



WISCONSIN DEPARTMENT
of HEALTH SERVICES

From Zero to ~~72~~ 80 Million: The Inside Scoop on Receiving and Distributing PPE at the Wisconsin DHS RSS Warehouse



Office of Preparedness and
Emergency Health Care
March 8, 2022

Presenters

Kay Mittelstadt-Lock

COVID-19 Response-RSS Co-Lead

Medical Countermeasures Coordinator and Strategic National
Stockpile Coordinator

Office of Preparedness and Emergency Healthcare

Wisconsin Department of Health Services

Presenters

David Clerkin

Then:

Inventory Control Coordinator
State Records Center, Department of Administration

Temporary Interchange to DMA IMT: Warehouse Inventory
and Data Control Coordinator

Now:

Warehouse Logistics and Systems Planner
Office of Preparedness and Emergency Healthcare
Wisconsin Department of Health Services

Presenters

Zoe Gibbons

COVID-19 Receipt Stage Store (RSS) Distribution Lead
Office of Preparedness and Emergency Healthcare
Wisconsin Department of Health Services

Presenters

Caitlin Washburn

Then:

RSS Co-Lead (Reassigned) and State Trauma Coordinator
Office of Preparedness and Emergency Healthcare
Wisconsin Department of Health Services

Now:

Administrative Rules Coordinator
Office of Legal Counsel
Wisconsin Department of Corrections

Scope of Presentation

- We recognize that the COVID-19 response has required intense participation by numerous agencies.
- This presentation is focused specifically on “The Warehouse” operations.

Outline

- Initial Activation of the Receipt Stage Store (RSS) Warehouse (Kay)
- Allocation of Scarce Resources (Caitlin)
- Receiving and Material Packaging Processes (Zoe and Caitlin)
- Inventory Management Systems (David)

Outline

- Staffing for Warehouse Operations (Kay)
- Quality Assurance (Caitlin)
- Mass Distributions (Zoe)
- Ventilator Stewardship Program (David)
- Current Operations (David)

Pre-COVID-19 DHS Stockpile

- Inventory
 - Face masks
 - Respirators
 - Gloves
 - Coveralls
 - Cots
 - Screens
- Request process



Initial Activation of the RSS Warehouse

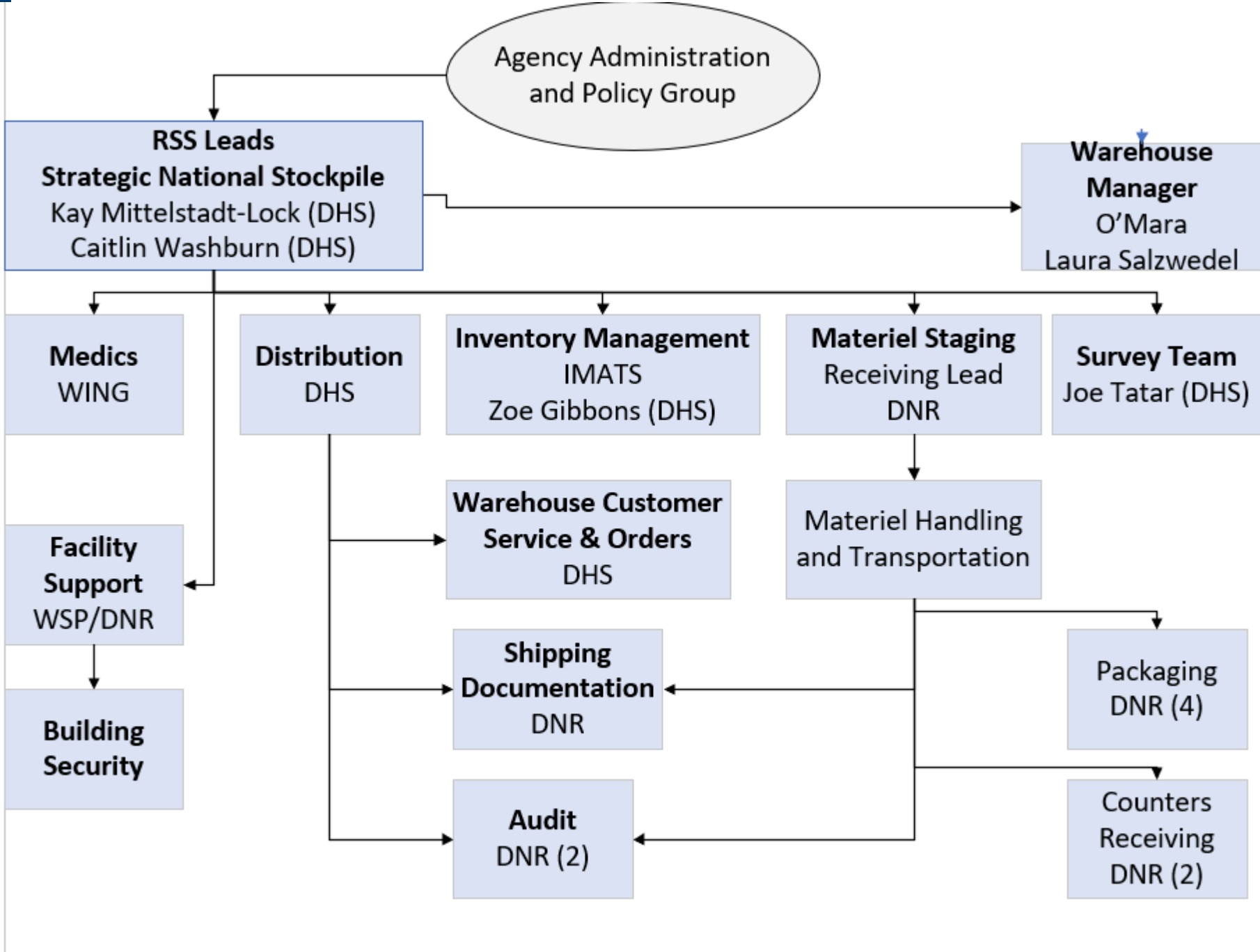
- Official activation to receive the Strategic National Stockpile (SNS)
- Meets requirements of the Assistant Secretary of Preparedness and Response (ASPR) SNS Program
- Strong security component

