



Department of Medicine

SCHOOL OF MEDICINE

UNIVERSITY OF COLORADO

ANSCHUTZ MEDICAL CAMPUS

DOM COVID-19 TOWN HALL

- Welcome and Introduction
- Covid local landscape
- Coronavirus Testing in the Hospital and the Community

Q/A – Use the chat box to ask questions

Leadership to Address Questions

- AMC – DOM Vice Chairs, Jean Kutner, and Michelle Barron
- VAMC – Jim Beck
- Special Guests
 - Ed Ashwood, MD, Professor and Vice Chair for Clinical Pathology
 - Deborah Monaghan, MD, MSPH, Director of Local Public Health Partnerships, CDPHE

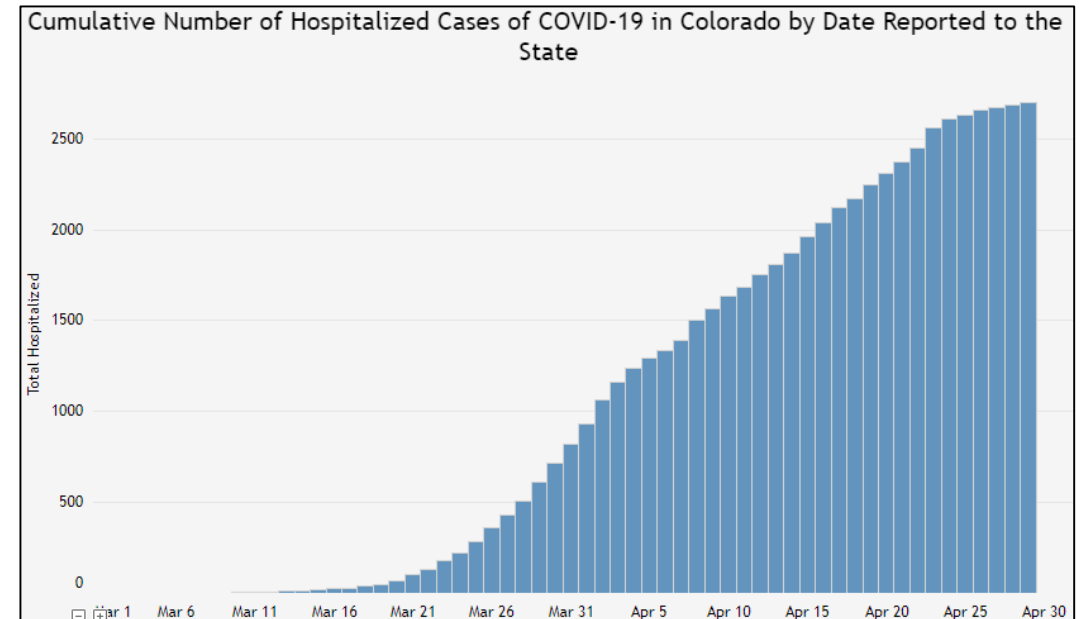
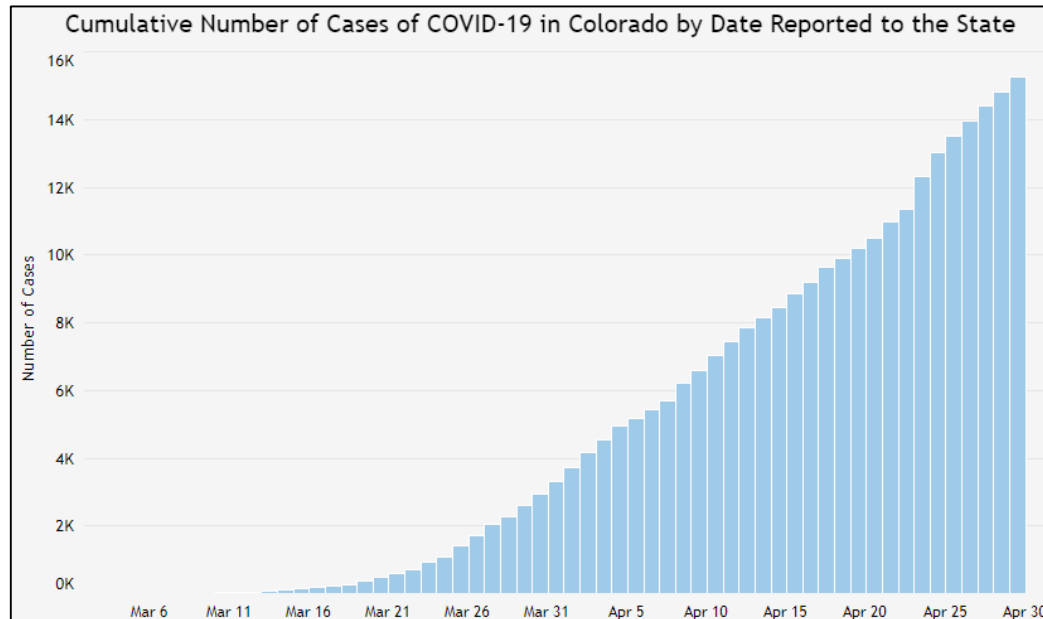
Covid Continues to be a Major Focus

