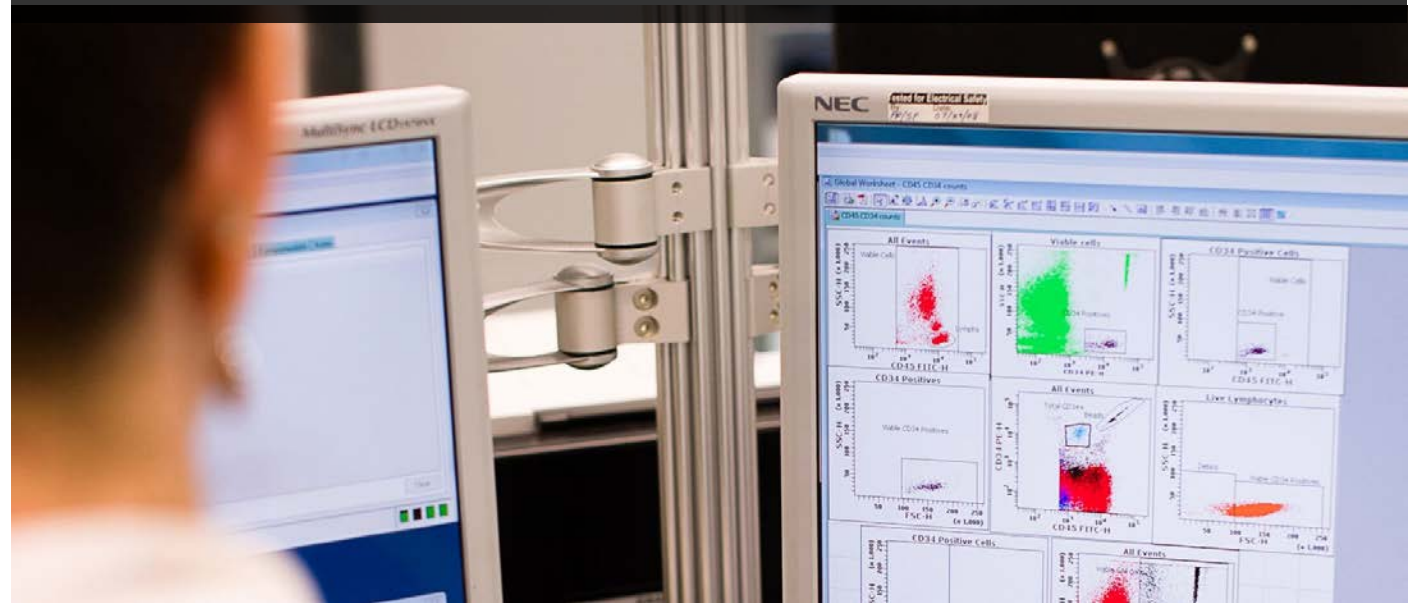
TYPICAL CCBC STAFFING IS 26 PEOPLE WORKING PER DAY



- All Immediate & Responsive Actions PLUS
- Enact Minimum Essential Staff
- Budget preparations
- Apply for Small Business relief
- Possible scenarios:
 - Collections cease
 - Shelter in place restrictions
 - Shipping impacted by airline schedules

