CME and CE Information

In support of improving patient care, this activity has been planned and implemented by the School-Based Health Alliance and Moses/Weitzman Health System, Inc. and its Weitzman Institute and is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.



Through Joint Accreditation, credits are also available under the following bodies:

- American Academy of PAs (AAPA)
- American Dental Association's Continuing Education Recognition Program (ADA CERP)
- American Psychological Association (APA)
- Association of Social Work Boards (ASWB)
- Commission on Dietetic Registration (CDR)

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A Flexible, Innovative, Datadriven Program that Improves Student Outcomes & Fosters Growth & Sustainability

SBHA Conference 2024

Azeema F. Vogeler, PhD and Monica San Jose, Ed.D.







Agenda

Introduction (5 minutes)

- Hawai'i Keiki Background
- Hawai'i DOE schools
- Importance of Data to improve student outcomes

Improving Student Outcomes, Fostering Growth and Sustainability

- Why do we collect data? (5 min)
- What data we collect and why we collect it? (15 min)
- Workshop Sharing Activity (10 min)
- How do we collect our data? (20 min)
- Data cleaning and customization (5 min)
- How do we share our data? (10 min)
- How we use data for growth and sustainability? (10 min)
- Wrap Up and Q&A (10 min)



Respect
We deliver on our mission
and vision from a place of
compassion with

HEART and ALOHA

Mission: Hawai'i Keiki provides school based healthcare services to improve health, wellness and access to care to ensure keiki are healthy and ready to learn

Advocacy

A community of KOKUA sacrificial help & support) to improve the health and wellness of Hawaii's Keiki "Ho'opili Olakino"

2023 www. alchemy strategy. com 303. 881. 9879

History of Hawai'i Keiki

Beyond School Nursing to School Based Healthcare



Program grew from 4 nurses to 18
• 14 APRNs, 4 RNs



DOE received CARES funding to place a COVID Resource RN in each CA (33 total HK nurses); Health Hotline & Virtual Health Program

• 14 APRNs; 19 RNs



2022

17 APRNs; 42 Complex RNs; >160 SHSS; 2 MH staff; 1 RDH

Initiated Oral Health Program

2019

DOH-DOE MOA to expand HK for an RN in each Complex*; Mental Health Practitioner; Summer support

DOE: ESSER III funds to implement School Health Support Staff (SHSS) within HK to manage testing programs and extend HK impact

2021

17 APRNs, 39 Complex RNs, 100 HT, 5 MH staff, 1 RDH

Expansion to 11 charter schools with 11 health technicians, **4 RNs**, **1 APRN** and 1 program manager

2023

HIDOE Hawai'i Public Schools

Currently 258 public schools operate in Hawai'i:

Oʻahu: 169

• Maui: **26**

Hawai'i: 41

• Kauaʻi: **15**

Moloka'i: 5

• Lāna'i: 1 Grades Served:

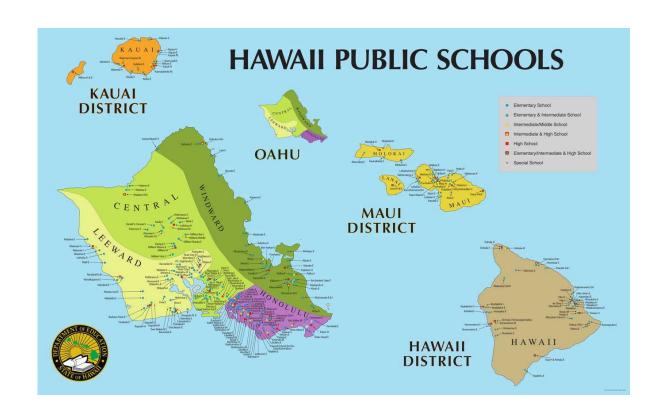
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IS/Mid: 39

• High: 34

El-Mid/Mid-Hi: 10

7 are K-12



Enrollment: 167,649

Smallest: 17 Largest: 2,872

What We Hope You Will Gain From Today's Workshop

- Compare your own school-based health service model to the Hawai'i Keiki: Healthy & Ready to Learn model
- Demonstrate at least one new way you can use data to help deliver better health care outcomes in your school/state

Importance of Data

"Data-driven decision-making can be a critical tool to address health disparities, enhance student success, and promote equitable outcomes."