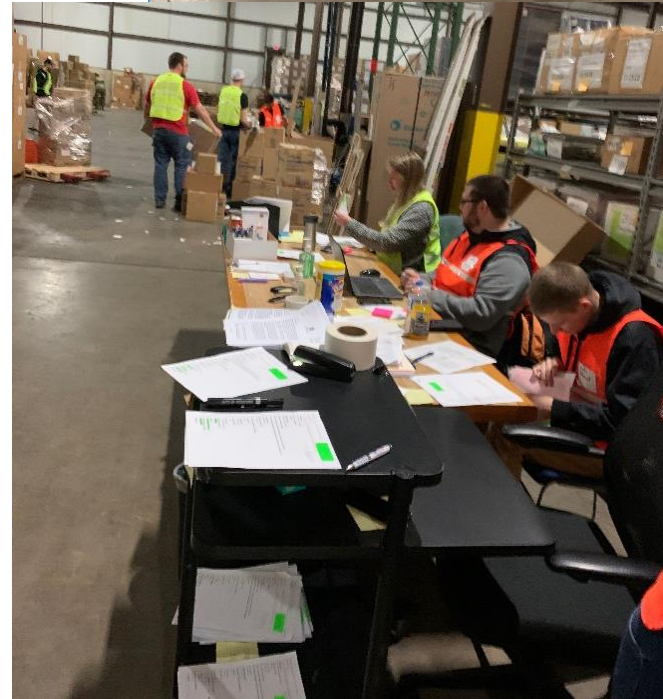
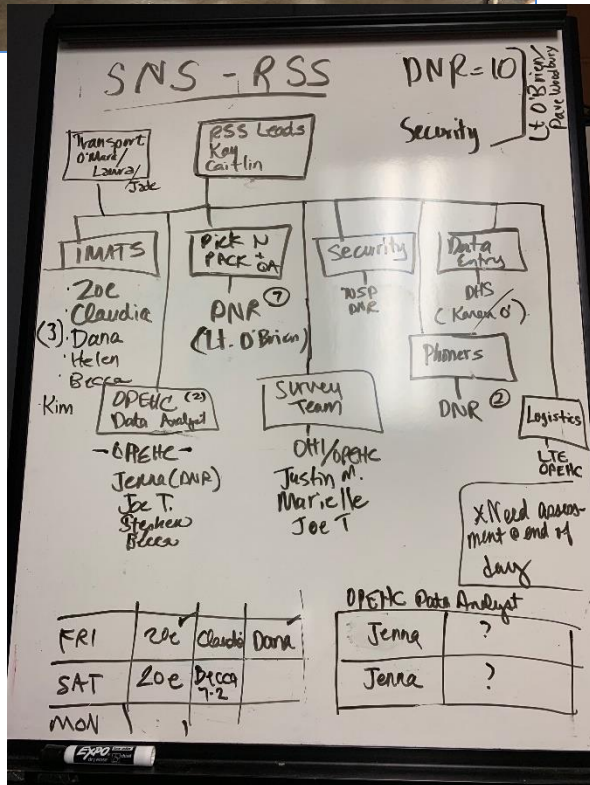
Strategic National Stockpile

- March 19, 2020: 25% pro rata allocation based on population
- March 29, 2020: 25% pro rata allocation based on population
- April 10, 2020: Remaining 50%
- March 12, 2020: Dear Recipient Letter from ASPR

SNS Totals

Category	Totals	Inventory Counts		
		SNS Shipment #1	SNS Shipment #2	SNS Shipment #3
N95 Respirators	165,250	53,160	52,920	59,170
Face and Surgical Masks	403,400	130,000	130,000	143,400
Face Shield	79,078	24,768	23,110	31,200
Surgical Gowns	106,602	20,286	20,226	66,090
Coveralls	2,202	96	96	2,010
Gloves	348,050	122,000	48,000	178,050





Allocation of Scarce Resources

Scarce PPE Allocation Decision Tree

Does the facility or agency meet **all** of the following criteria:

- Depleted supply or will be depleted in one week
- Impacted ability to ensure patient care and/or worker safety due to shortage or depletion
- Exhausted attempts to secure PPE from other sources
- Consistently implemented CDC strategies to optimize use of N95 respirators



Allocation of Scarce Resources

Three rounds:

- March 20–27
- March 29–April 4
- April 10–April 20



Procurement and Donations

- Initially lead by Incident Management Team
- Mirrored SNS distribution
- Used Wisconsin Air National Guard for material handling



Quality Assurance

- Non-surgical use only
- Non-medical use only
- Possible surgical use
- Contains latex
- Defective
- Hold
- Rejected

Receiving and Storage

Process

- Receipt
- Quality Assurance
- Documentation
- Storage





Warehouse Management Systems

- Inventory Management and Tracking System (IMATS)
 - March–April 2020
 - Development and maintenance—CDC
- Microsoft Access
 - April 2020–May 2021
- PeopleSoft Oracle
 - May 2021–Present
 - State Transforming Agency Resources