Long-term

Instituted week of March 16th, 2020



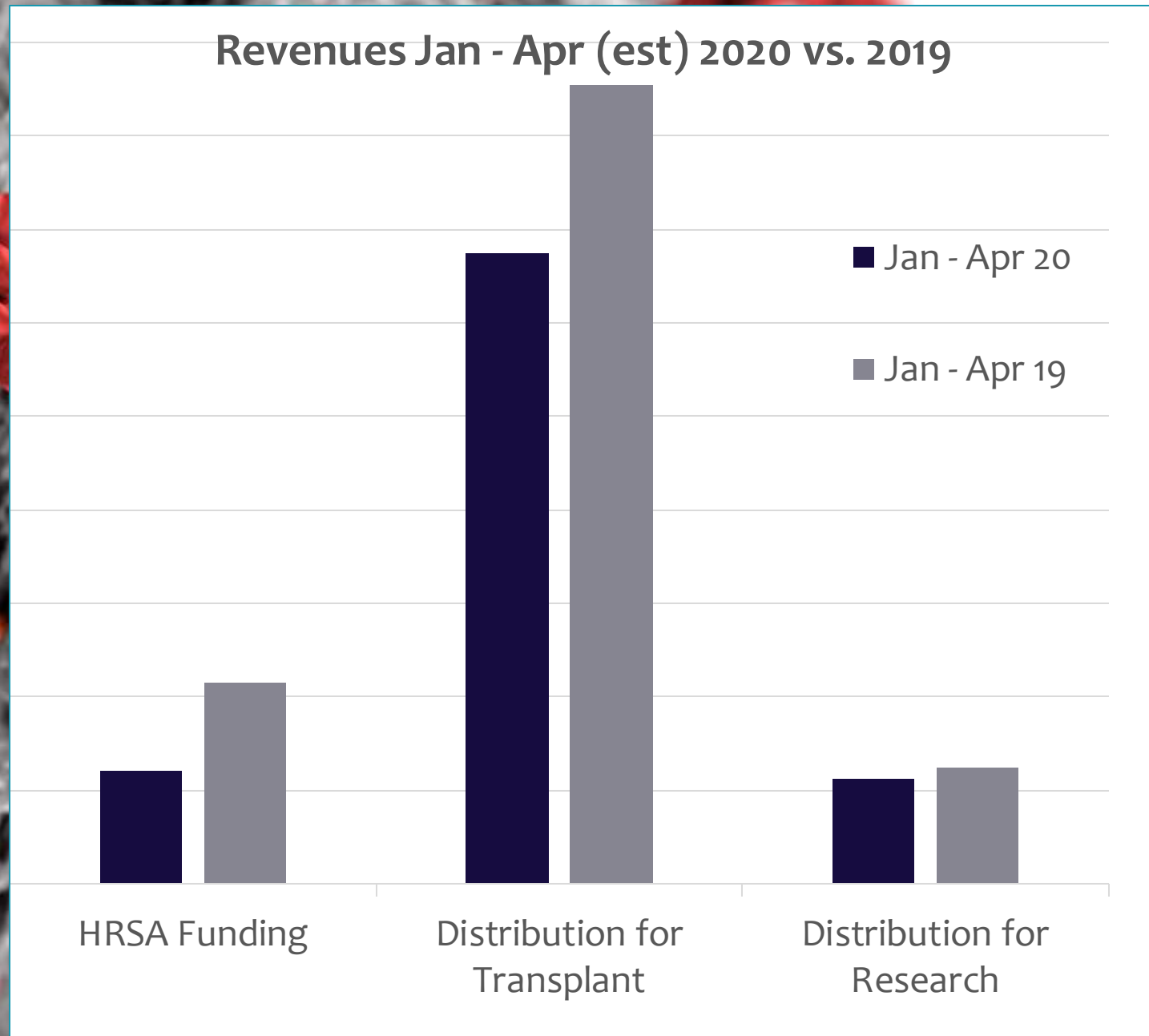
CCBC Strategies



- 1) Monitoring of CDC/FDA websites for new directives on corona virus & cord blood collections
- 2) Weekly meetings with management from each department to review any new directives/challenges
- 3) Design and monitor action plan to reduce the risk of exposure to CCBC staff
- 4) Monitor collection site directives and make appropriate changes
- 5) Review and implement feasible responses to federal and state-wide directives for on-site
- 6) Evaluate impact after the pandemic is under control