- UCH and DH Covid cases stable to increasing, along with increasing non-Covid census

Date/Time	UCH-Inpatient total COVID-19+	UCH-Floor COVID-19+	UCH-ICU COVID-19+	UCH-PMR COVID-19+	VA Inpatient total COVID+	DH Inpatient total COVID+
3/27/2020	51	28	23			
3/28/2020	67	37	30			
3/29/2020	70	35	35		8	31
4/16/2020	137	81	56		14	44
4/17/2020	138	91	47		14	53
4/18/2020	134	88	46		14	55
4/19/2020	127	74	53		16	61
4/20/2020	124	67	57		16	65
4/21/2020	126	67	59		15	60
4/22/2020	131	77	54		13	61
4/23/2020	133	76	57		11	64
4/24/2020	139	77	62		11	66
4/25/2020	139	77	62		13	65
4/26/2020	135	75	60		14	62
4/27/2020	143	74	63	6	13	66
4/28/2020	147	79	58	10	10	63
4/29/2020	151	84	56	11	10	60

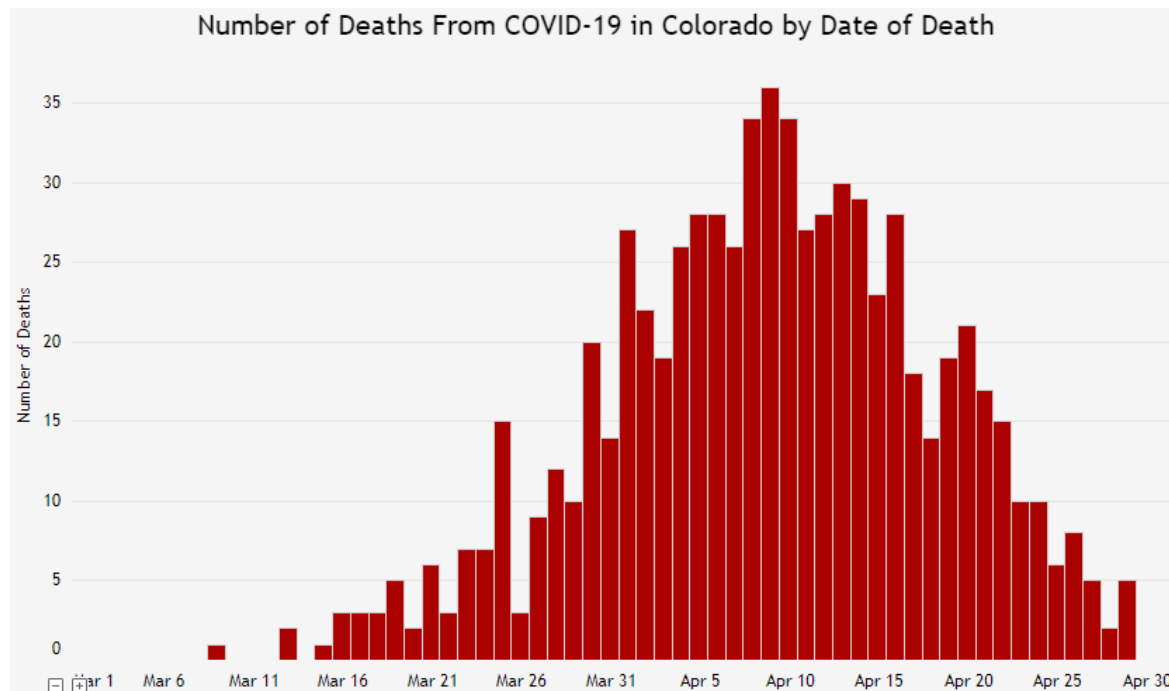
Covid Continues to be a Major Focus

- UCH and DH Covid cases stable to increasing, along with increasing non-Covid census
- Covid Cases: CDPHE shows cases are continuing to increase, however, hospital admissions have stabilized



