SANTA ROSA COUNTY SCHOOL DISTRICT
BOARD WORKSHOP
APRIL 20, 2021

COVID-19 MITIGATION STRATEGIES

WORKSHOP GOAL

THE SCHOOL BOARD WILL BE PROVIDED WITH:

- EMPLOYEE SURVEY DATA
- PARENT SURVEY DATA
- ENROLLMENT DATA
- LOCAL DATA
- FLDOE MEMO
- RESEARCH
- INPUT FROM THE MEDICAL COMMUNITY
- CURRENT COVID DATA FOR SRCSD
- BOARD DISCUSSION

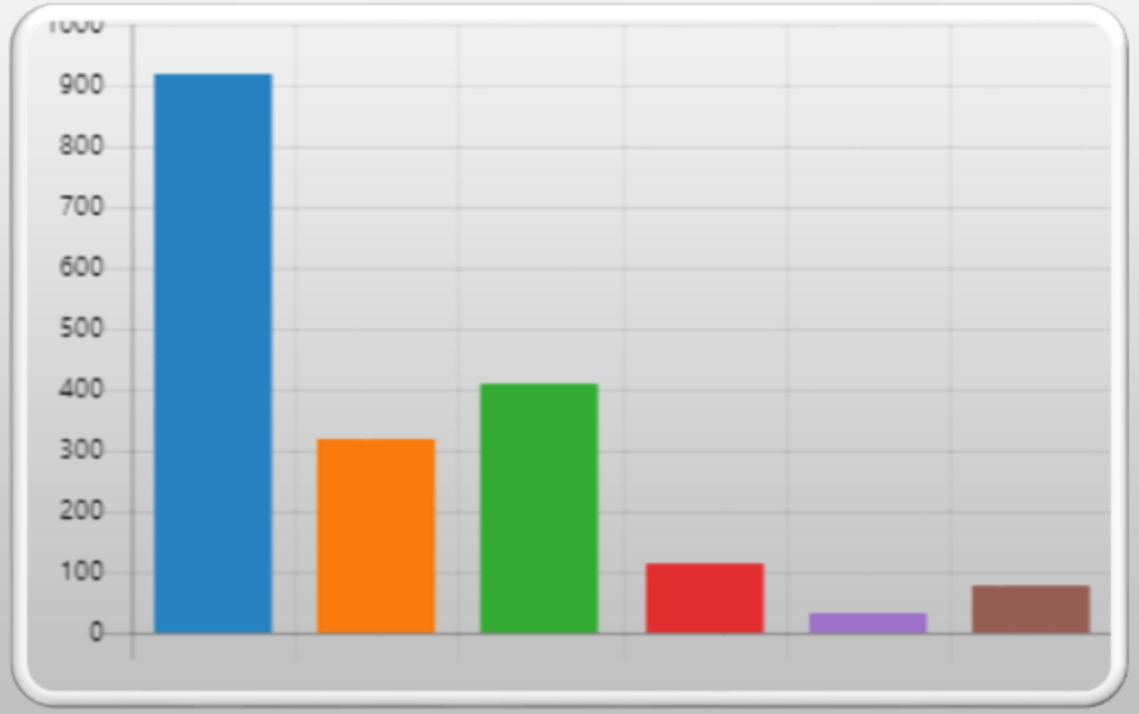
FOR CONSIDERATION REGARDING COVID-19 MITIGATION STRATEGIES FOR THE SANTA ROSA COUNTY SCHOOL DISTRICT.

EMPLOYEE DATA

Please select the location/level that best fits your position

	PreK-Elementary	**917**
	Middle	319
	High/Adult	408
	County Offices	112
	Virtual (All levels)	33
	Other	76

1865 OF 3110 EMPLOYEES RESPONDED



EMPLOYEE DATA

Do you feel face covering and other protective/safety measures have helped reduce the spread of positive cases of Covid in our schools?

yes	50%
no	27%
I am really not sure	23%

EMPLOYEE DATA

Have you felt safer having face coverings as a required safety measure this school year?

yes	44%
no	35%
somewhat	21%

EMPLOYEE DATA

Have you had concerns for any adverse effects of any of the safety measures put in place this school year (social distancing, mask wearing, changes in schedules, event limits, visitor limits, etc.)?