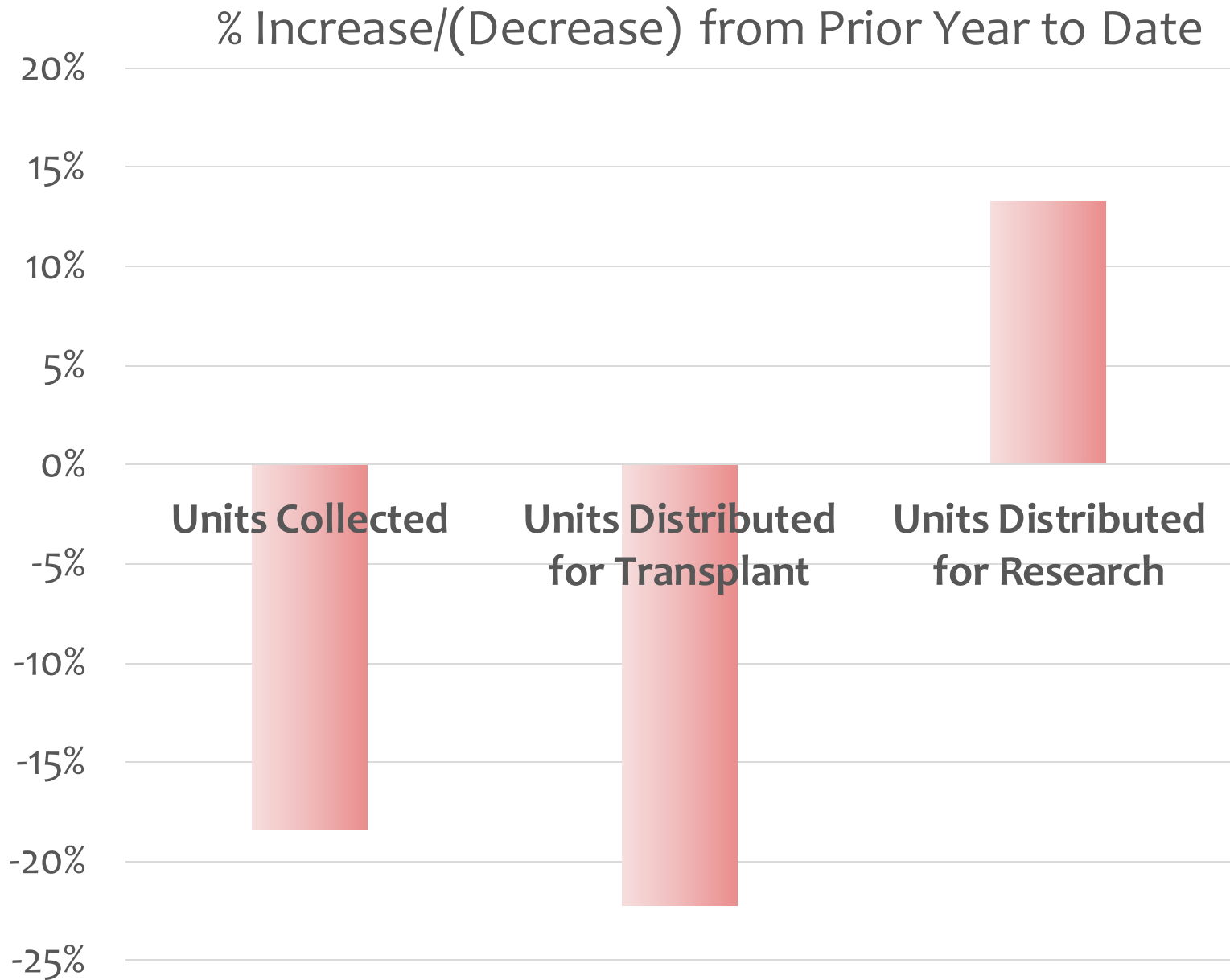
Impact of COVID-19

REVENUE



Impact of COVID-19