Data Requests and Daily Reports

- Daily reporting
 - Key stakeholders in Wisconsin Emergency Management (WEM), agencies, policy group
 - Inventory levels and distribution summary

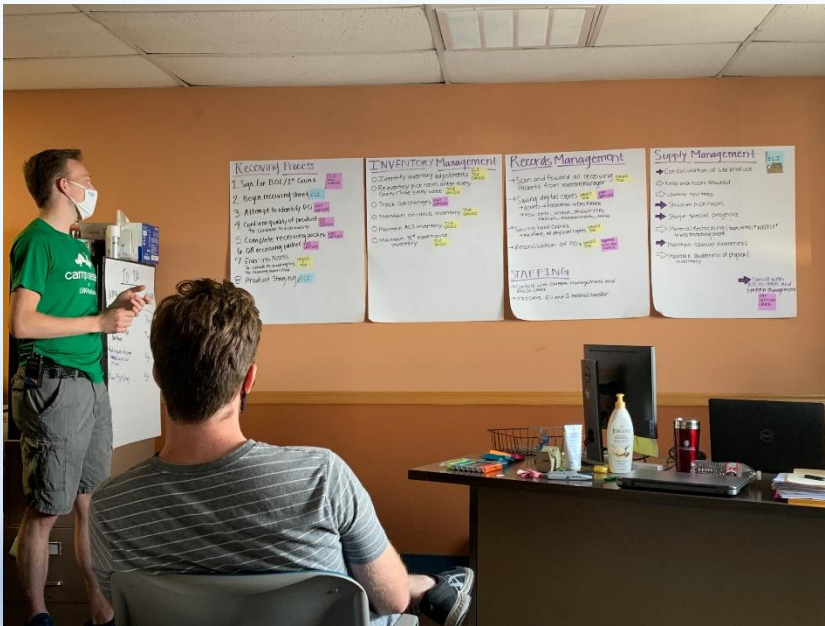
- Data requests
 - Open records
 - Fiscal reporting
 - Governor's Office
 - Legislature
 - Media requests

Alternate Care Facility

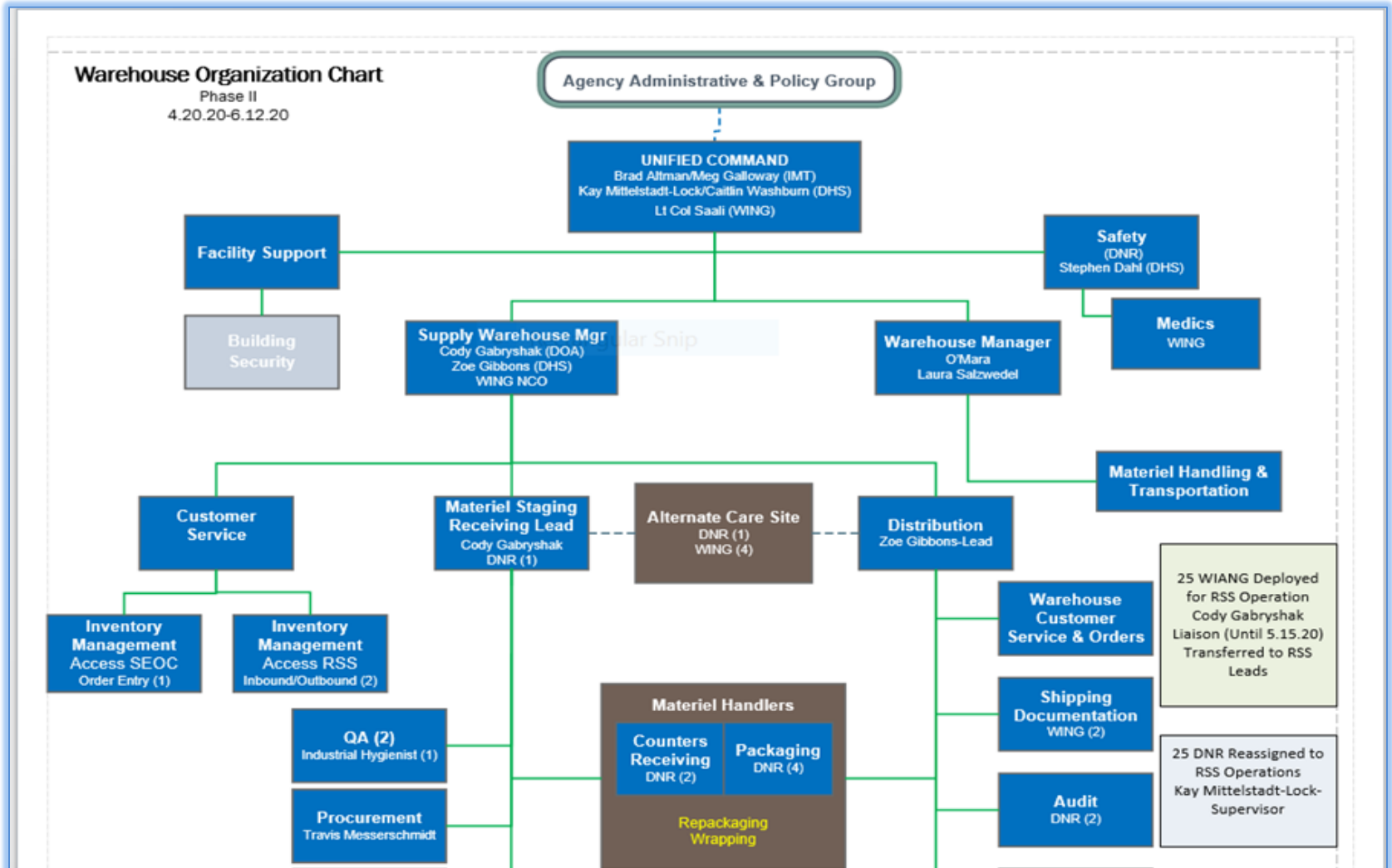
- Initiated April 2020
- Supplied through warehouse
Note: Inventory ordered and tracked separately
- Decommissioned April 2021
- Status up to present