Why Do We Collect Data?

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Join at slido.com #2315 972

Why do we collect data?

Active poll

Why Do We Collect Data?

Program Goals:

Goal 1: Reduce preventable health-related chronic absenteeism and minimize interruption to instructional time

Goal 2: Enhance wellness in the school environment and community

Goal 3: Promote optimal student health through preventive screening & effective services for chronic health conditions

Goal 4: Collaborate with community partners and organizations to provide coordinated school health programs, services & resources

Goal 5: Promote the nursing profession

Why Do We Collect Data?

Specific objectives for growth and sustainability

- Support data entry of school attendance requirements
- Help families with:
 - Completion of school entry requirements
 - Referral to PCP
 - Referral to dentist and other health providers
 - Sign up for medicaid
- Promote equitable services throughout the state
- Meet contract deliverables with HIDOE
- Support necessary health policy changes in the state legislature

What Types of Data Do We Collect?

Health Room (Clinic) Data













Student Trainings



Community Events



Staff Trainings



EAPs/IEPs/504s



What Data Points Do We Collect?

- Visits to the nurse
- Visits to the Aide/Tech
- Aide/Tech referrals to nurse
- Main complaint, discharge etc.
- Referral to PCP, dental, mental health etc.
- Virtual/telehealth visits data
- Screenings
- Calls to the hotline

- # of IEPs/EAPs/504s
- # of School Admin consults and other support
- # of educational presentations/training sessions to school administration, student and community
- # screenings (vision, hearing, dental, others)
- # of school and community health fairs/events
- # of collaborations with community stakeholders to improve health and well being in schools and the communities
- # of COVID testing

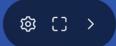
What Data Points Do You Collect?



♥ Active poll 0 음

What data points do you collect?

Join at slido.com #2315 972



How Do We Collect Data Sustainably?

- Using free data collection tools, HIPAA compliant
 - Integrated collection with staff members
 - Linked spreadsheets

Data Collection Tools

Infinite Campus Health Module

- Office Visits Section
- Screening Section
- Contact Log section

Google Sheets

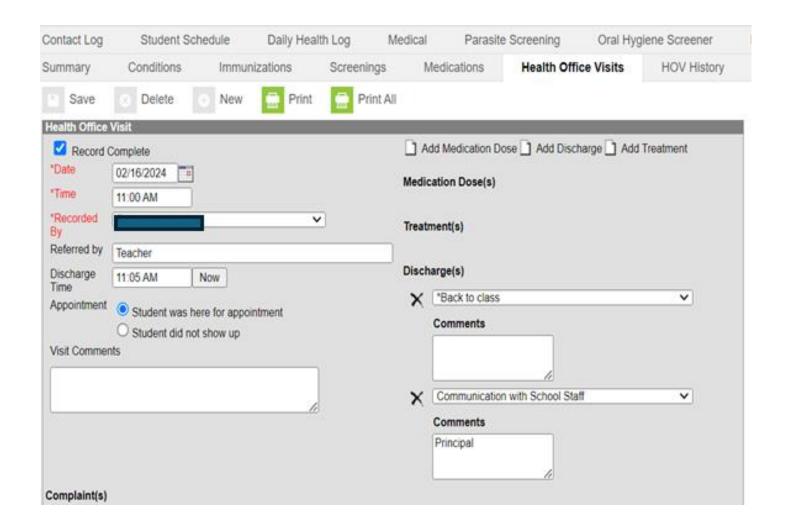
- Nurses with schools sites and working statewide (n=58) submit as needed/on monthly basis
- Data from nurses and HT google sheets are compiled in a joint master sheet

Google Forms

- All Health Techs working at complex schools (n=82+) submit on a weekly basis
- Program evaluation by staff
- Program evaluation by school administrations