Covid Continues to be a Major Focus

- UCH and DH Covid cases stable to increasing, along with increasing non-Covid census
- Covid Cases: CDPHE shows cases are continuing to increase, however, hospital admissions have stabilized
- Deaths: CDPHE shows marked decrease in deaths in Colorado



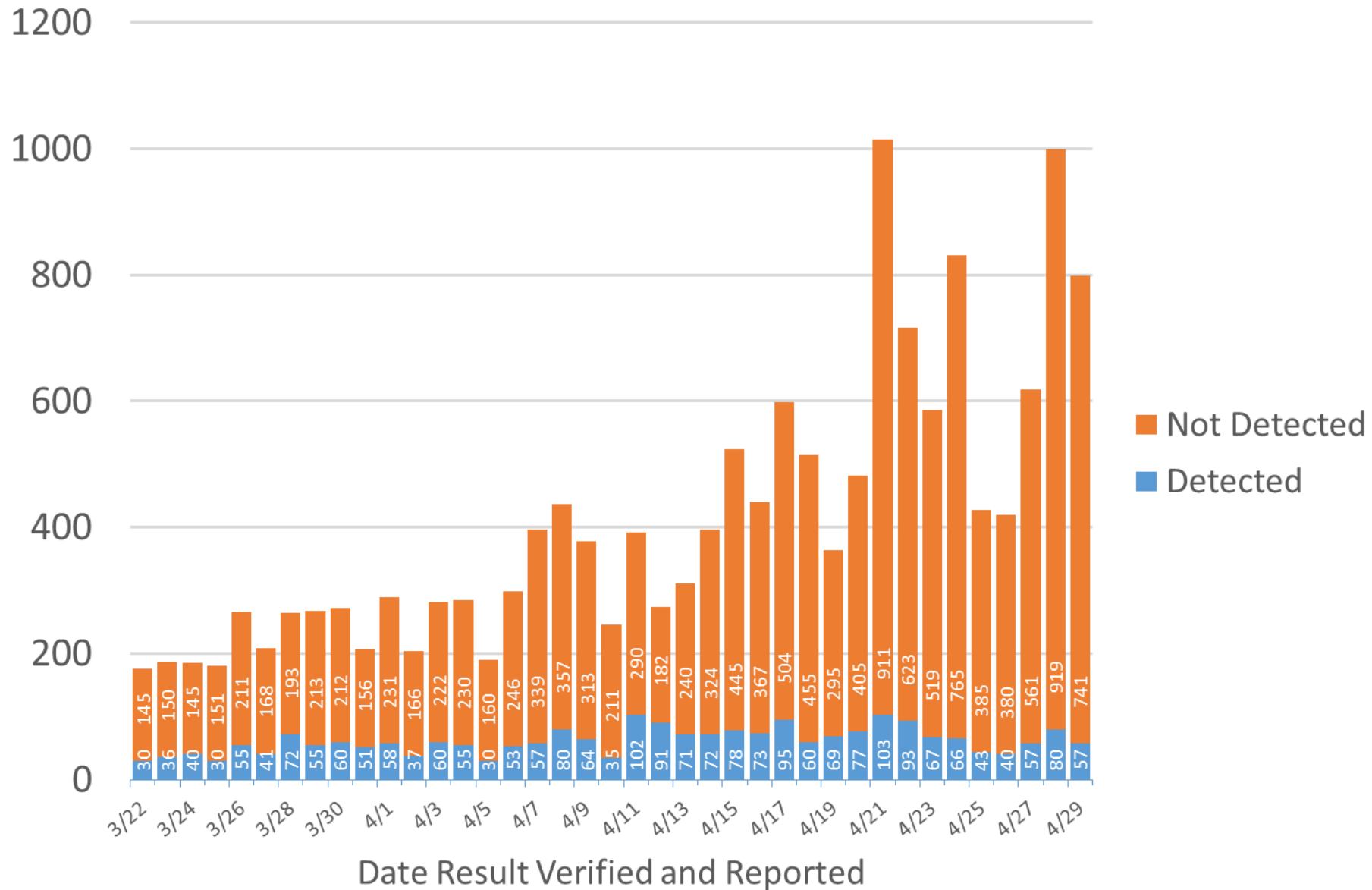
Recovery Efforts
Relaxation of Social Distancing