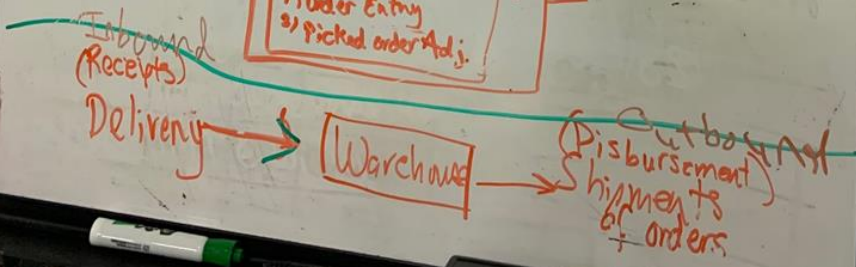
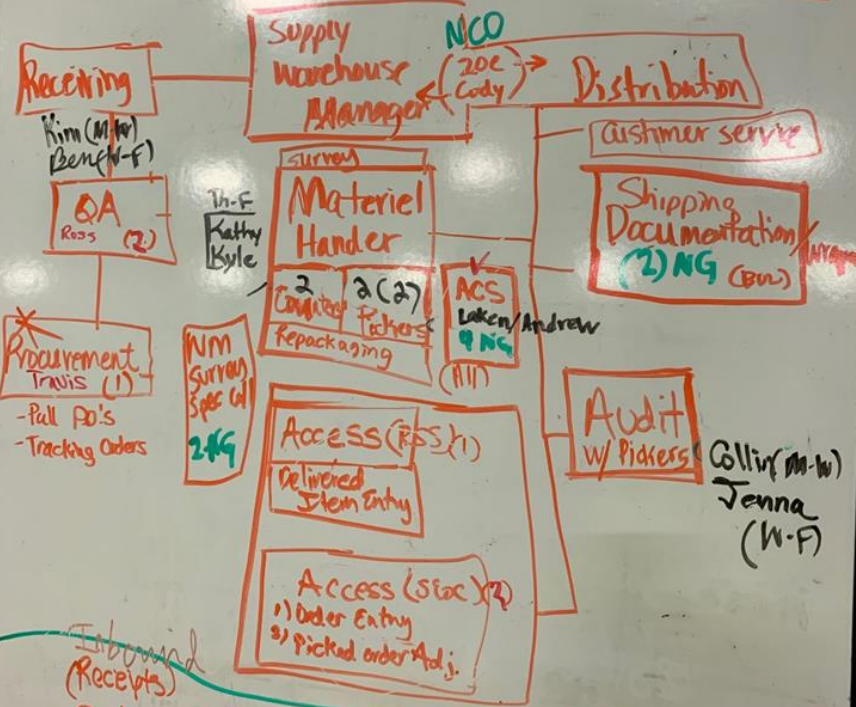
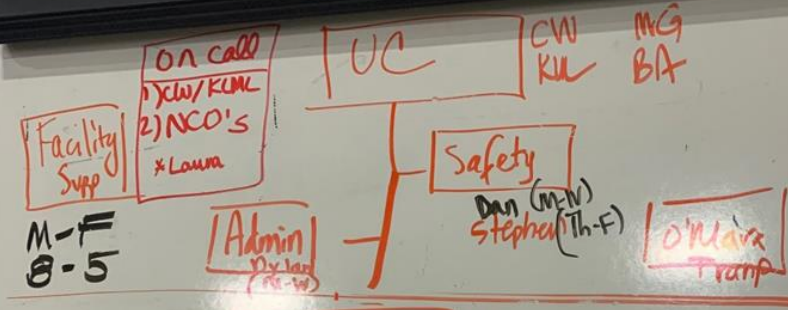
Continuous Quality Improvement

“Building the plane as we fly it.”