EPIC

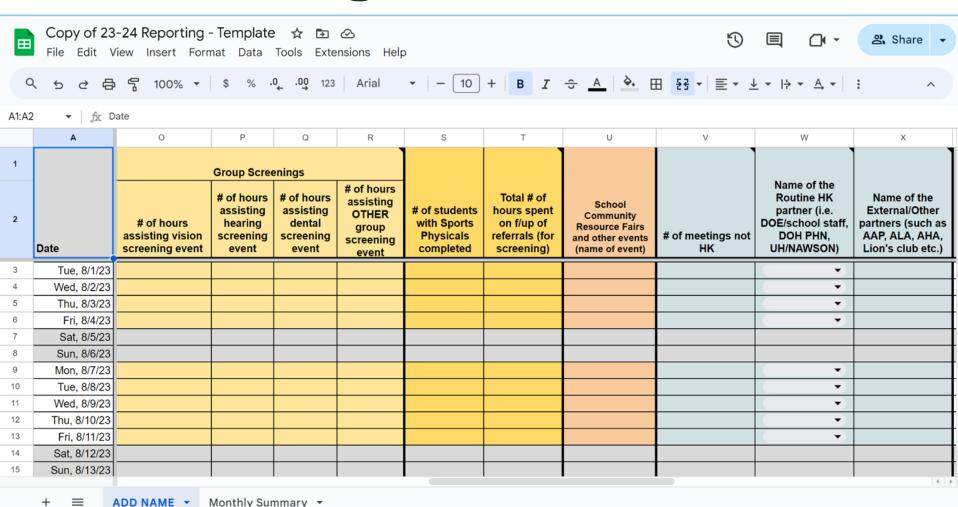
Clinical Data



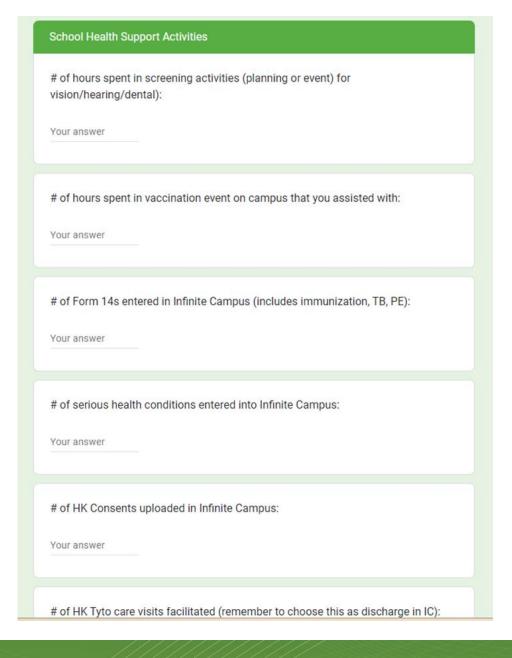
Nurse - Google Sheets

June													
Α	В	С	D	E	F	G	Н	I	J	K	L	М	
	Individual Healthcare Plan Enter appropriate information regarding education presentations YOU provided. Enter School Health					resentations	Educational Presentations/Training						
Date	IHPs (# completed)	EAPs/IEAPPs (# completed)		SH-36 (# completed)		in col P. Training aff need not be r " C. contacts with SHAs		Topic	# of SHAs trained	# of DOE staff trained (admin, teachers, other staff, etc.)		# of others (ie family, non-DOE staff) trained	# c Ac s par
Sun, 11/26/23													
Mon, 11/27/23						1		-					
Tue, 11/28/23								(
Wed, 11/29/23					2			EAP (medical emergencies-Epipen/V altoco/Glucagon/MDI usage)	1	18			
Thu, 11/30/23						1		CPR (not with narcan) ▼			180		
Nov TOTALS	0	0	0	0	11	6	3	EAP (medical emergencies-Epipen/Valtoco/ Glucagon/MDI usage) EAP (medical emergencies-Epipen/Valtoco/ Glucagon/MDI usage) CPR (not with narcan)	1	34 18	180		
Fri, 12/1/23								<u> </u>					