yes	39%
no	61%

EMPLOYEE DATA

- FOUR EMPLOYEES HAVE DIED FROM COVID-19 DURING THE 2020-2021 SCHOOL YEAR
- THE MOST RECENT DEATH WAS APRIL 9, 2021

EMPLOYEE DATA

Keep mask mandate	14%
Keep mask mandate until end of school year	39%
Change mask mandate to encouraged as soon as possible	18%
Remove mask mandate	29%

PARENT DATA

3528 unique responses

Keep mask mandate	18%
Keep mask mandate until end of school year	29%
Change mask mandate to encourage as soon as possible	13%
Remove mask mandate	40%

Survey was released on April 9th, 2021

ENROLLMENT DATA

BRICK & MORTAR

PK-5th=11,320
6th-8th=6,040
9th-12th=7890
Adult=557

TOTAL B&M=25,807

90%

Online (virtual & remote)

PK-5th=799
6th-8th=528
9th-12th=796
Adult=0

TOTAL ONLINE=3,006

10%

TOTAL STUDENTS=28,813

OTHER DISTRICTS

COVID-19: Characteristics of cases in pediatric Florida residents <18 years old

COUNTY	% POSITIVITY FOR 3/3/21	% POSITIVITY FOR 3/10/21	% POSITIVITY FOR 3/18/21	% POSITIVITY FOR 3/30/21	% POSITIVITY FOR 4/12/21
Escambia	14	13.9	13.6	13.5	13.4
Okaloosa	18.7	18.5	18.4	18.1	17.9
Santa Rosa	17.7	17.5	17.2	16.8	16.3

FROM FLDOE

MEMO: April 14, 2021

Planning for the 2021-2022 school year

We ask that districts, which currently are implementing a mandated face covering policy, revise their policy to be voluntary for the 2021-2022 school year.

Santa Rosa Health Department

HOW WOULD NO MASKS AFFECT THE NUMBER OF STUDENTS WHO QUARANTINE AFTER EXPOSURE TO A POSITIVE CASE?

May not affect who quarantines from a positive case.

The guidelines for early return -No early return from a school based exposure. Days out of school would increase. (14 days for exposure without mitigation strategies)

May see more cases arise from exposure in the school setting which could lead to more student quarantines.

RESEARCH

To mask or not to mask-That is not the question

The following information was taken from an article by Dr. Pierre Kory of the Front Line COVID-19 Critical Care Alliance

(FLCC)Masks! – Clearing Up the Confusion | FLCCC | Front Line COVID-19 . Retrieved April 16, 2021, from https://covid19criticalcare.com/guide-for-this-website/masks-clearing-up-the-confusion/

When to mask or not to mask

No mask-Outdoors if you practice social distancing.	**To Mask**-Inside – Aerosol (airborne spread can be prevented by ubiquitous wearing of standard mask indoors.	Masks are critical in protecting yourself and others from COVID-19

RESEARCH

Operational Strategy for K-12 Schools through Phased Prevention . Retrieved April 16, 2021, from https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/operation-strategy.html

Key Points

- Evidence suggests that many K-12 schools that have strictly implemented prevention strategies have been able to safely open for in-person instruction and remain open.
- CDC's K-12 operational strategy presents a pathway for schools to provide in-person instruction safely through consistent use of prevention strategies, ***including universal and correct use of masks and physical distancing.***
- All schools should implement and layer prevention strategies and should ***prioritize universal and correct use of masks and physical distancing.***
- Testing to identify individuals with SARS-CoV-2 infection and vaccination for teachers and staff provide additional layers of COVID-19 protection in schools.

UNIVERSAL AND CORRECT USE OF MASK

OPERATIONAL STRATEGY FOR K-12 SCHOOLS THROUGH PHASED PREVENTION .

RETRIEVED APRIL 16, 2021, FROM HTTPS://WWW.CDC.GOV/CORONAVIRUS/2019-NCOV/COMMUNITY/SCHOOLS-CHILDCARE/OPERATION-STRATEGY.HTML