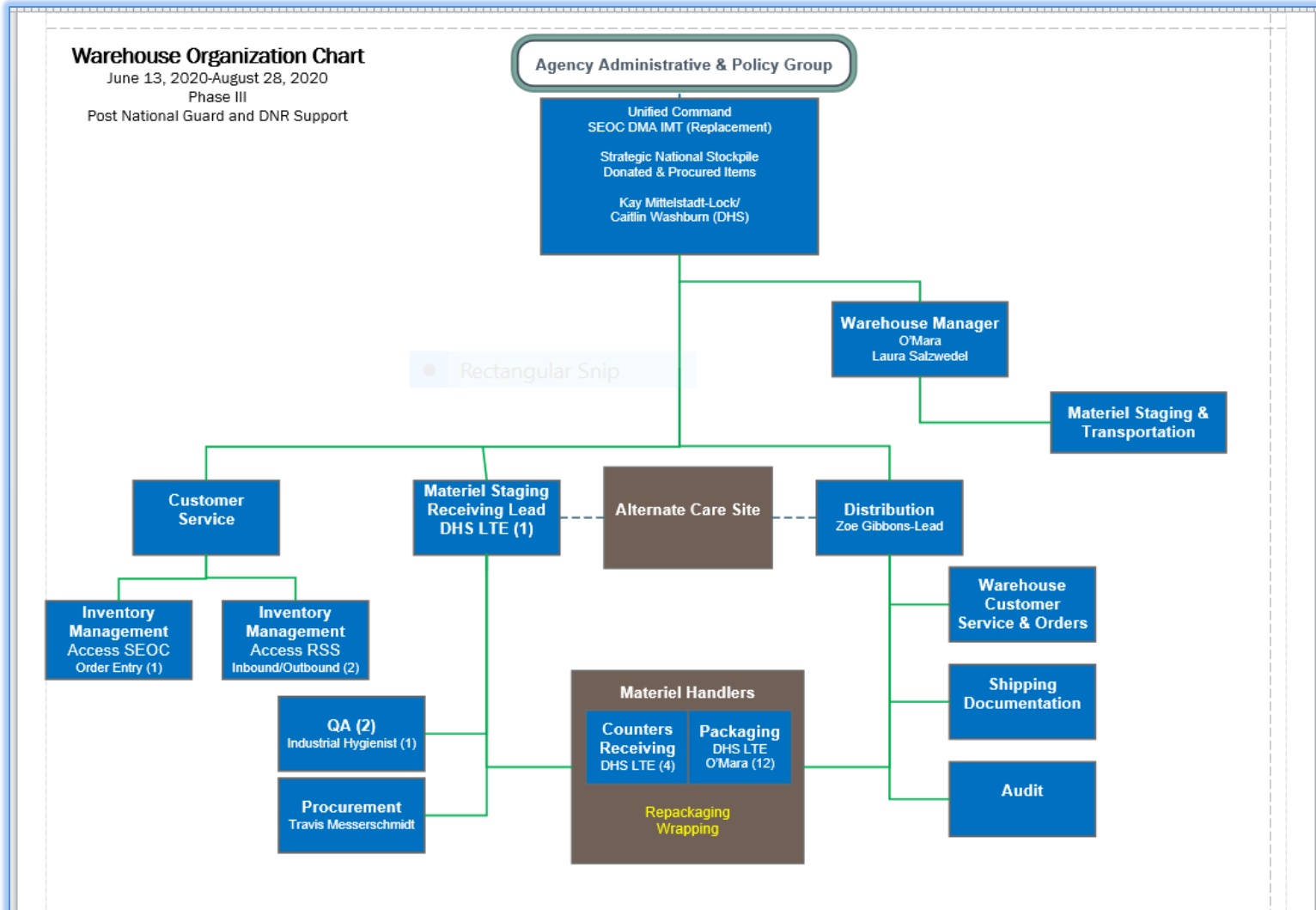


RSS Phase II: April 20–June 12, 2020

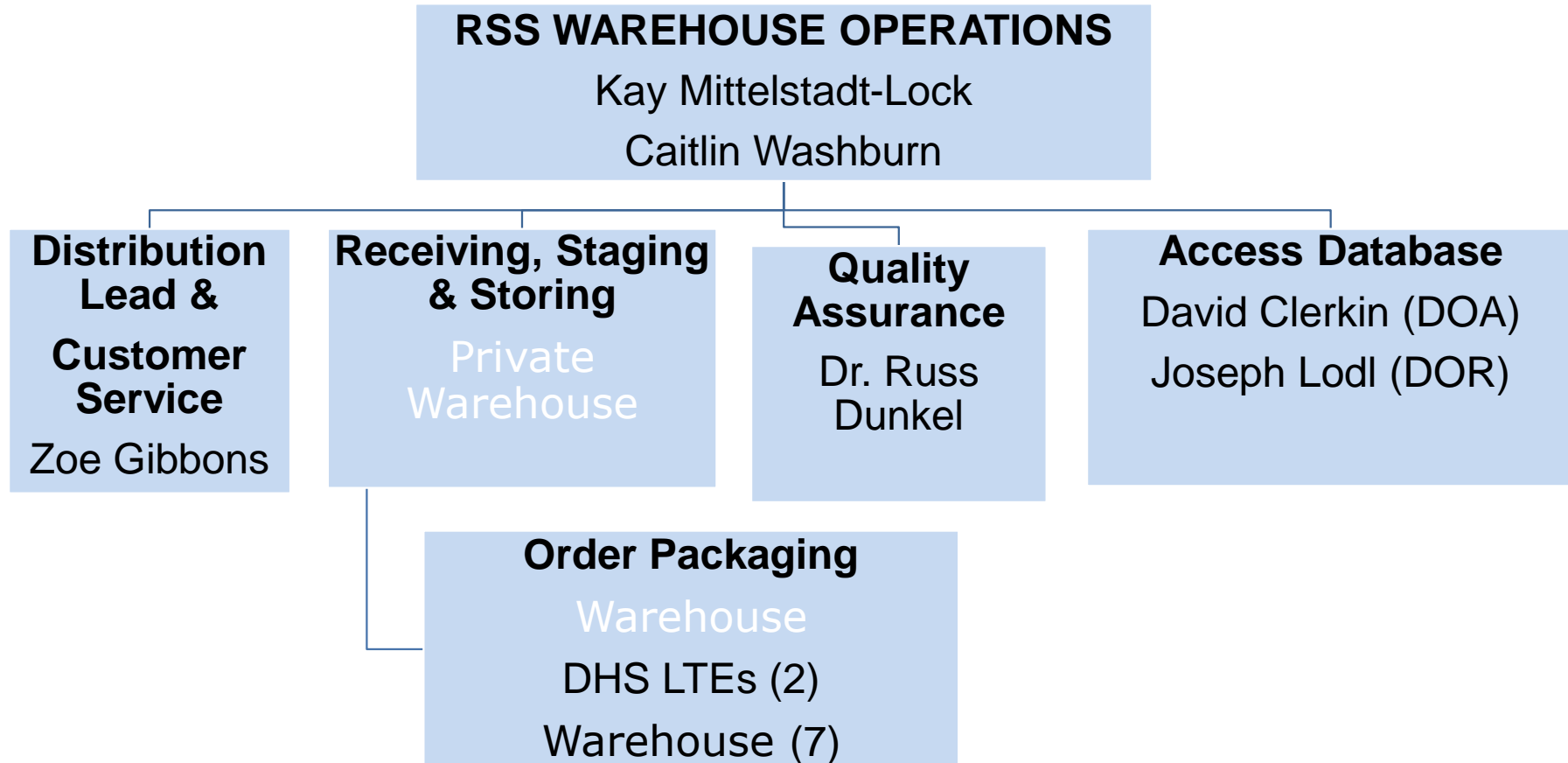




RSS Phase III: June 13–August 28, 2020



RSS Phase IV: August 28, 2020–February 2021





Material Package Processes and Transportation

- Picking process
- Shipping documentation
- Transportation



Partners

- ASPR
- BEOH
- BPAD
- BPC
- CAP
- CDC
- DCF
- DMA
- DNR
- DOA
- DOR
- DPI
- DQA
- FEMA
- HERCs
- HHS
- Immunization Program
- MCH
- OHI
- Private Warehouse
- VAL
- WEC
- WEM
- WIANG
- WIARNG
- WSLH

Supply Requests

- WEM, SEOC-EM, Tribal Health Centers weekly surveys
- Long term care urgent orders
- WING specimen collection
- Isolation facilities
- Wisconsin Elections Commission
- Vaccine hubs
- Mobile vaccine teams
- EMS agencies

Mass Distributions

- Public and private school districts: cloth face masks and thermometers
- State facilities: non-medical face masks
- School districts: face masks, face shields, KN95's
- Child care facilities: face masks, face shields, yard signs
- Long term care: 3M 1860s to over 360 facilities
- Healthcare Emergency Readiness Coalitions (HERC): body bags
