

**BEHAVIORAL HEALTH & HOMELESSNESS
STATEWIDE UNIFIED RESPONSE GROUP
(BHHSURG)**

COVID-19 UPDATE

**EDWARD MERSEREAU, DEPUTY DIRECTOR
BEHAVIORAL HEALTH ADMINISTRATION, DEPARTMENT OF HEALTH**

SCOTT MORISHIGE, GOVERNOR'S COORDINATOR ON HOMELESSNESS

**HAROLD BRACKEEN III, ADMINISTRATOR
HOMELESS PROGRAMS OFFICE, DEPARTMENT OF HUMAN SERVICES**

LEO U. PASCUA, MD, WAHIAWĀ PEDIATRICIAN

CURTIS TOMA, MD, MQD MEDICAL DIRECTOR

BRIAN WU, MD, PEDIATRIC PULMONOLOGIST, HMSA QUEST MEDICAL DIRECTOR

Covid-19 Update : How About The Keiki Update for BHHSURG

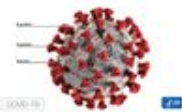


August 17, 2020

Leo Pascua, MD, Wahiawa Pediatrician

Curtis Toma, MD, MQD Medical Director

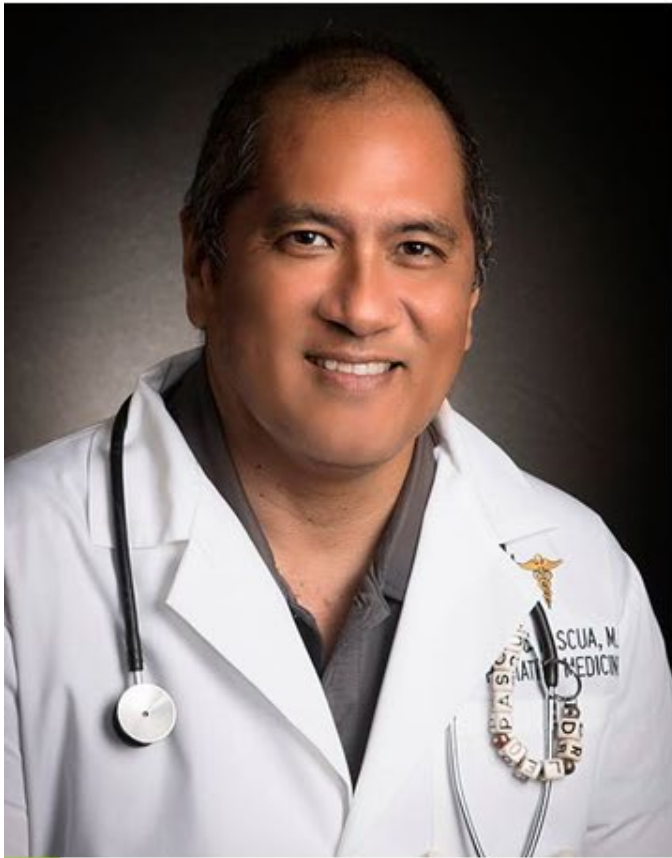
Brian Wu, MD, Pediatric Pulmonologist, HMSA Quest Med Dir



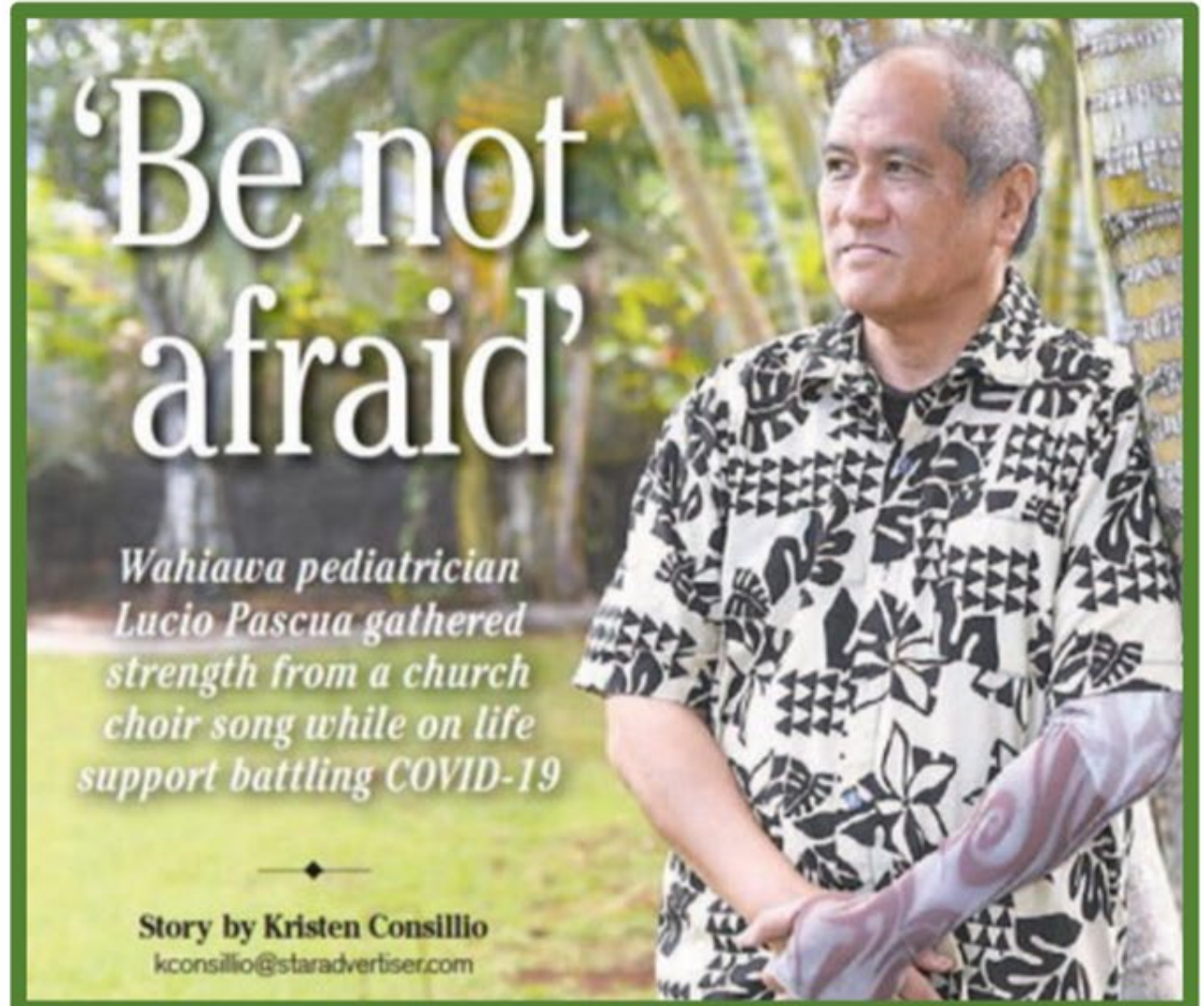
Children and Coronavirus Agenda

- ▶ Covid Words of Wisdom (Dr. Leo Pascua, pediatrician)
- ▶ Keiki Data and Statistics (Curtis Toma)
 - ▶ Hawaii relative to other states
 - ▶ DOH/DHS/DOE Programs and Data, Immunizations, Keiki Oral Health
- ▶ Covid Clinical Updates (Dr. Brian Wu, pediatric pulmonologist)