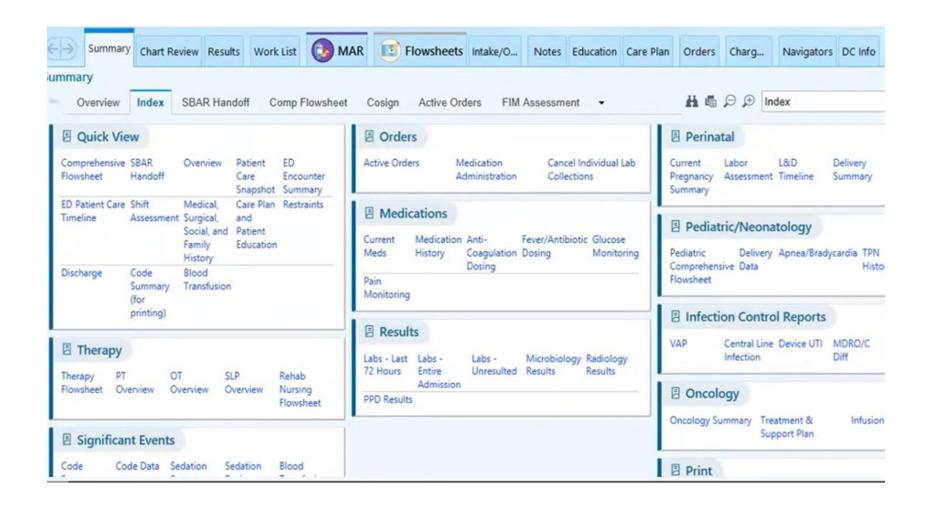
Nurse - Google Sheets



Health Technician Google Form



APRN - EPIC



Sustainable Tools

Evolution of master spreadsheet

- Individual RN charting
- Using free tools-google: forms/sheets
- Making it easier and more efficient for nurses

Result: Data processing is now faster for the leadership and analytical side

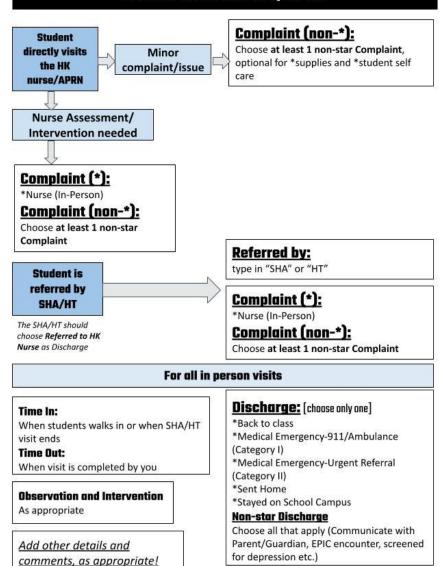
Charting Challenges

- Charting in four different places
- Using paper notes in time crunch
- Resulting gaps in charting

Charting Improvements

- Time
- Provide nurse training and support on systems
- Create workflows, highlighting important information
- Get buy-in from school administration and staff

IC Office Visit Charting Hawaii Keiki Nurses/APRN



Data Cleaning and Customization

Clinical data is reviewed on a weekly basis and checked for errors:

- Emails are sent to users for correction
- Monthly review of the error correction to remind users
- Guidances sheets are shared with users to help them with correct documentation of data
- Users with more errors and particular areas with more errors are identified for refresher training

At the beginning of the SY, 15% of data had errors which went down to 4% with feedback.

Data Cleaning and Customization

Infinite Campus Charting Adjustments Explained

SY 2023-2024

1. Missing Non-Asterisks Complaint

- a. Each Health Office Visit (HOV) that is charted, should include at least One Non-Asterisks Complaint,
 - Please see the list of the different options to choose from that may fit each student's situation.

Non-Asterisks Complaint Items

2. Missing Asterisks Discharge

a. Each Health Office Visit (HOV) should include ONE Asterisks Discharge.



*Medical Emergency-911/Ambulance (Category I) Medical Emergency-Urgent Referral (Category

*Not Applicable *Referred to Nurse HK *Sent Home *Staved on School Campus

 Please see the list of the different options to choose from that may fit the student's situation.

ii. Please also note that HOV's with MORE THAN ONE Asterisks Discharge will result in an error. To avoid this error, please make sure that you are charting only One Asterisks Discharge.

3. Missing Discharge Time

a. Each HOV MUST include a Discharge Time. Discharge Time will/should be recorded when the child is going back to class, going home with Parent/Guardian, handed over to a different Staff member (i.e. Counselor, HK Nurse, Principal, etc.), etc.