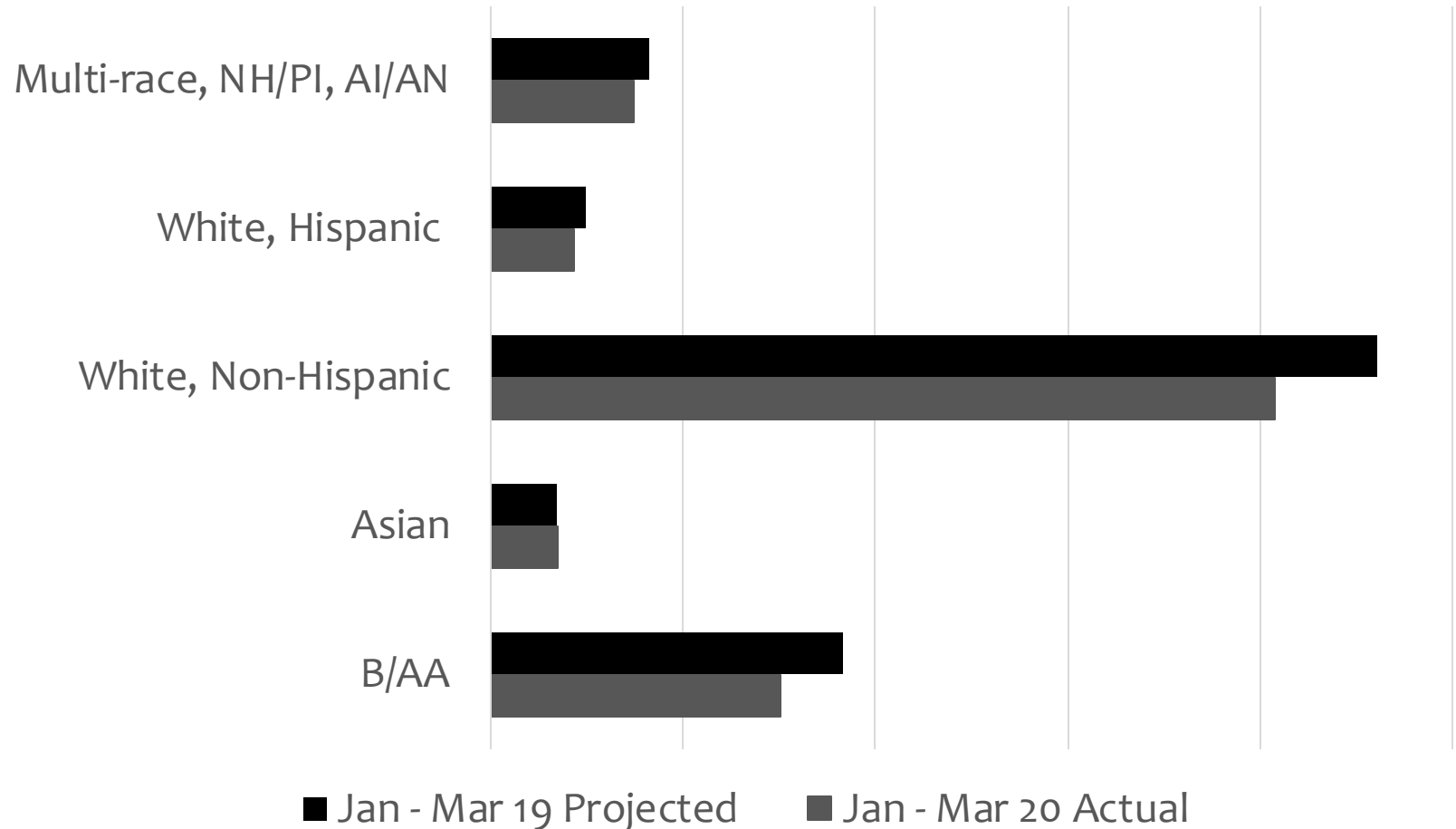
COLLECTIONS
DISTRIBUTIONS
RESEARCH



Impact of COVID-19