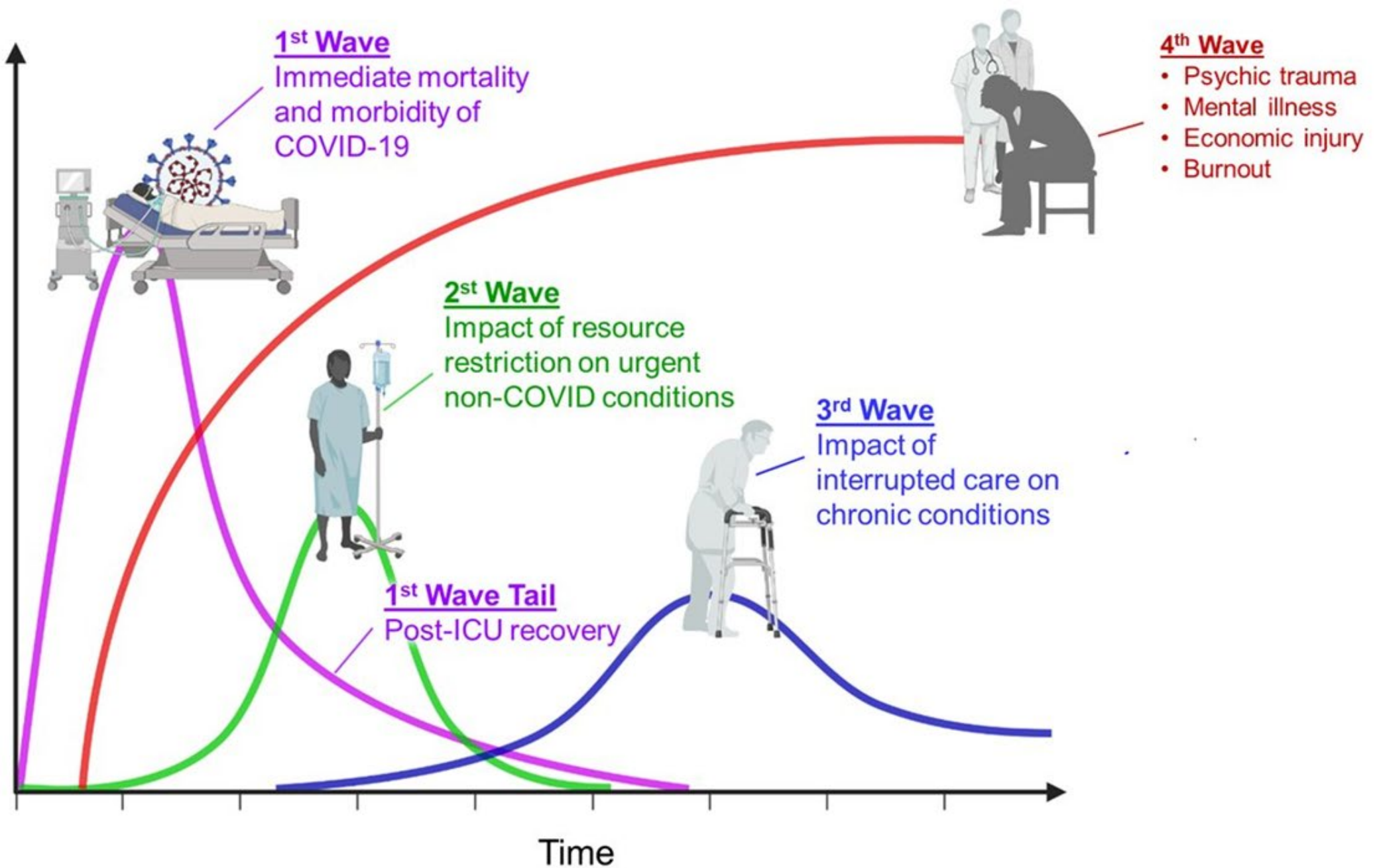




Leo Pascua, MD
Wahiawa Pediatrician



Health Footprint
of Pandemic



Hawaii Lowest Mortality Per Capita

- 1) HI
- 2) AK
- 3) WY
- 4) MT
- 5) WV

Covid markers for Hawaii

Mortality per capita (Very Low)

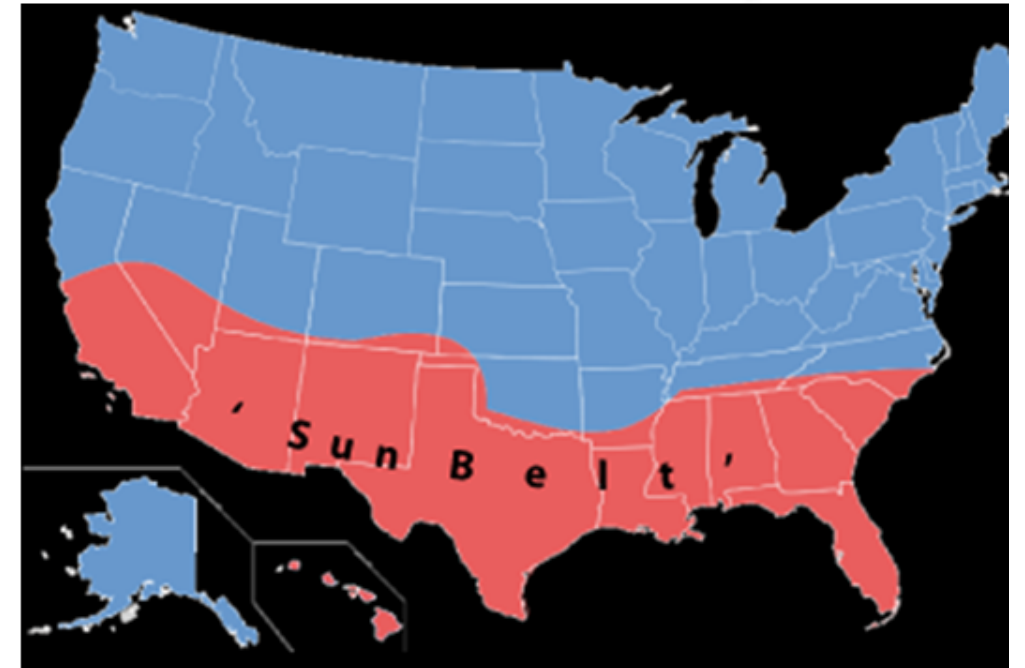
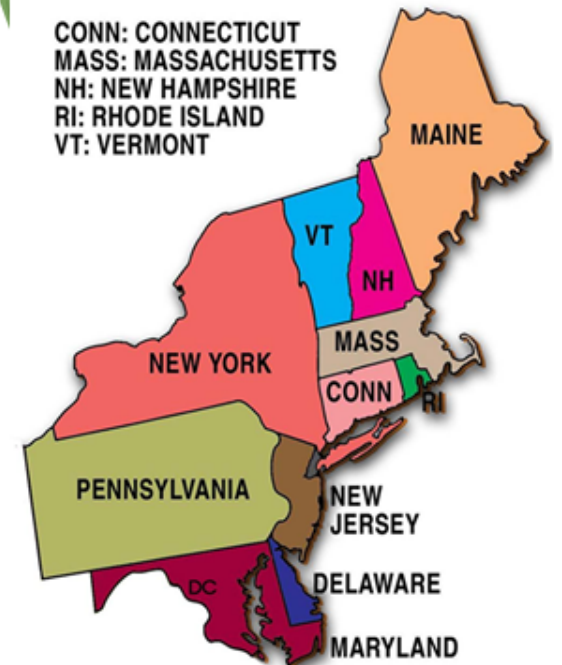
Year to date (East) vs past month (Sun Belt)

Active cases per capita (HI Low, Sun Belt Highest)

HI Total Case 5K, Active Case 3 K

R-naught (HI Very High, Sun Belt Vary)

Percent positive (HI High)