- REQUIRE CONSISTENT AND CORRECT USE OF WELL-FITTING FACE MASKS BY ALL STUDENTS, TEACHERS, AND STAFF TO PREVENT SARS-COV-2 TRANSMISSION THROUGH RESPIRATORY DROPLETS.
- MASK POLICIES FOR ALL STUDENTS, TEACHERS, AND STAFF SET THE EXPECTATION THAT PEOPLE WILL USE MASKS THROUGHOUT THE SCHOOL.
- MASK USE SHOULD BE REQUIRED ON SCHOOL BUSES AND OTHER PUBLIC TRANSPORTATION; SCHOOL SYSTEMS SHOULD TAKE APPROPRIATE STEPS TO ENSURE COMPLIANCE WITH THIS REQUIREMENT BY STUDENTS, STAFF, AND OTHERS.
- IF VISITORS ARE PERMITTED IN SCHOOL, THEY SHOULD BE REQUIRED TO WEAR MASKS AT ALL TIMES AND SHOULD MAINTAIN PHYSICAL DISTANCE FROM OTHERS.
- SCHOOLS SHOULD ENCOURAGE MODELING OF CORRECT AND CONSISTENT MASK USE BY SCHOOL LEADERS, LOCAL LEADERS, AND OTHERS RESPECTED IN THE COMMUNITY.

NEGATIVE VS. POSITIVE EFFECTS OF MASKS

Mahase, E. (2020). Covid-19: What is the evidence for cloth masks? | The BMJ. Retrieved April 16, 2021, from https://www.bmj.com/content/369/bmj.m1422

NEGATIVE 👎

- MASK SHORTAGES FOR THOSE WHO ARE MORE IN NEED: HEALTH AND CARE WORKERS, IMMUNO-COMPROMISED PEOPLE
- THEY DON'T PROTECT AGAINST THE VIRUS GETTING INTO THE EYES.
- PEOPLE MAY NOT FIT THE MASKS PROPERLY OR TAKE THEM ON AND OFF
- FALSE SENSE OF REASSURANCE AND THUS PAY LESS ATTENTION TO OTHER MITIGATION STRATEGIES SUCH AS SOCIAL DISTANCING AND HAND WASHING.

NEGATIVE VS. POSITIVE EFFECTS OF MASKS

CLOTH MASKS MAY PREVENT TRANSMISSION OF COVID-19: AN . RETRIEVED APRIL 16, 2021, FROM HTTPS://WWW.RESEARCHGATE.NET/PUBLICATION/341590135_CLOTH_MASKS_MAY_PREVENT_TRANSMISSION_OF_COVID-19_AN_EVIDENCE-BASED_RISK-BASED_APPROACH

INWARD AND OUTWARD EFFECTIVENESS OF CLOTH MASKS, A SURGICAL . RETRIEVED APRIL 16, 2021, FROM HTTPS://WWW.RESEARCHGATE.NET/PUBLICATION/347082535_INWARD_AND_OUTWARD_EFFECTIVENESS_OF_CLOTH_MASKS_A_SURGICAL_MASK_AND_A_FACE_SHIELD

POSITIVE

- CLOTH MASKS REDUCE DROPLET AND AEROSOL TRANSMISSION.
- REDUCED OUTWARD TRANSMISSION AND REDUCED CONTAMINATION OF THE ENVIRONMENT.
- REDUCES THE SPREAD OF COVID

Table. Studies of the Effect of Mask Wearing on SARS-CoV-2 Infection Risk[a]

Source	Location	Population studied	Intervention	Outcome
Hendrix et al	Hair salon in Springfield, Missouri	139 Patrons at a salon with 2 infected and symptomatic stylists	Universal mask wearing in salon (by local ordinance and company policy)	No COVID-19 infections among 67 patrons who were available for follow-up
Payne et al	USS Theodore Roosevelt, Guam	382 US Navy service members	Self-reported mask wearing	Mask wearing reduced risk of infection by 70% (unadjusted odds ratio, 0.30 [95% CI, 0.17-0.52])
Wang Y et al	Households in Beijing, China	124 Households of diagnosed cases comprising 335 people	Self-reported mask wearing by index cases or ≥1 household member prior to index case's diagnosis	Mask wearing reduced risk of secondary infection by 79% (adjusted odds ratio, 0.21 [95% CI, 0.06-0.79])
Doung-ngern et al	Bangkok, Thailand	839 Close contacts of 211 index cases	Self-reported mask wearing by contact at time of high-risk exposure to case	Always having used a mask reduced infection risk by 77% (adjusted odds ratio, 0.23 [95% CI, 0.09-0.60])
Gallaway et al	Arizona	State population	Mandatory mask wearing in public	Temporal association between institution of mask wearing policy and subsequent decline in new diagnoses
Rader et al	US	374 021 Persons who completed web-based surveys	Self-reported mask wearing in grocery stores and in the homes of family or friends	A 10% increase in mask wearing tripled the likelihood of stopping community transmission (adjusted odds ratio, 3.53 [95% CI, 2.03-6.43])
Wang X et al	Boston, Massachusetts	9850 Health care workers (HCWs)	Universal masking of HCWs and patients in the Mass General Brigham health care system	Estimated weekly decline in new diagnoses among HCWs of 3.4% after full implementation of the mask wearing policy
Mitze et al	Jena (Thuringia), Germany	City population aged ≥15 y	Mandatory mask wearing in public spaces (eg, public transport, shops)	Estimated daily decline in new diagnoses of 1.32% after implementation of the mask mandate
Van Dyke et al	Kansas	State population	Mandatory mask wearing in public spaces	Estimated case rate per 100 000 persons decreased by 0.08 in counties with mask mandates but increased by 0.11 in those without
Lyu and Wehby	15 US states and Washington, DC	State populations	Mandatory mask wearing in public	Estimated overall initial daily decline in new diagnoses of 0.9% grew to 2.0% at 21 days following mandates
Karaivanov et al	Canada	Country population	Mandatory mask wearing indoors	Estimated weekly 25%-40% decline in new diagnoses following mask mandates