COLLECTIONS

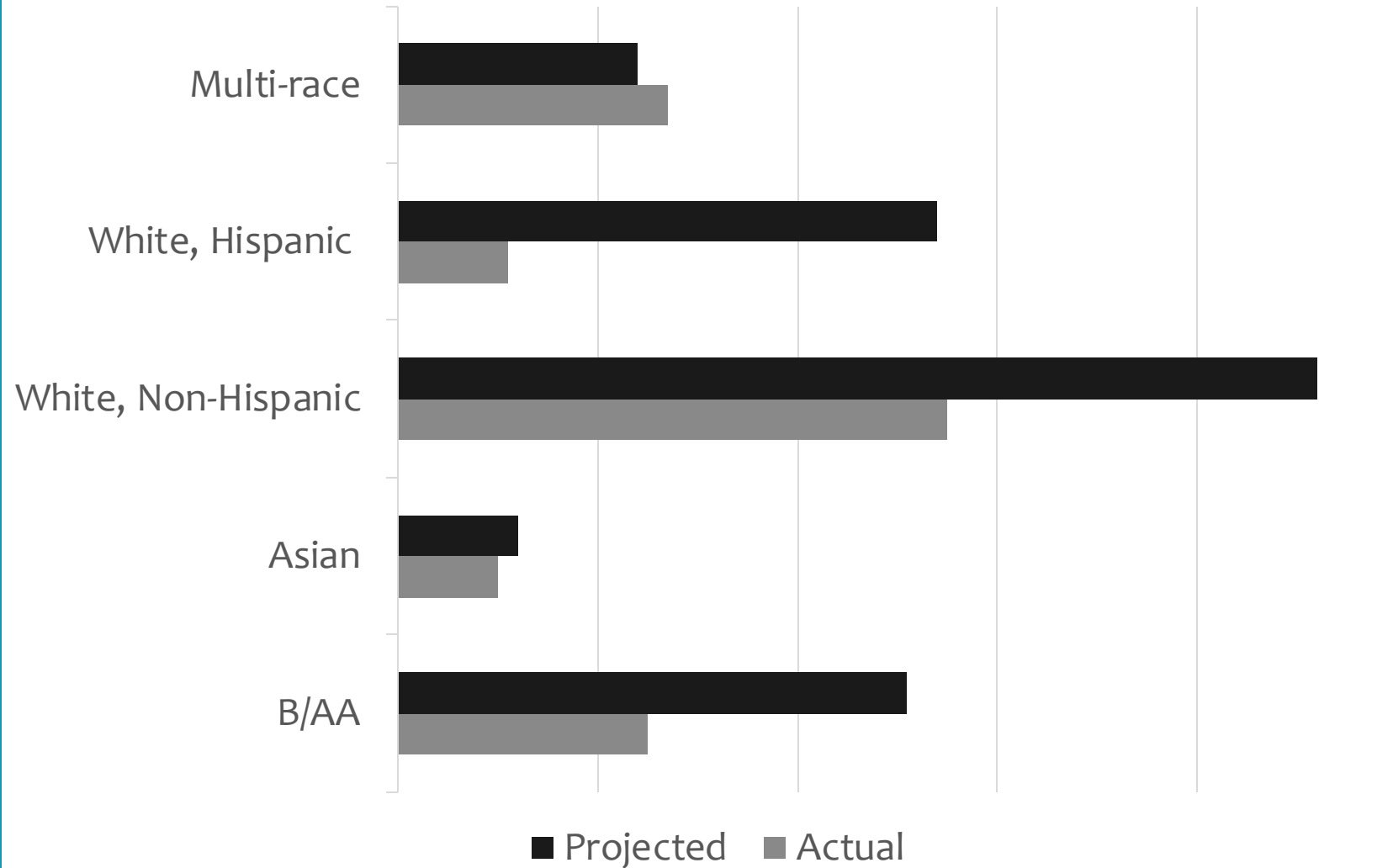
Collections Actual vs. Projected 1st Q 2020