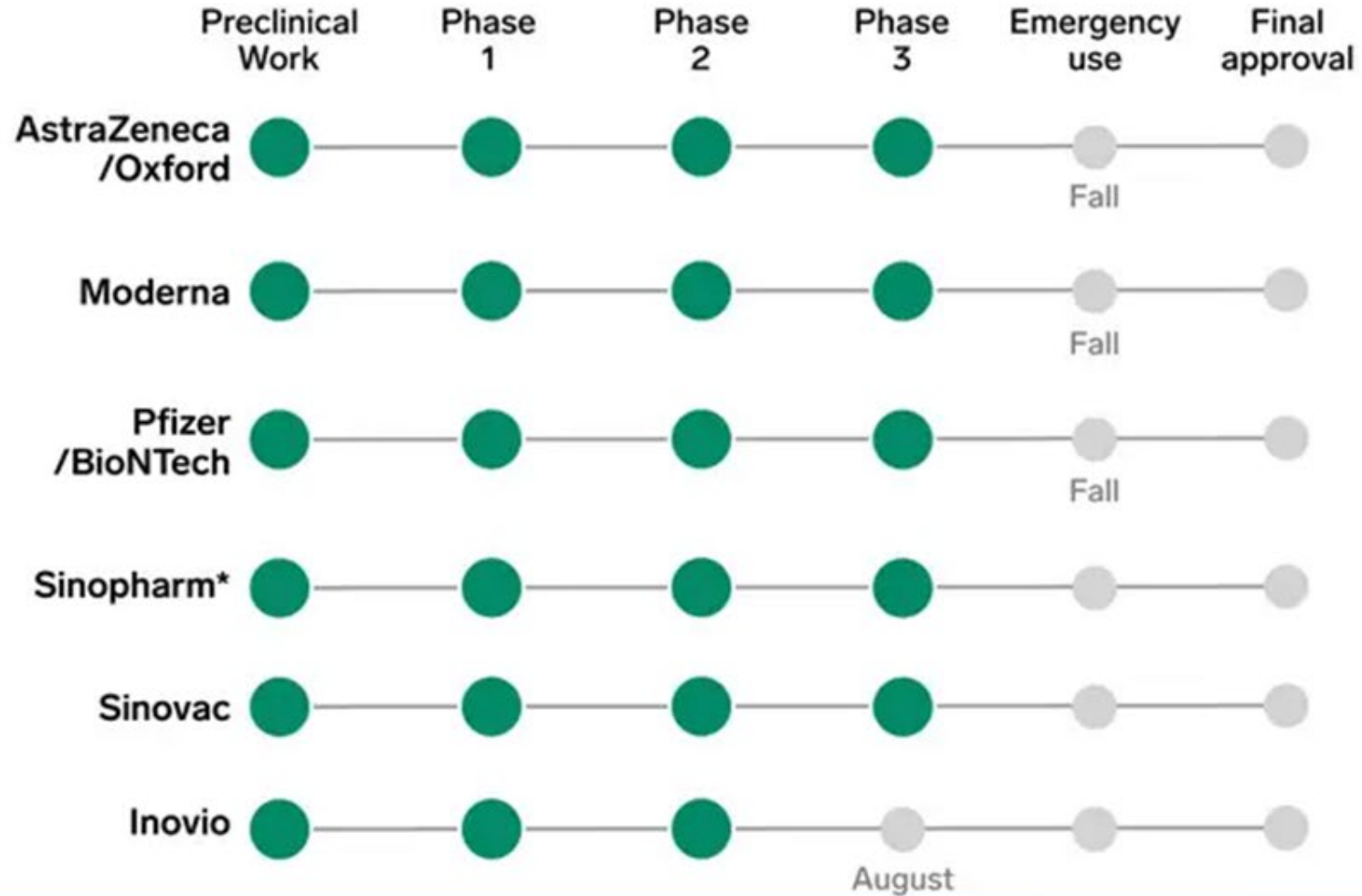
California Per Capita Covid Ranking

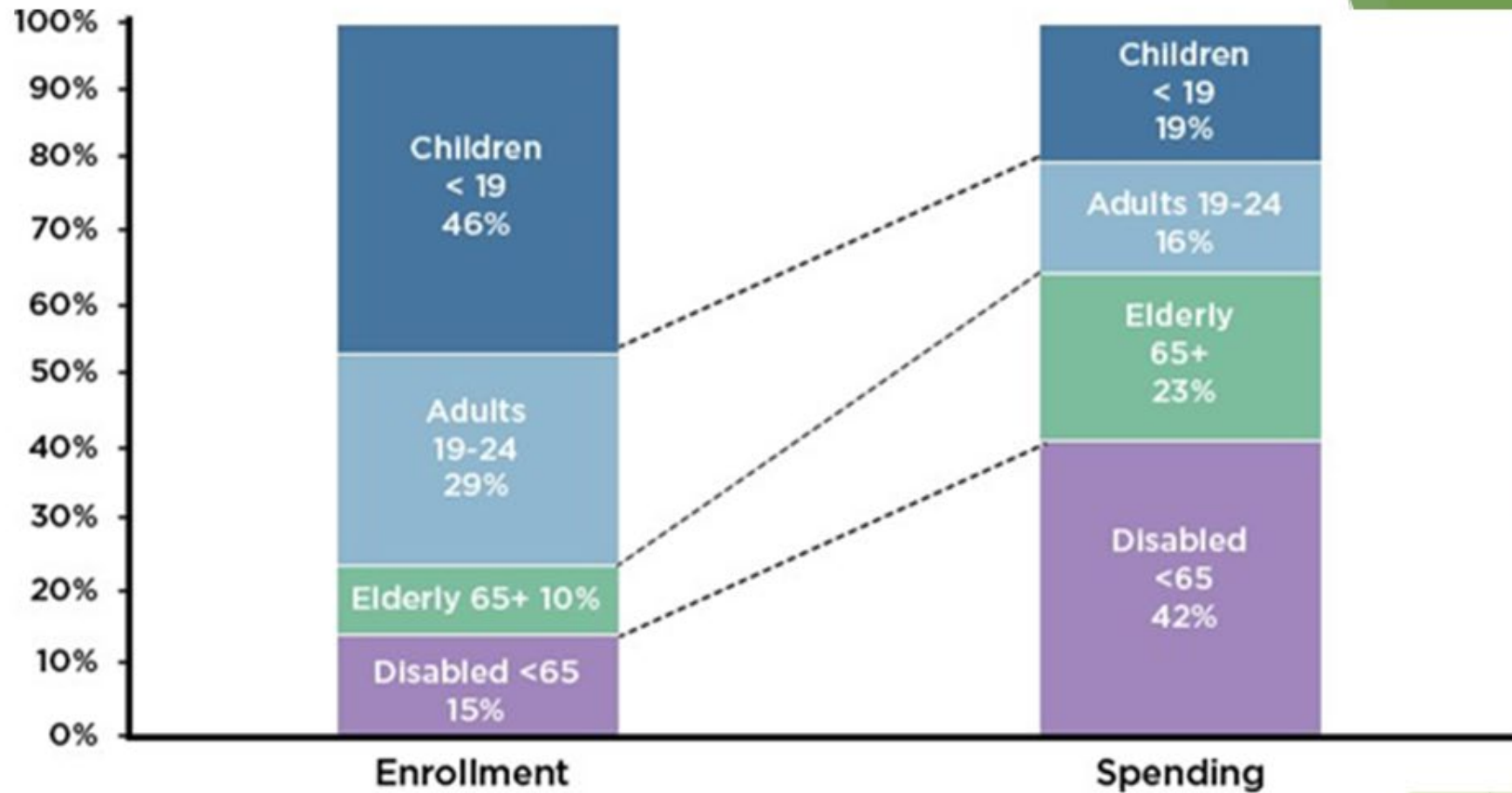
California COVID Rank Per Capita

Region	Mortality Rate	Active Cases	Population
CA Total	Mid	Mid	40M
LA County	#14 Highest	High	10M (11th Largest)
Outside LA	#14 Lowest	Low	30M

States with Largest Population: CA 40M, TX 30M, FL 20M, NY 20M

Coronavirus vaccine tracker





► *Source: Medicaid and CHIP Payment and Access Commission, MACStats Medicaid and CHIP Databook, December 2016. Compiled by Peter G. Peterson Foundation.*

	General Pop	Medicaid	Medicaid - Kids
State	1.4M (100%)	350,000 (100%)	160,000 (100%)
Oahu	1.0M (71%)	212,000 (61%)	96,000 (60%)
Big Island	190,000 (13%)	73,000 (21%)	33,000 (21%)
Maui	160,000 (11%)	43,000 (12%)	21,000 (13%)
Kauai	70,000 (5%)	20,000 (6%)	9,800 (6%)

Hawaii Childhood Lead Poisoning Prevention Program (HI-CLPPP)

Elevated Lead > Cognitive and attention deficits

10/2017: DOH awarded CDC grant funding to restart HI-CLPPP

3/2018: DOH Electronic Surveillance System

HI Medicaid 38% children age 1-2 years of age tested for lead

Down from 2019

Jan/Feb 2020: Down 7 %

3/2020: Down 30 %

4/2020: Down 65 %

5/2020: Down 38%

Rec:

Test all Medicaid children

Test all children from high risk zip codes

Geographic Areas at High Risk for Lead Exposure By Zipcodes

Oahu		Hawaii			Molokai	Kauai	
96786	96819	96704	96743	96774	96729	96703	96752
96792	96822	96710	96749	96776	96748	96705	96754
96797	96826	96718	96750	96777	96757	96741	96756
96813	96848	96719	96755	96778	96770	96746	96765
96815	96854	96720	96760	96780		96747	96769
96816	96857	96726	96764	96781		96751	96796
96817		96727	96771	96783			
		96728	96772	96785			
		96737	96773				

High risk geographic areas are based on standardized risk scores for:

- Rate of elevated blood lead levels
- Percent of housing built before 1960
- Percent of individuals below the poverty level

For practical purposes, high risk geographic areas (census tracts) were "converted" to zip codes

Childhood Immunizations

- ▶ National: 4/2020 Down 47%
- ▶ Hawaii VFC: 4/2020 Down 46%
- ▶ 5/2020 Down 35%

- ▶ Hawaii Influenza deaths ave > 100-150/yr (CDC)
- ▶ Hawaii Covid deaths to date 25
- ▶ Childhood Imm proxy for WCC/PE
- ▶ Covid AND other infectious disease low during shutdown



COVID-19 vs. Influenza			
	Cases	Total Hosp (Current Hosp)	Mortality/Yr
U.S Flu	~ 50 M	~ 500 K	~ 50 K
U.S COVID-19	5 M		175 K
Hawaii Flu	~ 100 K	~ 1,000	~ 100
Hawaii COVID-19	5 K	280 (150)	40

1918 Spanish Flu 675,000 deaths over 2-3 yr period. US population 103 M (1918) vs 330 M today.
 Hawaii Influenza/pneumonia mortality rate ranks second highest in nation (pre Covid).
 Hawaii Covid mortality rate ranks lowest in nation among all states.