4. Time Conflict

- a. Students who visit the Health Room should be charted within School hours.
 - No Students should be charted in IC before or after usual School Hours.
 - ii. However in special circumstances, students may be charted earlier in the school day or may also be charted at a later time. For these circumstances, please reach out to the following people listed on the side.
 - iii. Please Correct Time Stamp (AM or PM) if accidentally charted wrong.
- b. Visit Duration areater than 7 hours
 - i. HOVs should be charted within school hours (around 6.5 hours)
 - 1. In special circumstances where a child is in the health room for longer than 7 hours, please notify one of the following people listed above.
- c. Visit Duration is zero minutes
 - i. Visit Needs to be charted for at least 1 minute. Even if the student went to the Health Room for a very short amount of time, it still needs to be logged as at least a minute long visit.

School Holidays and Breaks SY 23-24

Aug. 18: Statehood Day Sept. 4: Labor Day Nov. 10: Veterans Day (Observance) Nov. 23-24: Thanksgiving and School Dec. 25: Christmas Jan. 1: New Years Day Jan. 5: Teachers Workday (No Students) Jan. 15: Dr. Martin Luther King Jr. Day Feb. 19: Presidents Day

Mar.26: Prince Kuhio Day Mar. 29: Good Friday May 27: Memorial Day May 30: Last Day for Students

Oct. 9-13: Fall Break Dec. 22- Jan.4: Winter Break Mar. 18-22: Spring Break

Feb. 12-16: Institute Day (One Day with No Students during this week. Date for each island TBD)

Who to Contact?

Azeema Vogeler Yvette Akamu

Christyna Alcantara

5. Visit is charted on a Weekend, School Holiday and School Break

- a. Please make sure when charting, that you have the correct day. No HOV should be on a weekend, school holiday or school break, as theres no students in session
- In special circumstances where your school is on a track system, please let me know if I accidentally had given you an email when students were in school.

Data Cleaning and Customization

6. Unchecked "Record Complete" Box

- After you are done inputting the necessary information, please check the box in the upper left hand corner. This will indicate to others that you are done charting.
 - However if you do have errors, you can uncheck the record complete box, make the corrections and recheck the box.

Health Office Visit ✓ Record Complete

7. Duplicated Visit Charted (Same Day and Same Start Time for a Student)

- a. There should only be <u>ONE visit charted for each student</u>. If the student came into the classroom 2 or 3 times in a day, each time should be charted separately.
 - i. Please refer to the Deletion Guide or contact DOE IT Help Desk for Assistance.

8. SHA/Sub-SHA/HT using Nurse Drop Down options

- a. School Health Aides (SHAs) Substitute School Health Aides (Sub-SHAs) and Health Technicians (HTs) SHOULD NOT BE USING NURSE DROP DOWN OPTIONS. These options were created specifically for the HK Nurses to use.
 - i. If you have any questions on this please feel free to contact:
 - 1. Sarah Mercado (SHAs)
 - 2. Azeema Vogeler (SHAs and/or HTs)
 - 3. Yvette Akamu (HTs)

Only HK Nurse Options Complaint List *Nurse (In-Person) *Nurse (Tele-Health) *Nurse (TytoCare) *Nurse Telephone Triage Discharge List *Not Applicable EPIC Encounter EPIC Medication or Medication (HK, APRN) Screened for Depression Vaccine Administered Diagnostics Test Performed by School Based Clinical

SY 23/24 Impact: Supporting Health and Learning

- 20,245 Nurse visits
- 56,420 Health Tech visits
- 75% students sent back to class
- Students spend 26 min on average with a HK nurse
- Nurses provide support with creation of IEPs/EAPs and other IHPs to ensure students learning in school is not disrupted
- Partnerships with community organizations to help students and schools with screenings and trainings

Data Visualization and Sharing

Data visualization (identify trends)

- Infographics annual report
- Dashboards

Social media posts (community and culture)

Flyers and information materials for schools, community stakeholders, legislators, etc (buy-in)

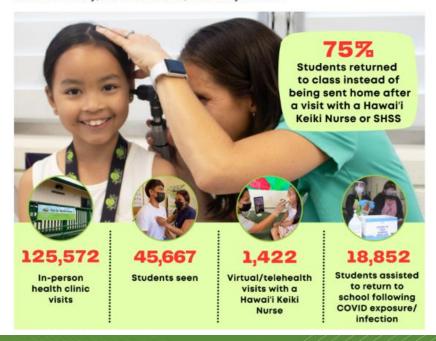
Annual Report (Infographic)