Impact of COVID-19

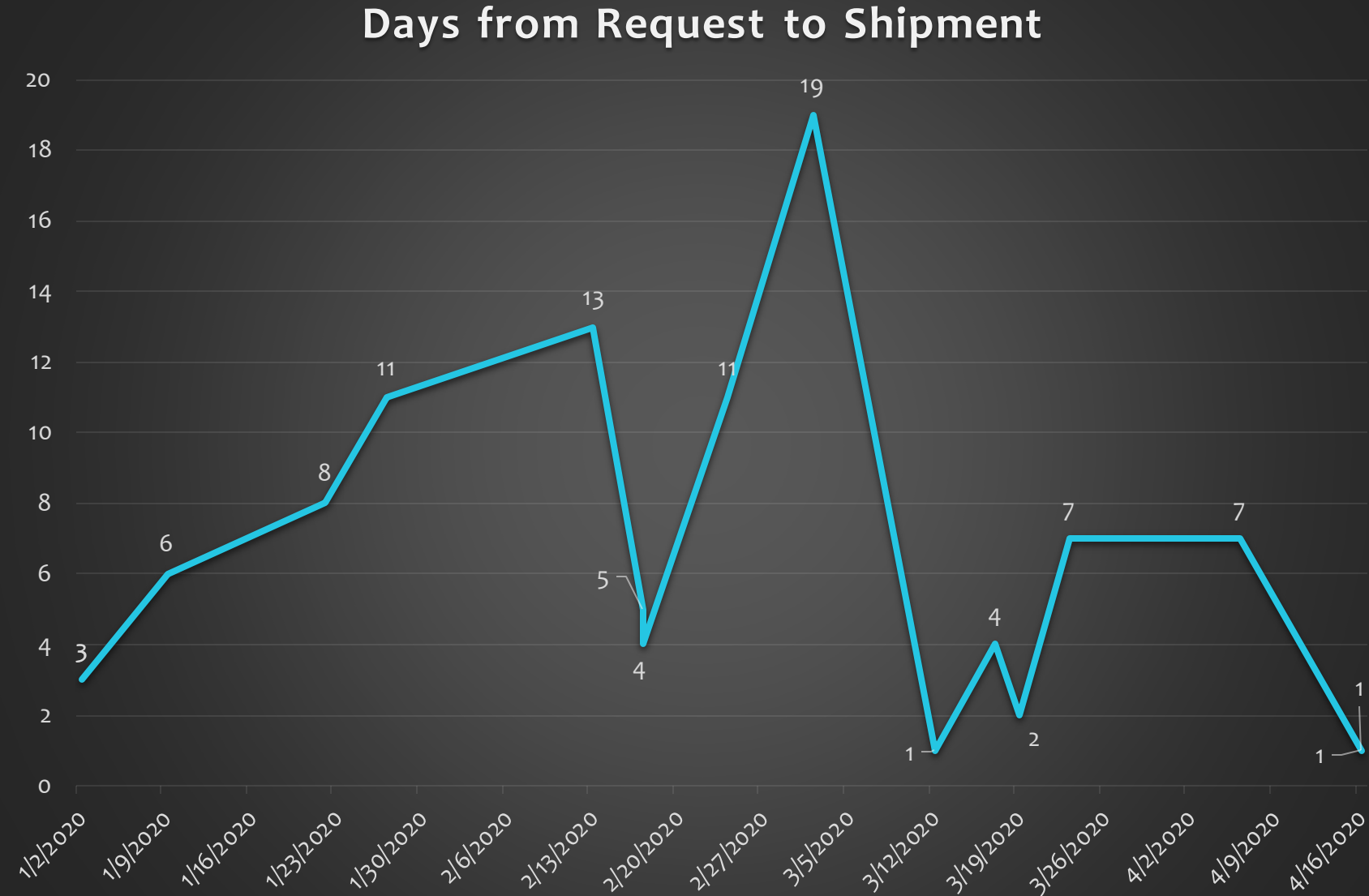
LISTING

Listed Actual vs. Projected 1st Q 2020



Impact of COVID-19

DAYS FROM REQUEST TO SHIPMENT



- Cord Blood can be shipped quickly
- Cord Blood Donations likely occurred prior to COVID-19
- Collections can continue with appropriate social distancing
- Cord Blood banks can adjust staffing & logistics to operate safely
- Major Challenge is employee safety



**Cord Blood
COVID-19**





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Questions?