Influenza data source CDC. Influenza (U.S.) Deaths estimated from past 3 years CDC data

Hawaii DOE School PE and Imm

- 1) **School PE (Form 14)** completed within one year before
 - ▶ Starting Childcare, Preschool, Kindergarten, or School in Hawaii
 - ▶ Starting Seventh Grade

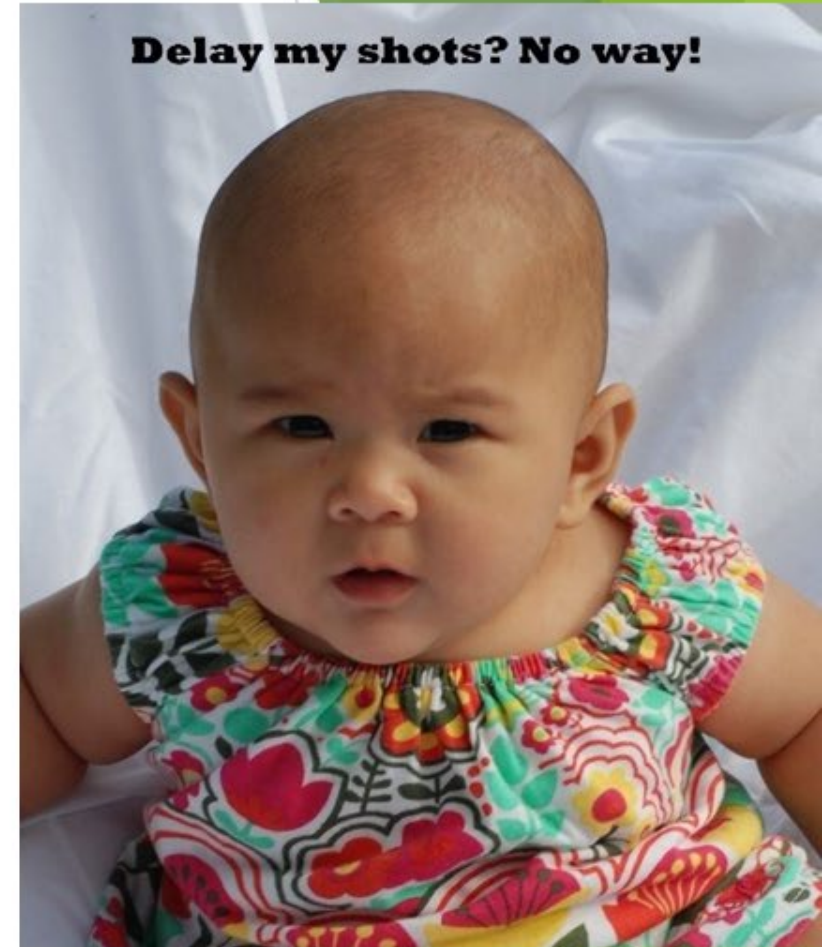
- 2) **Immunizations**
 - ▶ Follows CDC guidelines
 - ▶ Minimum Immunizations to start school vary by grade

 - ▶ *Provisional attendance allowed when an appointment card for a doctors visit is presented to school officials.*

- 3) **TB Clearance** (Required, *no provisional attendance*)

Backlog in access to PCP Appt during Covid crisis.

Anticipate access and appt challenges esp medicaid. Plan appt early.



Hawaii School Immunization Requirements

Childcare/Preschool: DTaP, Hib, Hap A, Hep B, MMR, PCV, IPV, Varicella

K or New Gr 1-6: DTaP, Hep A, Hep B, MMR, IPV, Varicella

New Gr 7-12: Above and HPV, MCV, Tdap

Continuing DOE Gr 7: HPV, MCV, Tdap

Post Secondary: MMR, Tdap, Varicella, MCV

www.vaxtoschoolhawaii.com/

www.health.hawaii.gov/docd/vaccines-immunizations/school-health-requirements/sy-20-21/

Early Interventions Services (EIS)

▶ Address Developmental Delay

- ▶ Interventions and CC during impactful early life
- ▶ Address Cognitive, Physical, Communication, Social, or Adaptive Delays.

▶ Eligibility

- ▶ Age 0-36 mo (0-3)
- ▶ In 2013, Elig. criteria -1.4 SD in 1 area/sub-area or -1.0 SD in 2+ sub-areas
- ▶ Or Biologically at Risk: Metab, Gen, Chrom, Congen, ASD
- ▶ In-person eval suspended; conducting partial eval
- ▶ Currently using presumptive eligibility



▶ Services:

- ▶ PT/OT/ST, Parent Training, Assistive Tech, Teaching, Other

▶ 3/2020 down 30 % from 3/2019

▶ 4/2020 down 65 % from 4/2019

▶ 5/2020 down 34 % from 5/2019

▶ 6/2020 down 0 % from 6/2019 (220 vs 219 EIS referrals)

Hawaii DOE SPED					
	Statewide	Oahu	Big Island	Maui	Kauai
Medicaid Kids (Ages 1 - 5)	100%	60%	21%	13%	6%
PS SPED	1,757	1,277 (73%)	211 (12%)	178 (10%)	72 (4%)
K-6 SPED	8,896	5,677 (64%)	1,268 (14%)	1,031 (12%)	416 (5%)
K-6 SPED Charter	504 (6%)				

PS SPED:

1757: Statewide point in time count based on a set date (national criteria).

2442: Statewide rolling count. As children turn age 3, they become eligible on rolling basis. Every month throughout year more children are added on as they qualify by age.

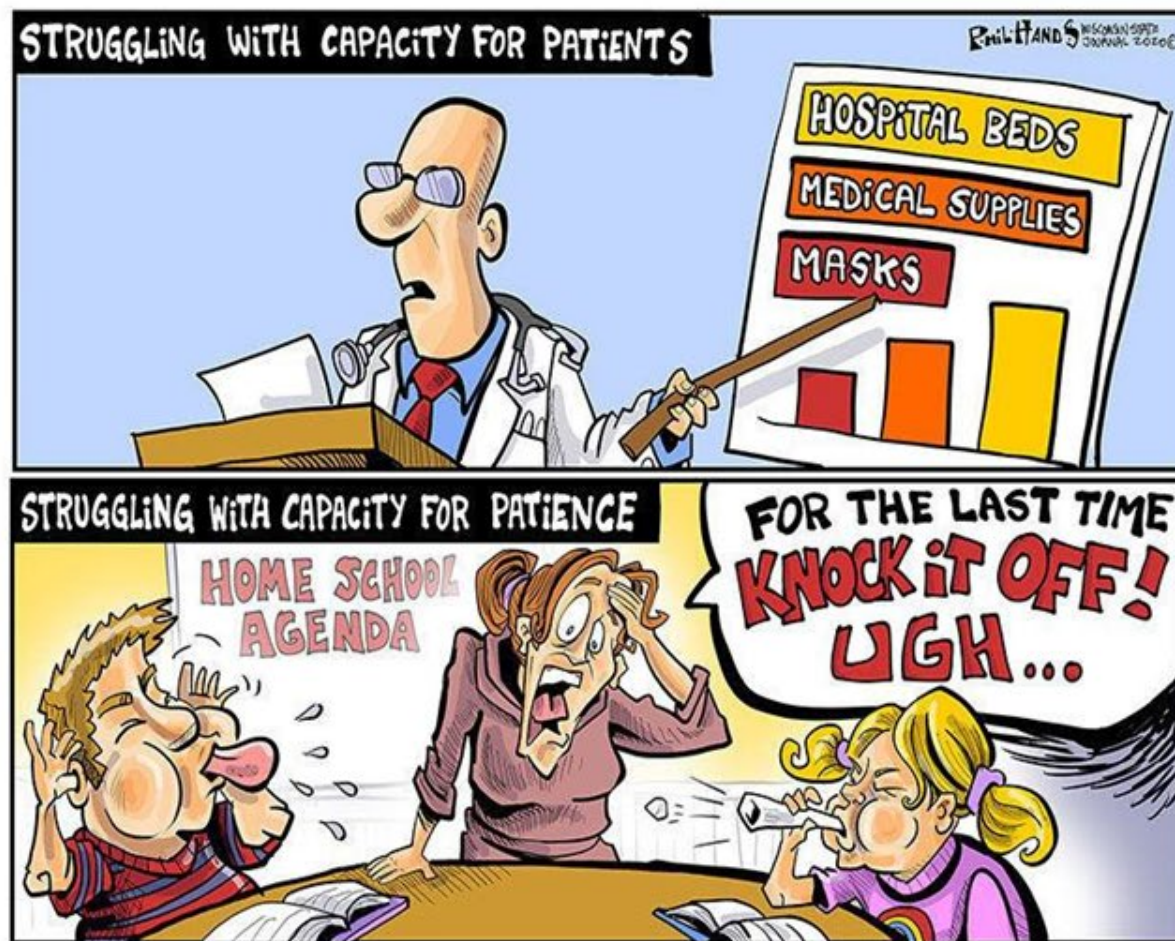
Child Welfare Services (CWS)