Activity & Impact (Goal 1)

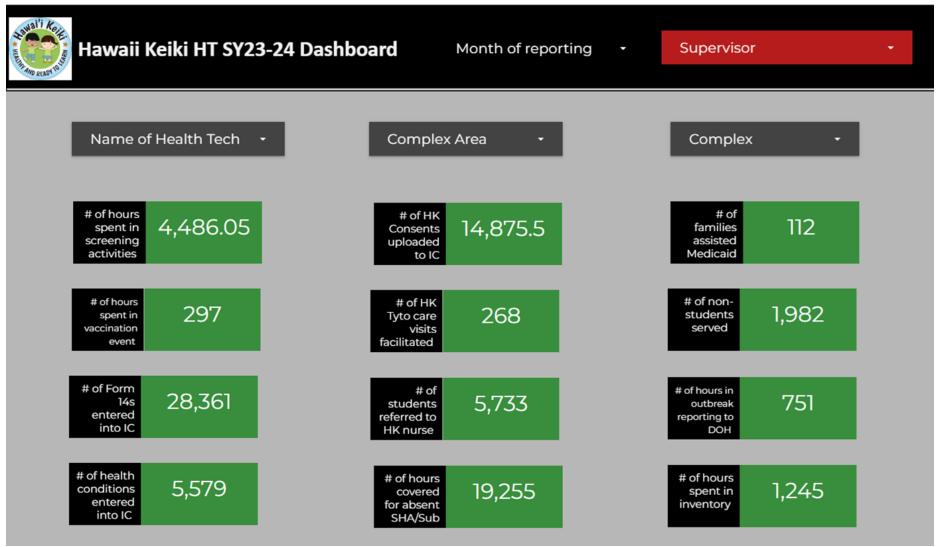
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Goal 1: Reduce preventable health-related chronic absenteeism and minimize interruption to instructional time

Hawai'i Keiki believes that students must be in school to learn and reach their full potential. Our teams of Nurse Practitioners (APRN), Registered Nurses (RN) and School Health Support Staff (SHSS) work collaboratively with the Hawai'i Department of Education to bring health services (both in-person and virtually) to keiki at school. By providing health services at school, our staff minimizes lost instructional time and eliminates the challenges parents face with taking time off work and traveling to medical appointments. We always connect back with the student's Primary Care Provider to ensure continuity of care is maintained to keep our keiki healthy, in the classroom, and ready to learn.



Dashboard (Identify Trends)



Social Media

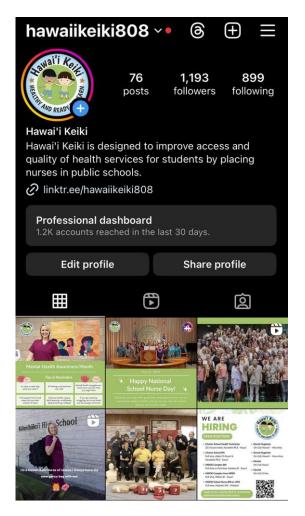
Community & culture







@HawaiiKeiki



Flyers (Stakeholders' Buy-In)

Hawai'i Keiki Health Technicians

What is a Health Technician?

An allied health professional (community health worker, nurse aide, or medical assistant) that can provide direct care, assist nursing staff to increase the efficiency of health care services and improve access to care.

Health Technician Duties

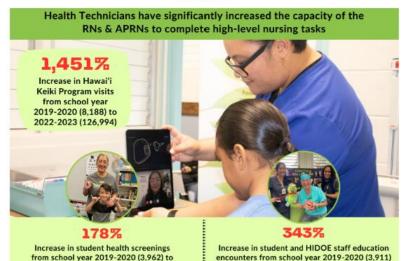
Under the supervision of a Hawai'i Keiki nurse, Health Technicians:

Provide mobile health services to high-need schools

2022-2023 (11,027)

- Assist with health screening efforts
- Support HIDOE staff, parent, and student health education

- On-site health room visits
- Facilitate virtual nursing visits
- Implement nursing orders