STUDIES: THE EFFECT OF MASK WEARING ON SARS-COV-2 INFECTION RISK

Effectiveness of Mask Wearing to Control Community Spread of . Retrieved April 16, 2021, from https://jamanetwork.com/journals/jama/fullarticle/2776536

SCIENCE BRIEF: TRANSMISSION OF SARS-COV-2 IN K-12 SCHOOLS
3/19/21

SCIENCE BRIEF: TRANSMISSION OF SARS-COV-2 IN K-12 SCHOOLS. (2021, MARCH 19). RETRIEVED APRIL 19, 2021, FROM HTTPS://WWW.CDC.GOV/CORONAVIRUS/2019-NCOV/SCIENCE/SCIENCE-BRIEFS/TRANSMISSION_K_12_SCHOOLS.HTML

- A STATEWIDE ANALYSIS OF FLORIDA K–12 SCHOOLS, (NOT ALL SCHOOLS HAD MASK REQUIREMENTS OR PHYSICAL DISTANCING REQUIREMENTS BETWEEN DESKS), ALSO FOUND LOW RATES OF SCHOOL-ASSOCIATED TRANSMISSION.
- HIGHER RATES AMONG STUDENTS WERE OBSERVED IN DISTRICTS WITHOUT MANDATORY MASK-USE POLICIES AND THOSE WITH A HIGHER PROPORTION OF STUDENTS ATTENDING IN-PERSON LEARNING. THESE FINDINGS PROVIDE FURTHER EVIDENCE FOR THE EFFECTIVENESS OF UNIVERSAL MASKING ESPECIALLY WHEN PHYSICAL DISTANCING CANNOT BE ACHIEVED.
- A STUDY OF 58 K–12 SCHOOLS CONDUCTING FULL IN-PERSON INSTRUCTION IN MISSOURI, WHERE MASK USE WAS REQUIRED AND 73% OF SCHOOLS USED DISTANCES OF 3-6 FEET BETWEEN STUDENTS, FOUND THAT SECONDARY TRANSMISSION WAS RARE.

SCIENCE BRIEF: TRANSMISSION OF SARS-COV-2 IN K-12 SCHOOLS 3/19/21
CONCLUSIONS

- When community rates of COVID-19 are high, there is an increased likelihood that SARS-CoV-2 will be introduced to, and potentially transmitted within, a school setting.
- Evidence to date suggests that when schools implement prevention strategies with fidelity, transmission within schools can be limited.
- Reducing transmission in schools is a shared responsibility. A combination of effective prevention strategies (including consistent and correct use of masks; physical distancing; handwashing and respiratory etiquette; cleaning and maintaining healthy facilities; and contact tracing in combination with isolation and quarantine) implemented with strict adherence can limit transmission in the school setting.

UN-MASKING CHILDREN: PART 3 OF 4. MASK (IN) EFFECTIVENESS IN LIMITING COVID-19 TRANSMISSION

BURNS, E. (2021, MARCH 11). UN-MASKING CHILDREN: PART 3 OF 4. MASK (IN)EFFECTIVENESS IN LIMITING COVID-19 TRANSMISSION. RETRIEVED APRIL 19, 2021, FROM HTTPS://WWW.THESMILEPROJECT.GLOBAL/POST/UN-MASKING-CHILDREN-PART-3-OF-4-MASK-IN-EFFECTIVENESS-IN-LIMITING-COVID-19-TRANSMISSION