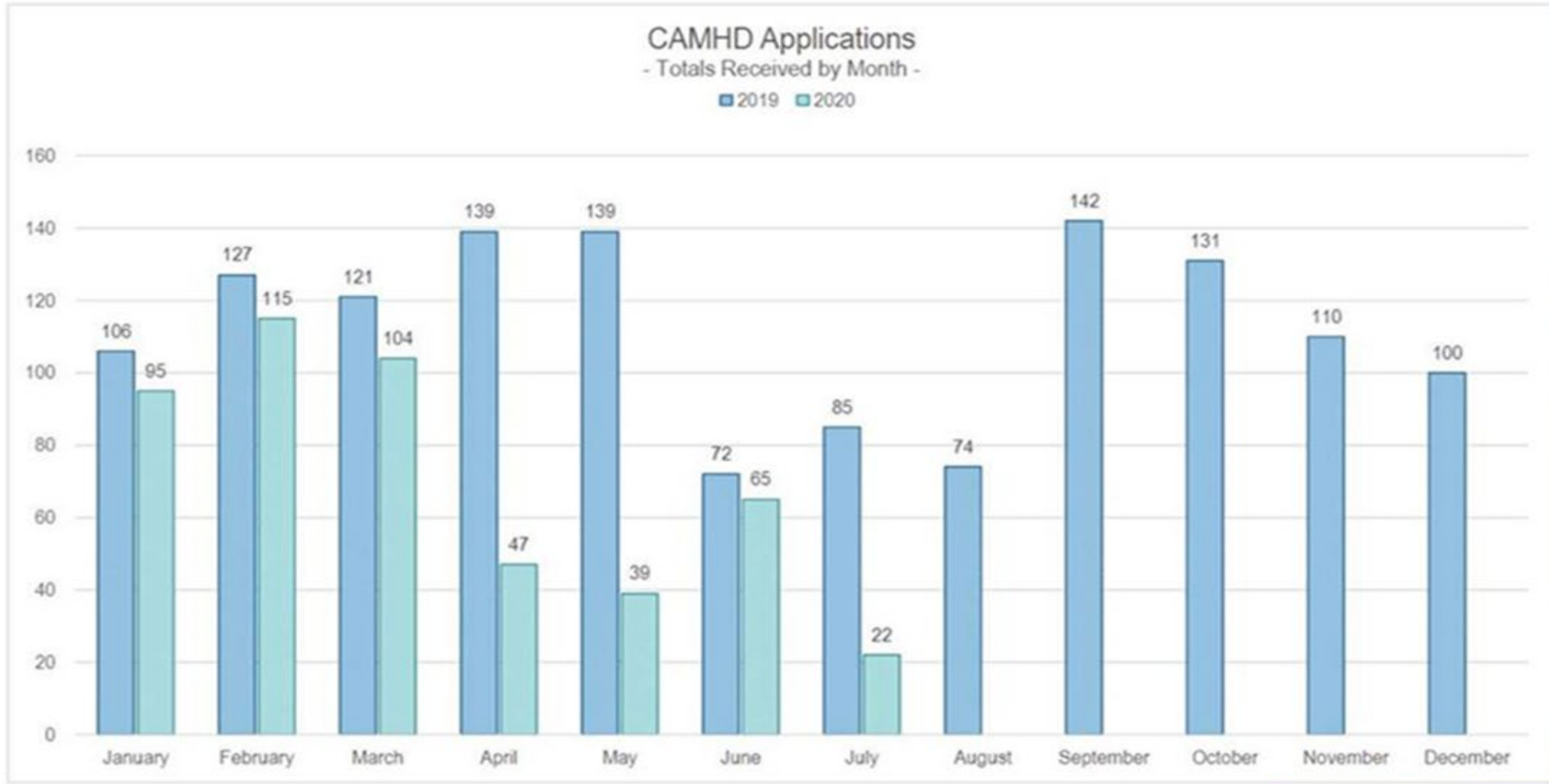
CWS Intakes			
2020	Total	Teacher (2020)	Teacher (2019)
Jan	274	40	35
Feb	263	45	31
March	260	27	29
April	179 (down 33%)	0	41
May	238 (down 11%)	4	34
June	203 (up 35%)	2	4



Family Strengthening and Support, Child Protection, Foster, Adoption.
Moving virtual visits to F2F in person visits challenging.
Have been successful with physicals and immunizations.
CWS is “open for business”

Teleworking From Home





CAMHD Applications: July data incomplete limited to first week July data.

CAMHD During Covid Crisis

- ▶ 11.8 M SAMHSA Grant: 4 yr, system of care, funding starting Aug 2020.
- ▶ Referrals down 66% from 4/2020 over 4/2019 (Comment on DOE)
- ▶ Goal to go upstream on CAMHD referrals both in age and disease progression.
- ▶ New Covid Barriers
 - ▶ “Good” infection control measures can decrease access to care, esp residential care.
- ▶ Drop in Contact with Crisis Mobile Outreach (CMO)
- ▶ CAMHD Resource web site:
www.helpyourkeiki.com
Crisis text Line: Texting resource targeting teens.

Crisis Mobile Outreach (CMO)

2020 CMO Statewide Referrals by Month					
	Jan - Feb	March	April	May	June
Referrals	177 (185)	83(77)	13 (155)	26 (126)	21(32)
% Decrease	N/A	N/A	92%	79%	34%
# Decrease	-8	6	-142	-100	-11

2020 CMO Referrals by Island YTD					
	State	Honolulu	Big Island	Maui	Kauai
YTD Total	320 (575)	130 (204)	83 (144)	74 (102)	33 (95)
% Decrease	44%	36%	42%	27%	65%
# Decrease	-255	-74	-61	-28	-62

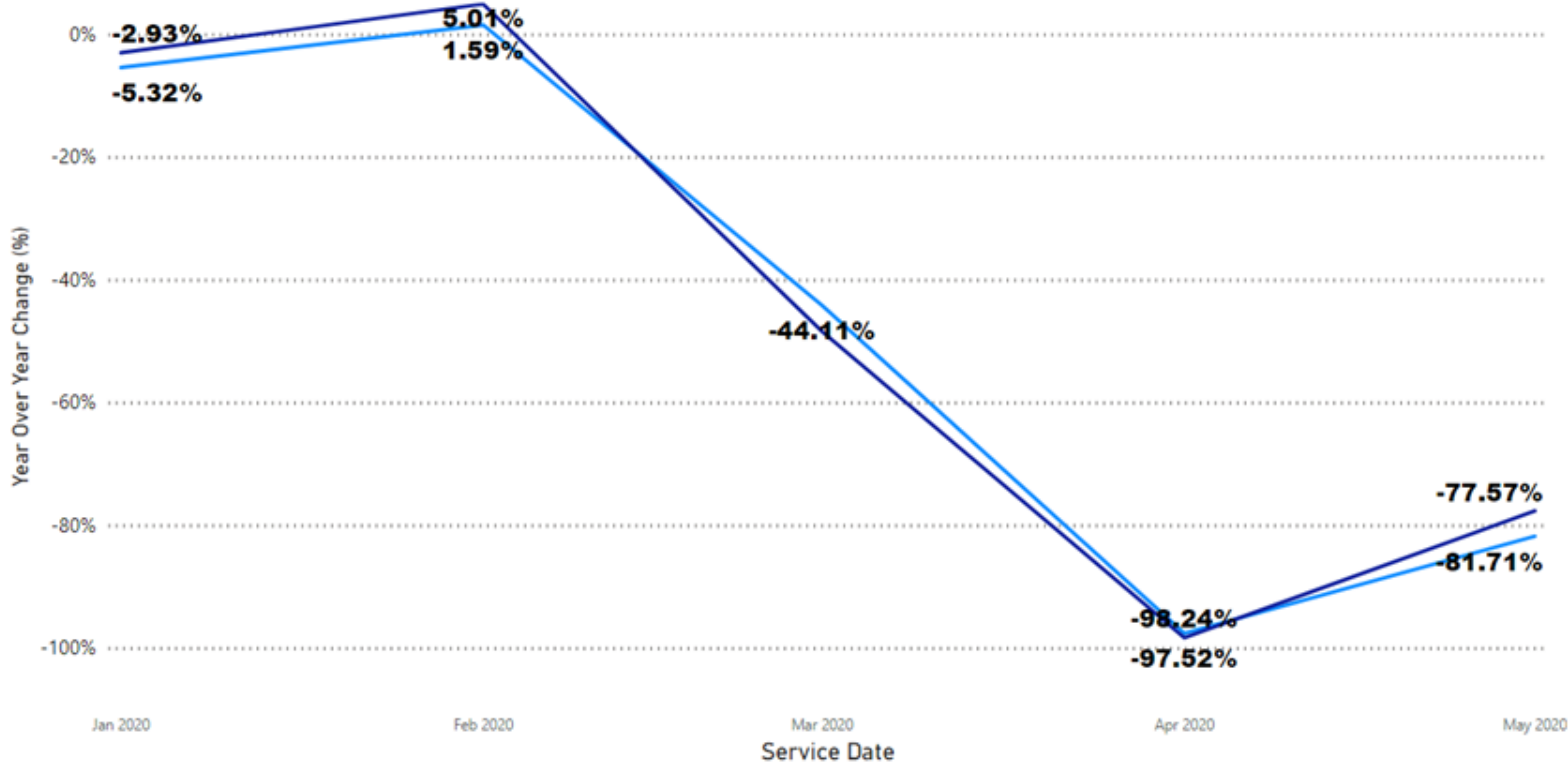
Comment on Kauai: Kauai is the only county that had a net loss of referrals from Jan-Mar accounting for almost as much decrease as April - June. The other counties entire net loss was from the April - June period.