- Shelters and non-profits: face masks

Mass Distributions

- Local and Tribal Health Centers: Vericor coolers and digital data loggers
- Testing sites: PPE, sandwich boards
- Long term care: fit testing kits in collaboration with WSLH
- Voluntary Organizations Active in Disaster: face masks

WEM, SEOC-EM, Tribal Health Centers Weekly Surveys

- March 2020–June 2021
- 31 distributions
- “72 counties in 2 days!”
- Total amount of PPE and sanitizing supplies:
 - To counties and First Nations: **33,268,900 pieces**
 - To state agencies: **9,678,954 pieces**



Wisconsin Elections Commission

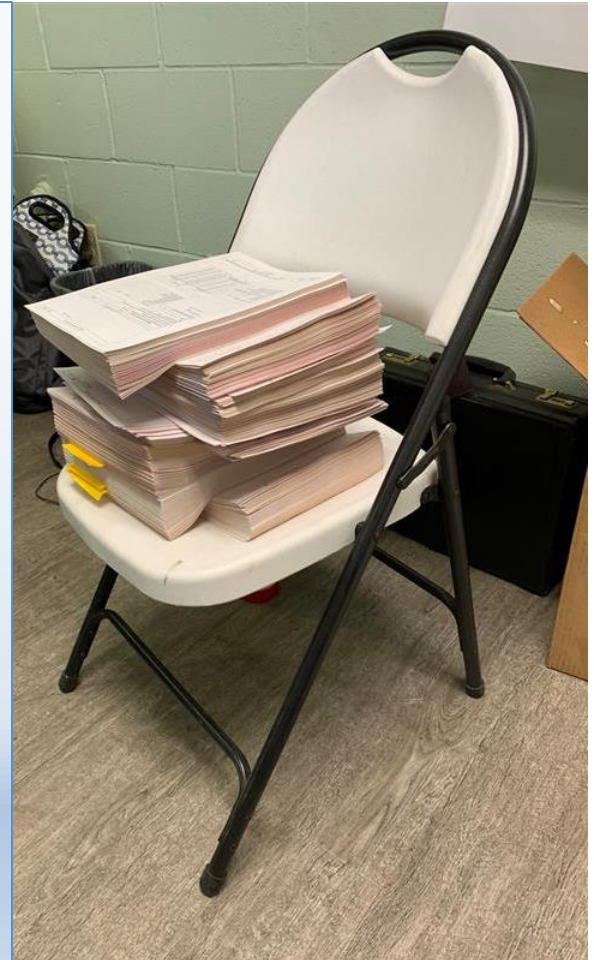
- August and November primary elections
- Amount of PPE and sanitizing supplies distributed: **4,413,404 pieces**
- Partners: WEC, Civil Air Patrol, Private Warehouse, DOA Procurement, National Guard



Public and Private School Districts: Cloth Face Masks and Thermometers

1,063 public and private school districts

- Face masks: 6,636,190
- Thermometers: 4,383



Child Care Facilities

- 3 rounds of shipments
- 1,742 facilities
- 4,596,272 supply pieces
 - 4,138,820 masks
 - 2,451 thermometers
 - 419,023 gloves