Coronavirus Testing

Edward R. Ashwood, MD
Professor and Vice Chair of Clinical Pathology
Medical Director of Clinical Laboratories
UCHealth University of Colorado Hospital

30 April 2020

UCHealth SARS CoV-2 NAAT Testing



UCHealth Laboratories Performing SARS RNA

LOCATION	Tests
BROOMFIELD HOSPITAL LABORATORY	21
CCPM BIOBANK LAB	289
GH LAB	228
GRANDVIEW HOSPITAL LABORATORY	8
HRH LAB	132
LPH LABORATORY	143
MCR LAB	643
MEMORIAL CENTRAL LAB	874
MEMORIAL NORTH LAB	231
PPRH WOODLND PRK LAB	42
PVH LAB	409
UCH LAB	13,012
YVMC LABORATORY	46
Grand Total	16,078

March 22, 2020
to
April 29, 2020



UCHealth SARS RNA Tests

SARS CoV-2 RNA Test	Performed 29 April 2020	Capacity #/d	Inventory	Days on Hand
Roche	568	564	3,912	4
Cepheid	154	213	685	6
Alere ID Now	0	275	5,748	many
SARS LC LDT	7	16	332	many
ThermoFisher	0	500	4,551	many
Total	819	1,293	9,473	12

UCHealth SARS RNA Tests

SARS CoV-2 RNA Test	Timing	TAT	Specimen	Target	Location
Roche	Batch (94)	13 hr	NP swab/VTM	orf1ab, E	UCH
Cepheid	24/7	1.5 hr	NP swab/VTM	N2, E	MCR, UCH, MCH, YVMC
Alere ID Now	24/7	1 hr	Nasal swab	RpRd, orf1	BFH, GVH, PPRH
SARS LC LDT	Batch (16)	48 hr	Trach Asp or sputum	N	UCH
ThermoFisher	Batch (94)	24 hr	NP swab/VTM	orf1ab, N, S	UCH/CCPM

SARS CoV-2 Antibody Tests

Test	Timing	TAT	Specimen	Target	Sensitivity Specificity	Location
Abbott Architect	16h x7d	2 hr	Serum	IgG Nucleo- capsid	100% (14d) 99.6%	UCH
DiaSorin Liaison	16h x7d	2 hr	Serum	IgG Spike	97.6% (15d) 99.3%	UCH
Ortho Vitros	24h x7d	2 hr	Serum	IgG Spike	88% (32d) 100%*	MCH PVH
CU SOM	Batch (94)	24 hr	Serum	IgG RBD	TBD TBD	Exsera
Epitope	Batch (94)	24 hr	Serum	IgG Nucleo- capsid	91% (21d) 90%**	NJH
85 others					Varies <95%/UNK	

*Based on a small study of 400.

**Based on COVIDtestproject study

University of Colorado Anschutz





DOM COVID-19 Town Hall

Coronavirus Testing in the Hospital and the Community

30 April 2020



COLORADO
Department of Public
Health & Environment

Deborah Monaghan, MD, MSPH

Director of Local Public Health Partnerships
Interim Director, Office of Planning, Partnerships and Improvement

Colorado Department of Public Health and Environment

Unified Testing Workgroup
State of Colorado COVID-19 Innovation Response Team (IRT)



COLORADO
Department of Public
Health & Environment



Statewide unified testing workgroup

- Strategy
- Supply chain
- Sites
- Science



COLORADO
Department of Public
Health & Environment



State Emergency Operations Center

53 Local Public Health Agencies serving as Hubs for all 64 counties

Testing sites: Hospitals, CHCs, FQHCs, LPHAs when needed