Comment on DOE: Main source of Referral

Overall Preventative Services

2020 Year Over Year Total Volume

• Medicaid • Commercial



- No significant changes in January or February.
- Similar drop offs in March and April.
- Commercial recovering slightly faster.

Finding Medicaid Dentists

- ▶ MQD Dental CM Contractor is Community Case Management Corps (CCMC)
- ▶ If you or your children need help finding a dentist, call CCMC at:
 - Can assist with finding dentist and dental specialists
 - Oahu : 792-1070
 - Toll Free : 1-888-792-1070
 - Hours 7:45 am - 4:30 pm
 - Able to leave message before or after hours
 - www.ccmchawaii.com/dental_program

Keiki Oral Health

- ▶ Hawaii Highest Rate of Children's Tooth Decay in Nation:
Hawaii 71% vs 52 % national
- ▶ Hawaii Oral Health Disparities: Untreated Tooth Decay
By Income: NSLP 31% vs 13% not on NSLP
Micronesian 56%, Other PI 41%, Hawaiian 30%, Hawaii 22%, Caucasian 13%
- ▶ Urgent Dental: NSLP 12%, not on NSLP 2%. Children in poverty 6x risk for urgent dental.
Micronesian 30%, Other PI 23%, Hawaiian 7%, Caucasian 3%
- ▶ Hawaii ranks last among the 50 states for municipal water fluoridation
www.cdc.gov/fluoridation/statistics/2016stats.htm

Health Disparities: Other Pacific Islander

▶ Childrens Oral Health

- ▶ Micronesian and OPI highest for emergency dental, abscess and dental caries.
- ▶ Medicaid covers childrens dental (no copay, no premium)

▶ Early Interventions for Children

- ▶ Early Intervention:
- ▶ PS SPED:
- ▶ DOE: Micronesian (and possibly OPI) low for children accessing early intervention services (less than 3 year old) or PS SPED (3-5 year old) prior to starting kindergarten

Covid cases in Hawaii:

OPI (includes Micronesian) 4% population and 30% cases.

Pediatric Reminders

- ▶ Reminder dental, PE, screening tests, Imm (esp younger), School PE
- ▶ Reminder Address 3 A's: Allergies, Atopic derm (Eczema, Rash), Asthma
- ▶ Vaping highest rate in children



Hawaii DOE

- ▶ Last day of school Fri 3/13
 - ▶ 22 weeks ago (5 months or almost half year)
 - ▶ Each Quarter 45 school days
 - ▶ Students start 8/4 > 8/17 on line > 9/14 start blended > considering on line thru end Q1
- ▶ Macro Level
 - ▶ Learning Loss
 - ▶ Mental Health and Socio-Emotional Development
 - ▶ Mandatory Reporters for Abuse and Neglect
 - ▶ School Absenteeism proxy for other agencies
- ▶ Clinical Level
 - ▶ Mental Health Provider Tx, Screen, Refer
 - ▶ RN hours for medically fragile population
 - ▶ Therapist, 1:1 aides for BH/ASD



Hawaii DOE School Reopening and Covid-19: Stronger Together

- ▶ Flexibility, moving target, require adaptation.
- ▶ Need to mitigate risks given the resources we have.



<https://www.nytimes.com/2020/07/17/nyregion/coronavirus-nyc-schools-reopening-outdoors.html>

COVID-19
CORONAVIRUS DISEASE

BE INFORMED:

Know Your Risk During COVID-19

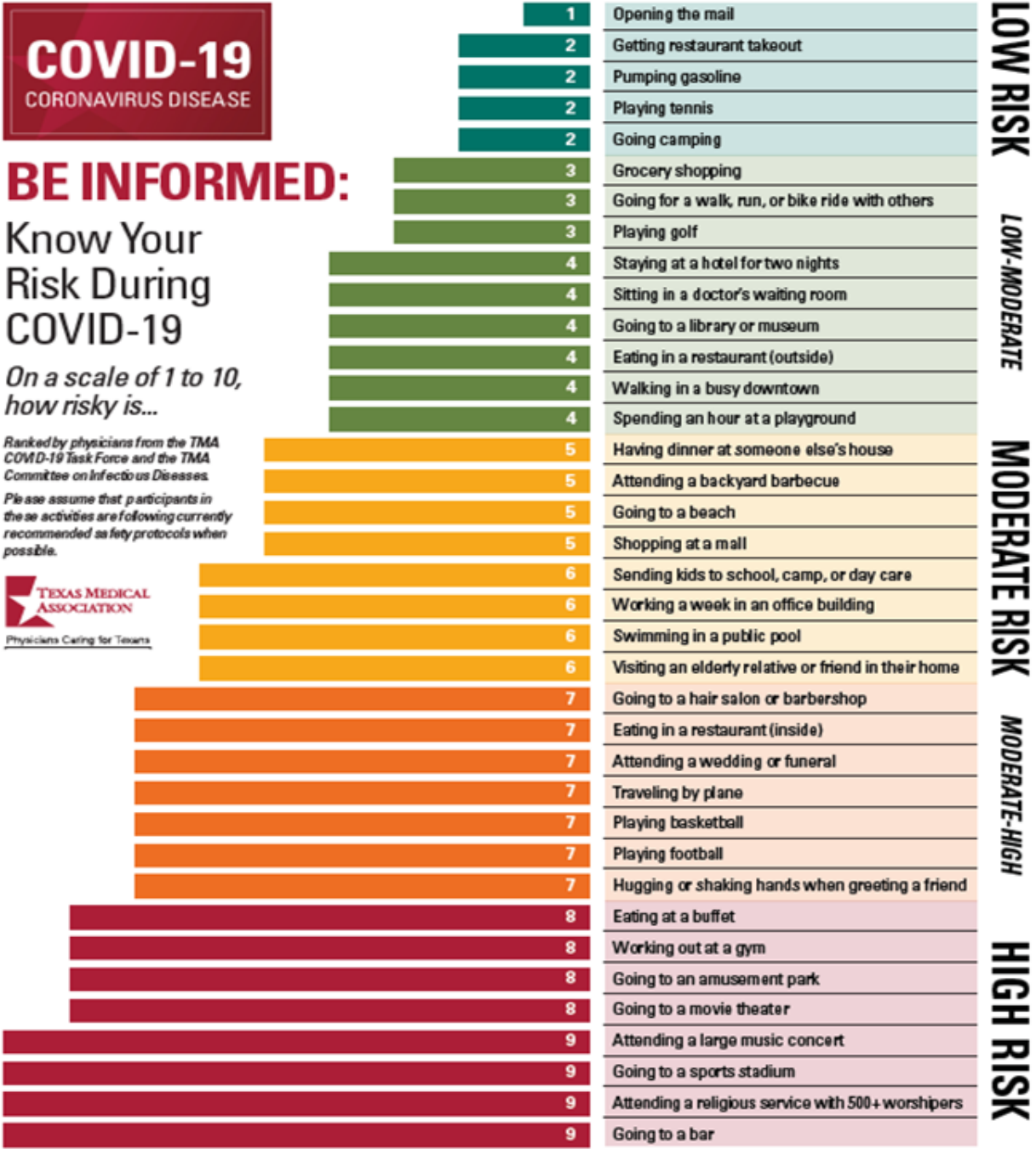
On a scale of 1 to 10, how risky is...