Vaccine Hubs & Mobile Vaccine Teams

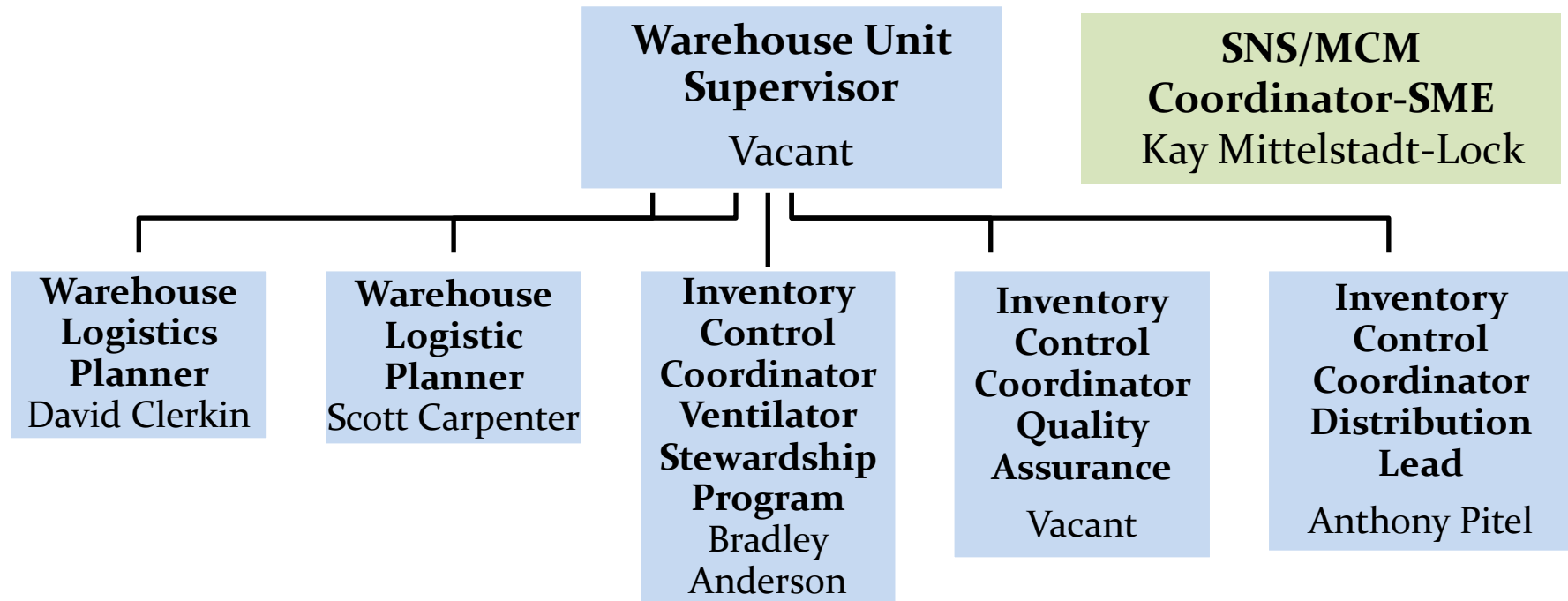
Vaccine Hubs: (5)

- Hub and Spoke Vaccine Distribution
- Hub Starter Kit
- All supplies still currently provided by the warehouse for one hub

WING Mobile Vaccine Teams:

- Developed SOP's and POD Training
- Developed and provided a starter kit for VPOD's
- All supplies still currently provided by the warehouse

Current Staffing

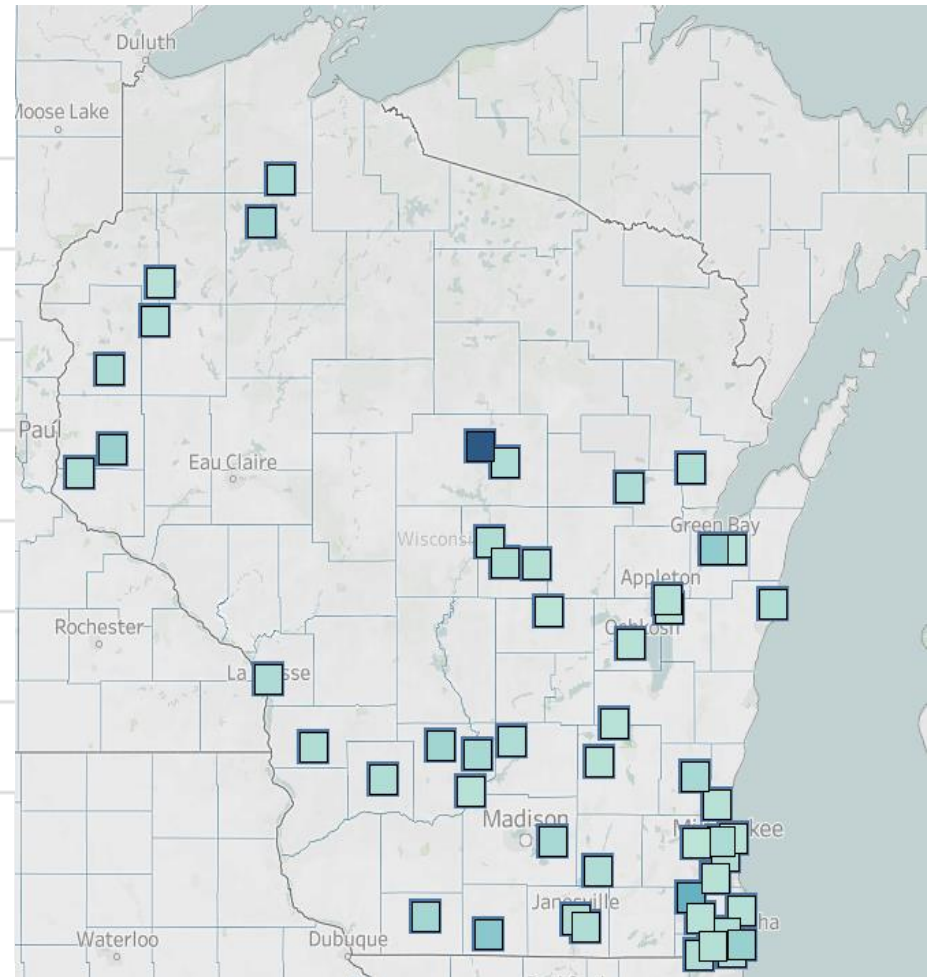
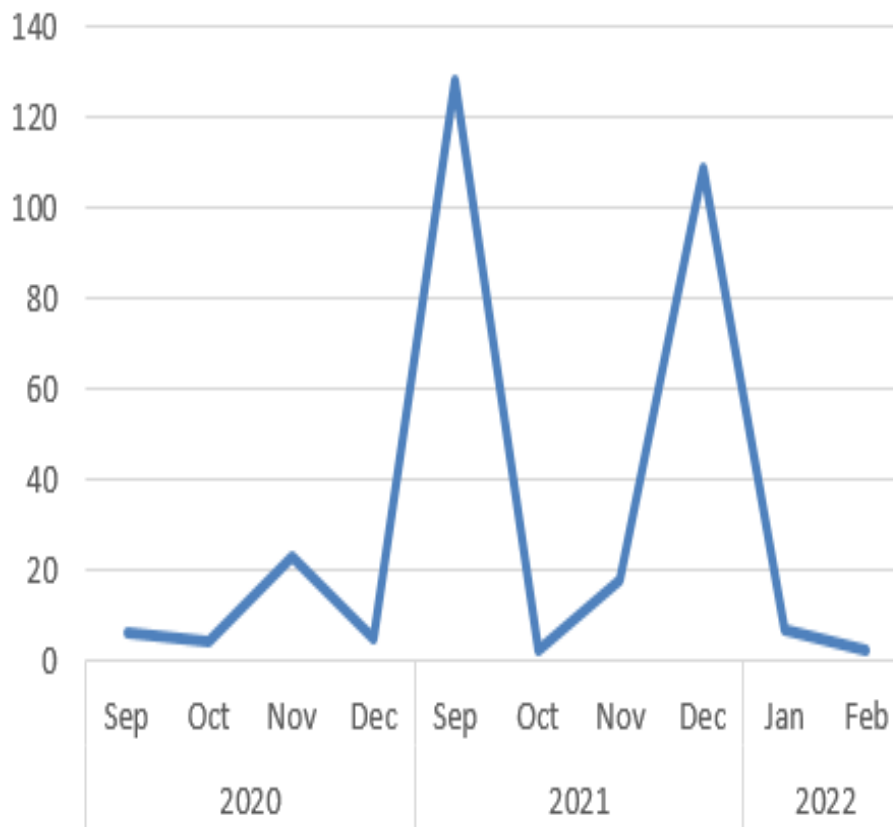


