



WASHINGTON STATE N95 EXCHANGE PROGRAM

Anind Dey
Kavi Dey
Jim Gochee
Andy Hamilton
Michael Myint

PURPOSE

Problem statement –

- During the Covid-19 pandemic, N95 masks are a scarce resource.
- N95 masks require fit testing for every individual to specific models of N95 masks.
- Many organizations have multiple models of N95 masks, some of which would be difficult to deploy due to fit testing requirements.
- **A method to exchange masks from organizations who have models to those who need certain models would allow effective and immediate improvement in the supplies of N95 masks.**

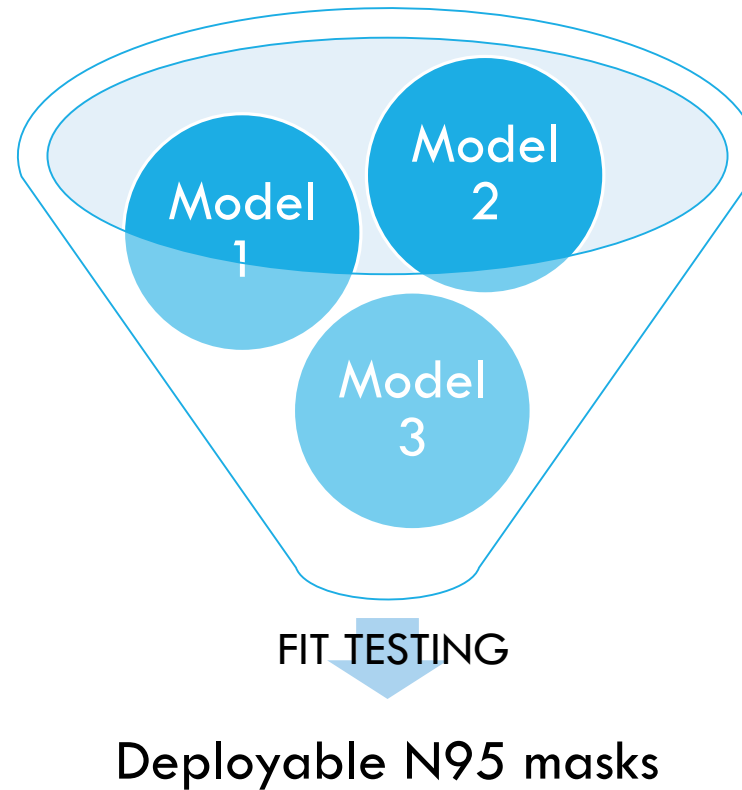
Solution –

- Given the diversity of N95 masks (MultiCare has over 22 models), there are masks that we have or want to deploy, and several models (SKUs) that we don't feel we would be able to deploy
- A program was created by Anind Dey, Kavi Dey, and Jim Gochee with help from WA state to create a portal to facilitate exchange of models of N95 masks
- Organizations can exchange masks that are not readily deployable for those that are.

PROBLEM — FIT TESTING IS REQUIRED TO UTILIZE N95 MASKS

N95 Fit testing

- Necessary for Aerosolized generating procedures
- Resource intensive
- Subject to availability of supplies
- Only cross-applicable to small sets of mask models
- Compliance concerns for ongoing fit testing



INTENT

Participant	Has Avail for Swap	Needs	Match Solution
Jim	250 of Type A	125 each of Types B and C	Give 125 each to Mike/Kathy
Mike	250 of Type B	125 each of Types A and C	Give 125 each to Jim/Kathy
Kathy	250 of Type C	125 each of Types A and B	Give 125 each to Jim/Mike



METHOD OF EXCHANGE

- Demo

RULES OF EXCHANGE (DRAFT)

Only Commercially purchased N95 masks will be exchanged

- No open box masks (such as from donation)
- No KN95 masks

Depending on coordination with WSHA and other entities, rules of how to list “Have” and “wants” to be determined.

Shipping will be covered by the sending entity – or by partners we are exploring options.

First round will be done in the next few weeks – will partner for notification with WSHA, DOH and other partner organizations

- Future rounds may depend on the success of the first round and new participants.

TIMELINE

Register for organization to participate

Day will be set for exchange

Logins will be distributed to all participants

Participants enter necessary “wants” and “needs”

Run exchange

Validate exchanges

Shipping of N95 supplies

Evaluate and consider if further rounds would be beneficial

THANKS TO THE TEAM

Anind Dey – UW professor, Computer Science

Kavi Dey – Programmer

Jim Gochee – Developer

Andy Hamilton – Supply Chain MultiCare

Mike Myint – ID epidemiology – MultiCare

DOH hosting resources and Kathy Lofy and Admiral Bono

Members from CHI Franciscans, EvergreenHealth, MultiCare, UW Health, Virginia Mason helped to test the system.

QUESTIONS?