Ranked by physicians from the TMA COVID-19 Task Force and the TMA Committee on Infectious Diseases.

Please assume that participants in these activities are following currently recommended safety protocols when possible.



Physicians Caring for Texans



Hawaii Keiki During Covid Crisis Recap

- ▶ Children do relatively well clinically but many other impacts to children.
- ▶ Hawaii still doing well relative to other states
- ▶ Vaccine approval by end of year, but access may be later.
- ▶ Childrens interventions and services down (DOH, DHS, Imm, PE, Dental)
- ▶ DOE: Many other aspect beyond learning loss (Referrals CAMHD/CWS/PCP)
- ▶ Covid Health Disparities: Poverty, NI/BI, OPI = Micronesian, Polynesian
- ▶ Synergies and Collaborations

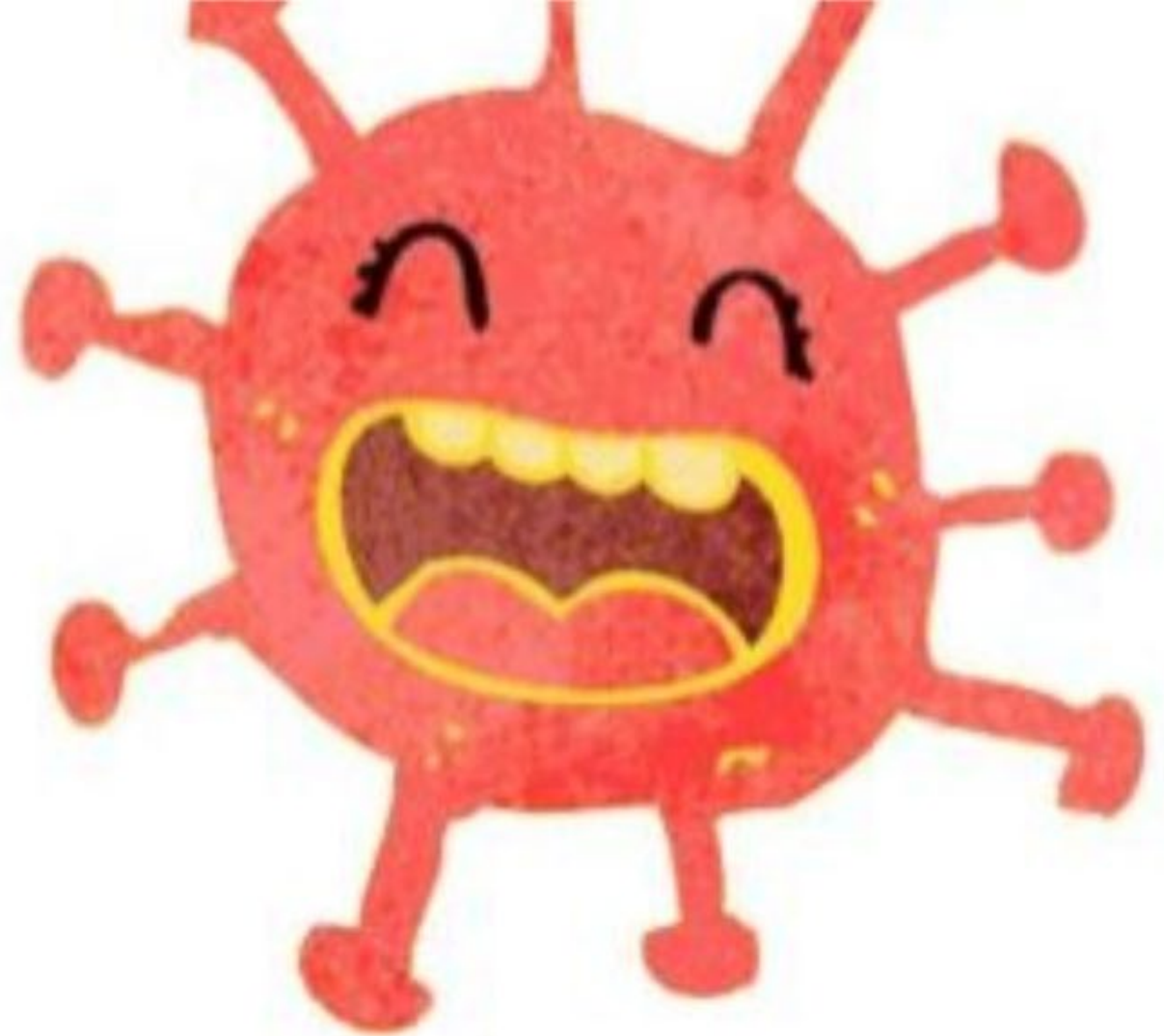
“In The Middle Of Every Difficulty Lies Opportunity” Einstein





Covid and Keiki

Brian Wu, MD, FAAP
Pediatric Pulmonologist



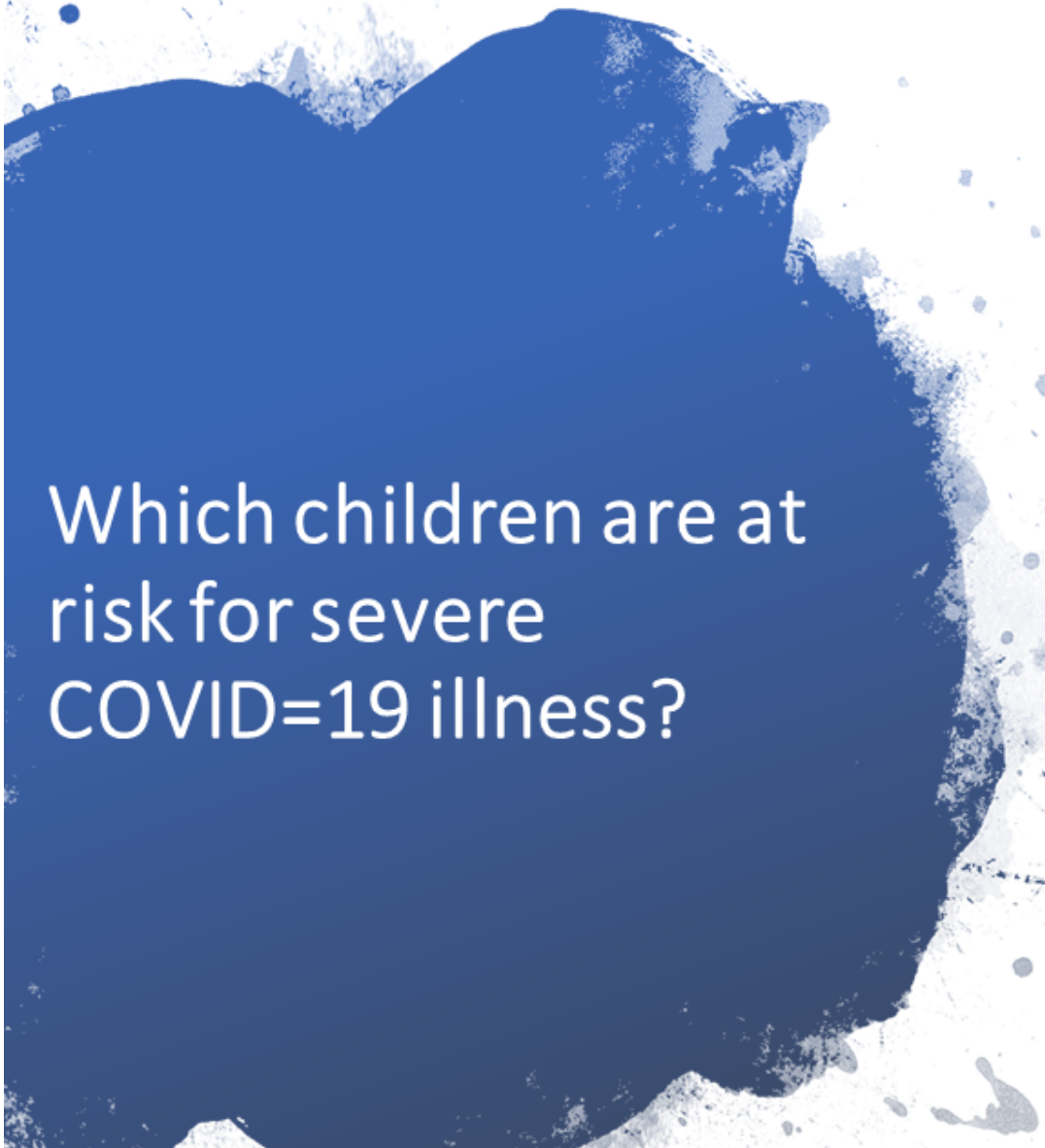
My name is Coronavirus

<https://images.app.goo.gl/5zuDhddi8Lorat3e9>

COVID differences: kids and adults (what we think we know, so far....)