Ventilator Stewardship Program

- 1500 ventilators purchased by State of Wisconsin
 - Owned by state but available to loan
 - Maintained in partnership with KKM
 - Stored by Private Warehouse
- 304 deployed to 55 entities since September 2020

Ventilator Stewardship Program

Ventilators Deployed



Current Operations

- DHS stockpile requests
- Surveys as needed
 - Long-term health care
 - Emergency services and first responders
 - Bus drivers
 - N95 and KN95
- Stock rotation

Special Thank You's

- Many thanks to Laura Salzwedel, Logistics Manager of the private warehouse for her dedication during this response. Her expertise, dedication, and commitment were instrumental to our success!
- To WI State Patrol and WI DNR for assistance with the 24/7 security and materiel handling
- To WING for materiel handling assistance
- DMA IMT for initiating procurement efforts and providing a liaison to the SEOC.
- Many thanks to Greg Engle and Natalie Easterday for her constant communication and conversations to determine processes and best practice.
- Kudos to the local EM's for their role in PPE distribution!

Totals To Date:

- Received over **150 million** pieces
- **11,157 orders** sent
- Distributed over **80 millions** pieces
- Current Value **\$80 million +**

Resources

- dhsstockpile@wi.gov
- dhsventilators@wi.gov

- [It takes a team: How Wisconsin Emergency Management helped distribute PPE during the pandemic](#)
- [Gov. Evers Announces Wisconsin has Shipped One Millionth N95 Mask through State Distribution System](#)
- [Gov. Evers Announces Statewide Efforts to Distribute PPE to Schools, Food Processors, Businesses](#)
- [PICTURES: Wisconsin health workers unpack supplies from Strategic National Stockpile \(nbc15.com\)](#)

Acronyms

- ASPR: Assistant Secretary for Preparedness and Response
- BEOH: Bureau of Environmental and Occupational Health
- BPAD: Bureau of Publishing and Distribution
- BPC: Bureau of Procurement and Contracting
- CAP: Civil Air Patrol
- CDC: Centers for Disease Control
- DCF: Department of Children and Families
- DHS: Department of Health Services

Acronyms

- DMA: Department of Military Affairs
- DNR: Department of Natural Resources
- DOA: Department of Administration
- DOR: Department of Revenue
- DPI: Department of Public Instruction
- DQA: Division of Quality Assurance
- FEMA: Federal Emergency Management Agency
- HERCs: Healthcare Emergency Readiness Coalition
- HHS: Health and Human Services

Acronyms

- MCH: Maternal and Child Health
- OHI: Office of Health Informatics
- PPE: Personal protective equipment
- RSS: Receipt, stage, store
- SNS: Strategic National Stockpile
- VAL: State Volunteer Agency Liaison
- WEC: Wisconsin Election Commission
- WEM: Wisconsin Emergency Management
- WIANG: Wisconsin Air National Guard
- WIARNG: Wisconsin Army National Guard
- WSLH: Wisconsin State Lab of Hygiene