- CHILDREN ARE NOT MAJOR SOURCES OF TRANSMISSION.
- GIVEN THE WAY CHILDREN WEAR MASKS-ALMOST ALWAYS WITH LARGE GAPS, CONSTANTLY UP AND DOWN-AND SEEING THE IMPACT OF GAPPING OR REMOVING MASK ON PARTICLE CAPTURE, IT IS NEARLY IMPOSSIBLE TO THINK THAT THE REASON SCHOOLS HAVE NOT BEEN MAJOR SOURCES OF TRANSMISSION IS DUE TO MASKS.
- THE EMPIRICAL EVIDENCE IS VERY STRONG THAT THERE IS NO POSITIVE IMPACT ON UNIVERSAL MASKING REDUCING COVID-19 TRANSMISSION.

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Burns, E. (2021). Un-masking children: part 3 of 4. Mask (in)effectiveness in limiting covid-19 transmission. Retrieved april 19, 2021, from https://www.thesmileproject.global/post/un-masking-children-part-3-of-4-mask-in-effectiveness-in-limiting-covid-19-transmission

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Mahase, E. (2020). Covid-19: What is the evidence for cloth masks? | The Bmj. Retrieved April 16, 2021, from https://www.bmj.com/content/369/bmj.m1422

Brooks, J., & Butler, J. (2021). Effectiveness of mask wearing to control community spread of SARS-COV-2. Retrieved April 16, 2021, from https://jamanetwork.com/journals/jama/fullarticle/2776536

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CURRENT SRC "REAL-TIME" COVID-19 DATA

DATA

MEDICAL COMMUNITY

Dr. Randall Reese, MD

Dr. Joel Rudman, MD

Dr. Timothy Boyett, MD

MEDICAL COMMUNITY

Santa Rosa County Pediatric Research/Inquiry

What is your opinion of mask usage for school-age children in the classroom when social distancing is not possible?

Response from Laura Maupin, FNP-BC
"Continue to use mask and use correctly, physical distances to be maximized to the greatest extent possible, continue to educate proper handwashing."

Response from Kevin Maupin, MD (Pediatric Pulmonologist)
"Follow CDC and American Society of Pediatrics recommendations (see reference)

Do you think that face covering are unsafe or unhealthy for children?

Response from Laura Maupin, FNP-BC
"No, especially if the integrity of the mask or covering is cleaned regularly, and please wear properly."

Response from Kevin Maupin, MD (Pediatric Pulmonologist)

"Integrity of mask must be maintained."

MEDICAL COMMUNITY

Santa Rosa County Pediatric Research/Inquiry

Which age groups do you feel face covering should still be worn if people can't social distance?

Response from Laura Maupin, FNP-BC
"ALL age groups and ALL staff and visitors. COVID-19 does not discriminate."

Response from Kevin Maupin, MD (Pediatric Pulmonologist)
"ALL"

Additional note from Laura Maupin, FNP-BC
"in reference to student desk- Please keep the hand sanitizer on each student's desk. Take breaks throughout the day to remind students it's a "time out for 3 minutes to sanitize hands."

References from Dr. K. Maupin

- CDC Guidelines
  - Evidence suggests that many K-12 schools that have strictly implemented prevention strategies have been able to safely open for in-person instruction.
  - CDC's K-12 operational strategy presents a pathway for schools to provide in-person instruction safely throughout consistent use of prevention strategies, including universal and correct us of masks and physical distancing.

MEDICAL COMMUNITY

References from Dr. K. Maupin

- CDC Guidelines
  - Evidence suggests that many K-12 schools that have strictly implemented prevention strategies have been able to safely open for in-person instruction.
  - CDC's K-12 operational strategy presents a pathway for schools to provide in-person instruction safely throughout consistent use of prevention strategies, including universal and correct us of masks and physical distancing.
  - All schools should implement and layer prevention strategies and should prioritize universal and correct us of masks and physical distancing.

  https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/operation-strategy.html

  - Face Mask Guidance
  - The AAAP's updated interim guidance on face masks (previously called cloth face coverings) continues to recommend the consistent and correct use of well-fitting face masks by children 2 years of age and older to help reduce the spread of SARS-CoV-2.
  - "During the COVID-19 pandemic, plans for the safe return of children to school, child care, and other group settings must include the universal use of face masks by children 2 years of age and older and the adults with whom they interact, ' the guidance states.

  American Society of Pediatrics

  Https://pediatrics.aappublications.org/

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