Data Visualization and Social Media Share on padlet.com and 10 Min Break



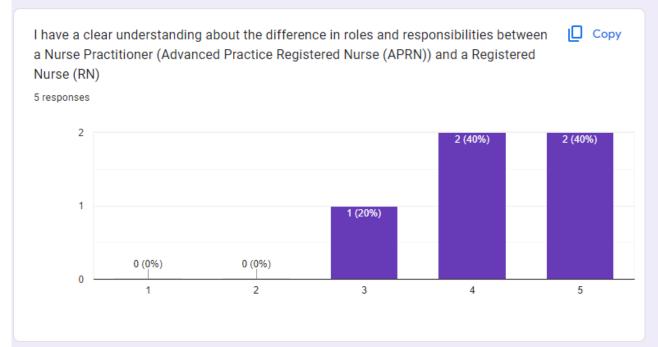
How do we collect data for growth and sustainability?

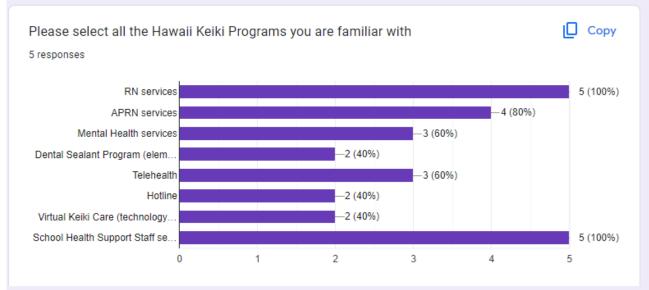
- Principal and School Administration Survey for the school community
 - Annual Hawai'i Keiki Survey for our program staff

Survey with School Level Administrator

-Complex Area Level







What are your three top health and wellness priorities for 2023-2024 school year?
Long answer text
List 1-3 ways Hawaii Keiki impacts the Complex Area environment and student success
Long answer text
•
:::
What additional activities would you like to see the Hawaii Keiki program participate in during the 2023-2024 school year?
2020 2024 0011001 year.
Long answer text
Is there anything else you would like to share about the Hawaii Keiki Program?
Long answer text



Survey with School Level Administrator

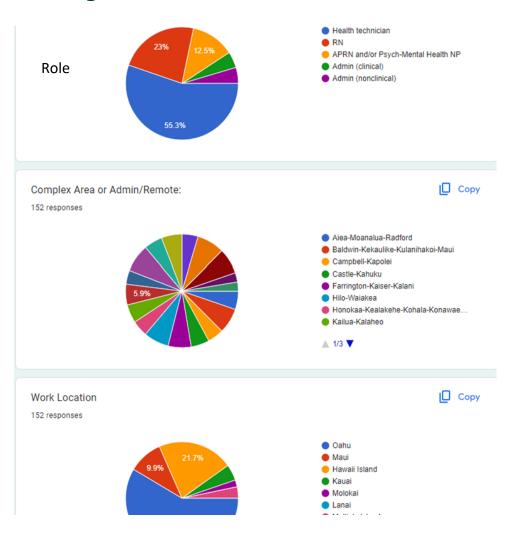
- School Clinic Level

Hawaii Keiki Nurse	× :									
These questions are to evaluate your Hawaii Keiki Nurse and support within your school. Please rate your level of agreement/disagreement with the following statements										
Demonstrates cooperation and collaboration with school administrators										
	1	2	3	4	5					
strongly disagree	0	0	0	0	0	strongly agree				
Demonstrates a positive working relationship with the SHA										
	1	2	3	4	5					
strongly disagree	0	0	0	0	0	strongly agree				
Is punctual and reliable										
	1	2	3	4	5					
strongly disagree	0	0	0	0	0	strongly agree				
Communicates effectively with students and families										

Annual Staff Survey

How we conduct and use the survey:

- Sort by length of time, role and location
- Data collection and analysis by third party
- Goal setting for the new year



Annual Staff Survey

Focus Areas

- Culture
- Communication
- Clinical Operations



Wrap Up

- Compare your own school-based health service model to the Hawai'i Keiki: Healthy & Ready to Learn model
- Demonstrate at least one new way you can use data to help deliver better health care outcomes in your school/state

Q&A

Mahalo nui loa

Thank you for your kind attention.