- In general, children experience milder disease than adults
 - Why? Not sure
 - Like adults, COVID symptoms in children similar to other viral illnesses
 - Fever
 - Fatigue
 - Headache
 - Myalgia
 - Cough
 - Nasal congestion or rhinorrhea
 - New loss of taste or smell
 - Sore throat
 - Shortness of breath or difficulty breathing
 - Abdominal pain
 - Diarrhea
 - Nausea or vomiting
 - Poor appetite or poor feeding
- *Exception: MIS-C



Which children are at risk for severe COVID-19 illness?

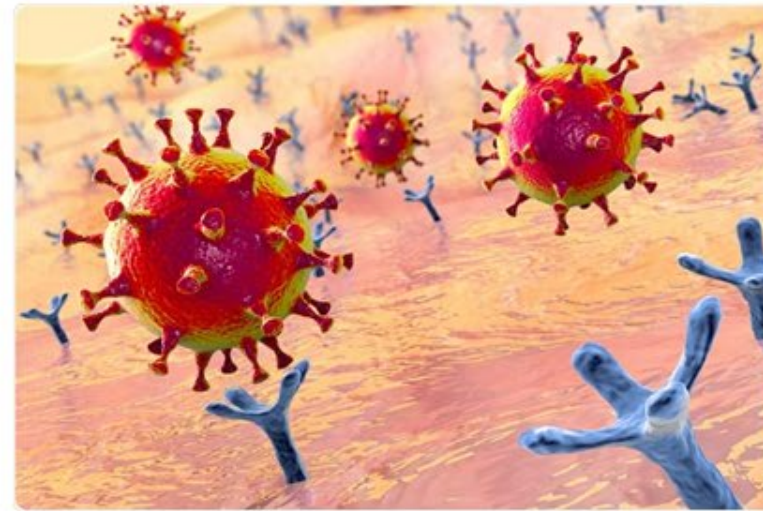
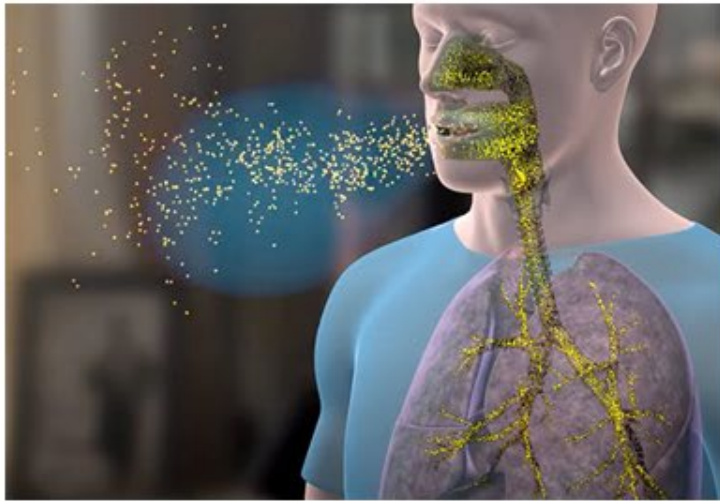
- All ages
 - Cancer
 - Chronic kidney disease
 - Obesity
 - Serious heart conditions
 - Sickle cell disease
 - Type II Diabetes
 - Immunocompromised from organ transplant
- Maybe:
 - Medically complex
 - Serious underlying conditions
 - Genetic, neurologic, metabolic disorders
 - Congenital (since birth) heart disease
 - Mod-severe asthma
 - High blood pressure
 - Liver disease
 - **Smoking**
 - Type I diabetes
 - Pregnancy
 - Immunocompromised
 - Liver disease
 - Cystic fibrosis

https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-with-medical-conditions.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fneed-extra-precautions%2Fgroups-at-higher-risk.html#children-underlying-conditions



COVID in kids: What we're not sure of

- Less likely to be infected?
 - Less ACE2 receptors in their nose



- Less likely to transmit to others?

<https://images.app.goo.gl/z5fN8YB8dcaaCiLt6>

<https://images.app.goo.gl/Swskme6gA9gkt16d8>

Less risk ≠ No risk

The Coronavirus Infected Hundreds at a Georgia Summer Camp

The camp took precautions but did not require campers to wear masks, the C.D.C. reported. Singing and cheering may have helped spread the virus.



<https://www.nytimes.com/2020/07/31/health/coronavirus-children-camp.html>

What DO we know?

- S
- M
- A
- S
- H



<https://images.app.goo.gl/2niGyERgbSkjoQjT8>

#SMASHCovid

Stay home if you're sick



- Can spread up to 4 days prior to symptoms, or if no symptoms

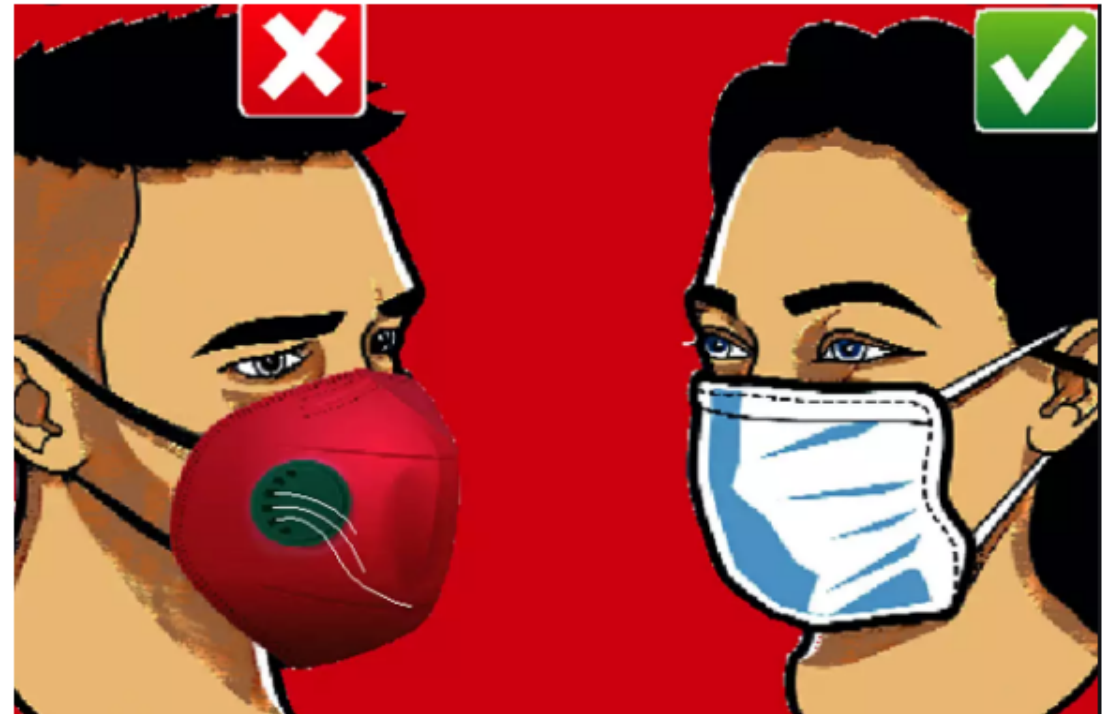
<https://images.app.goo.gl/YpiYKMLdXSAXW5XE6>

Let's **SMASH** COVID together!

Stay home if you're sick

Mask up

- Vast majority of people with medical conditions can wear masks
- If can't, seek treatment of underlying condition (like asthma)



We *can* SMASH the curve

Stay home if you're sick

Mask up

Air – fresh is good. Work & play in well-ventilated/filtered spaces

- Be cautious of aerosolizing generating procedures (like nebulizers, CPAP)



<https://images.app.goo.gl/VbPk4BZwxa85f6YG6>

<https://images.app.goo.gl/okzKJMe4ftT9Uaeg8>

SMASHCovid...with sanity

Stay home if you're sick

Mask up

Air – fresh is good. Work & play in well-ventilated/filtered spaces

Stay away – physical distancing
(discuss social bubble)



<https://www.nytimes.com/2020/06/09/parenting/coronavirus-pod-family.html>

“No snowflake in an avalanche ever feels responsible”

Stay home if you're sick

Mask up

Air – fresh is good. Work & play in well-ventilated/filtered spaces

Stay away – physical distancing (social bubble)

Hand Hygiene





Questions?

Mahalo





@ B H H S U R G

#HealthyWeLiveHawaii #SocialDistancing
#FlattenTheCurve #TogetherWeCan

BHHSURG.HAWAII.GOV