

## SOP for Extended Use of N-95 mask

Extended use refers to the practice of wearing the same N -95 Respirator for repeated close contact encounters with several patients, without removing the respirator between encounters. Extended use may be implemented when multiple patients are infected with the same respiratory pathogen and patients are placed together in dedicated wards or rooms in the hospital. Extended use has been recommended as an option for conserving respirators during previous respiratory pathogen outbreaks and pandemics like COVID 19

Re use- Refers to the practice of using the same N95 respirator for multiple encounters with patients but removing it (doffing) after each encounter. The respirator is stored in between encounters.

- 1) You have been provided with Four N -95; you have also been provided with four white coloured small covers. You must write on each Mask and cover your name and number them 1,2,3,4. You have been provided with a visor too with the set of N-95 Masks.
- 2) On Day 1, wear the mask no. 1 when you step out for duty. Kindly wear the mask properly as explained in this document, the infection control Team will help you if you still have any doubts regarding the same.
- 3) After you finish your duty, place the used N- 95 Mask in paper bag no. 1 and let it dry out for 4 days. Sunlight is not necessary. DO NOT THROW AWAY THE MASK.

## **SOP for Extended Use of N-95 mask**

- 4) On day 2, use the mask no 2 when you are going to start your duty. After finishing your duty place the used N- 95 mask in paper bag no 2 and let it dry out for the next four days.
- 5) Do the same for Day 3 and Day 4
- 6) Use the N- 95 mask no 1 on Day 5 again. For e.g. if you start wearing masks no 1 on 8<sup>th</sup> May 2020 it is available for reuse on 12<sup>th</sup> May 2020.
- 7) Repeat the exercise until all 4 Masks have been used 5 times as recommended by CDC, Atlanta, USA. All four will be used up in 20 days (in this example on 27<sup>th</sup> May 2020)
- 8) Discard all 4 masks in the Yellow bin after 20 days, you will be issued Five new N-95 Masks after 20 days.

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# N 95 Respirators

**N:** This is a Respirator Rating Letter Class. It stands for “Non-Oil” meaning that if no oil-based particulates are present, then you can use the mask in the work environment. Other masks ratings are R (resistant to oil for 8 hours) and P (oil proof).

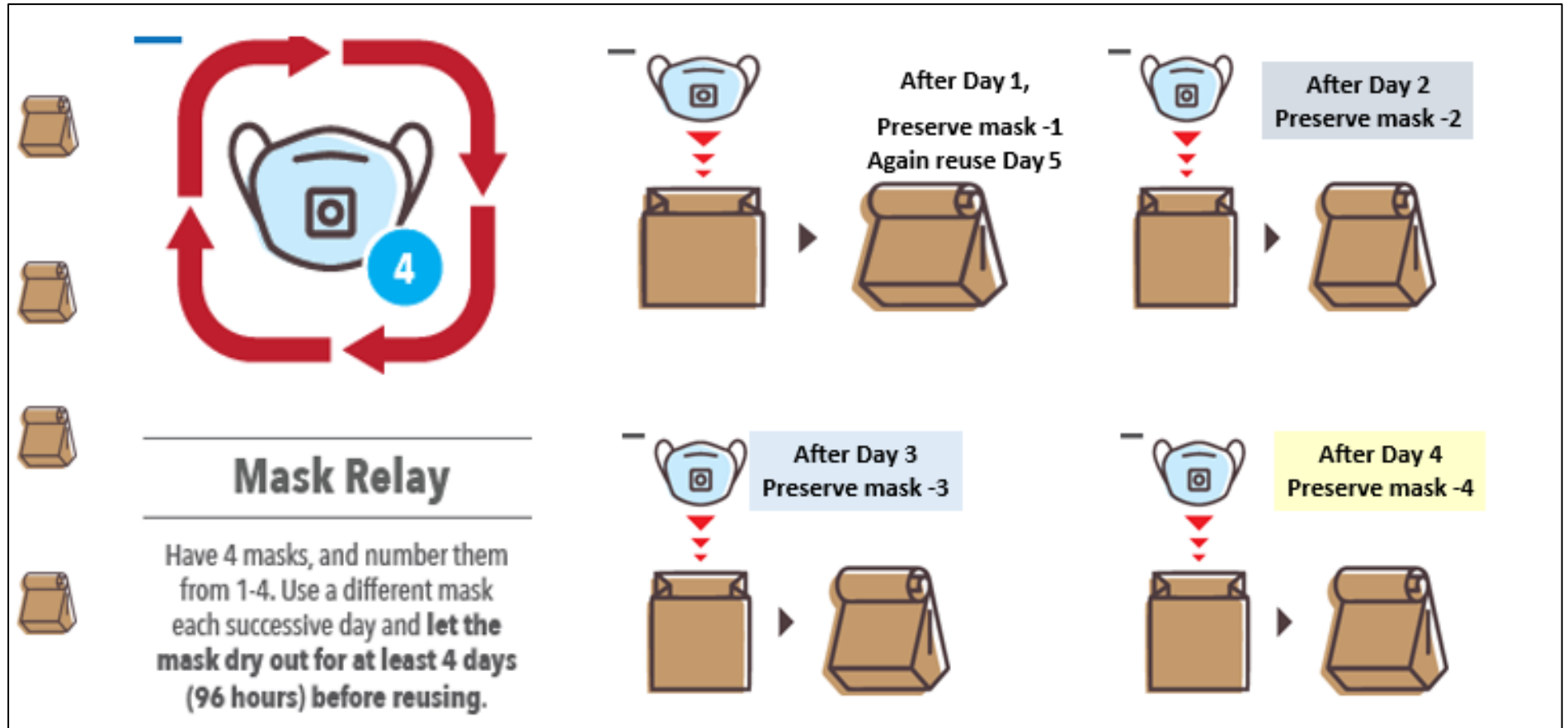
**95:** Masks ending in a 95, have a 95 percent efficiency. Masks ending in a 99 have a 99 percent efficiency. Masks ending in 100 are 99.97 percent efficient and that is the same as a HEPA quality filter.

**.3 microns:** The masks filter out contaminants like dusts, mists and fumes. The minimum size of .3 microns of particulates and large droplets won't pass through the barrier, according to the Centers for Disease Control and Prevention (CDC.)

**Material:** The filtration material on the mask is an electrostatic non-woven polypropylene fiber

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**4 N-95 can be used for 20 days like this**



## SOP for Extended Use of N-95 mask

### Issue 4 mask every 20 days: Re-Use



Day 1 →5→9→13→17



Day 2→6→10→14→18



Day 3→7→11→15→19



Day 4→8→12→16→20




## SOP for Extended Use of N-95 mask

### Steps to wear N-95



## SOP for Extended Use of N-95 mask



Don't 



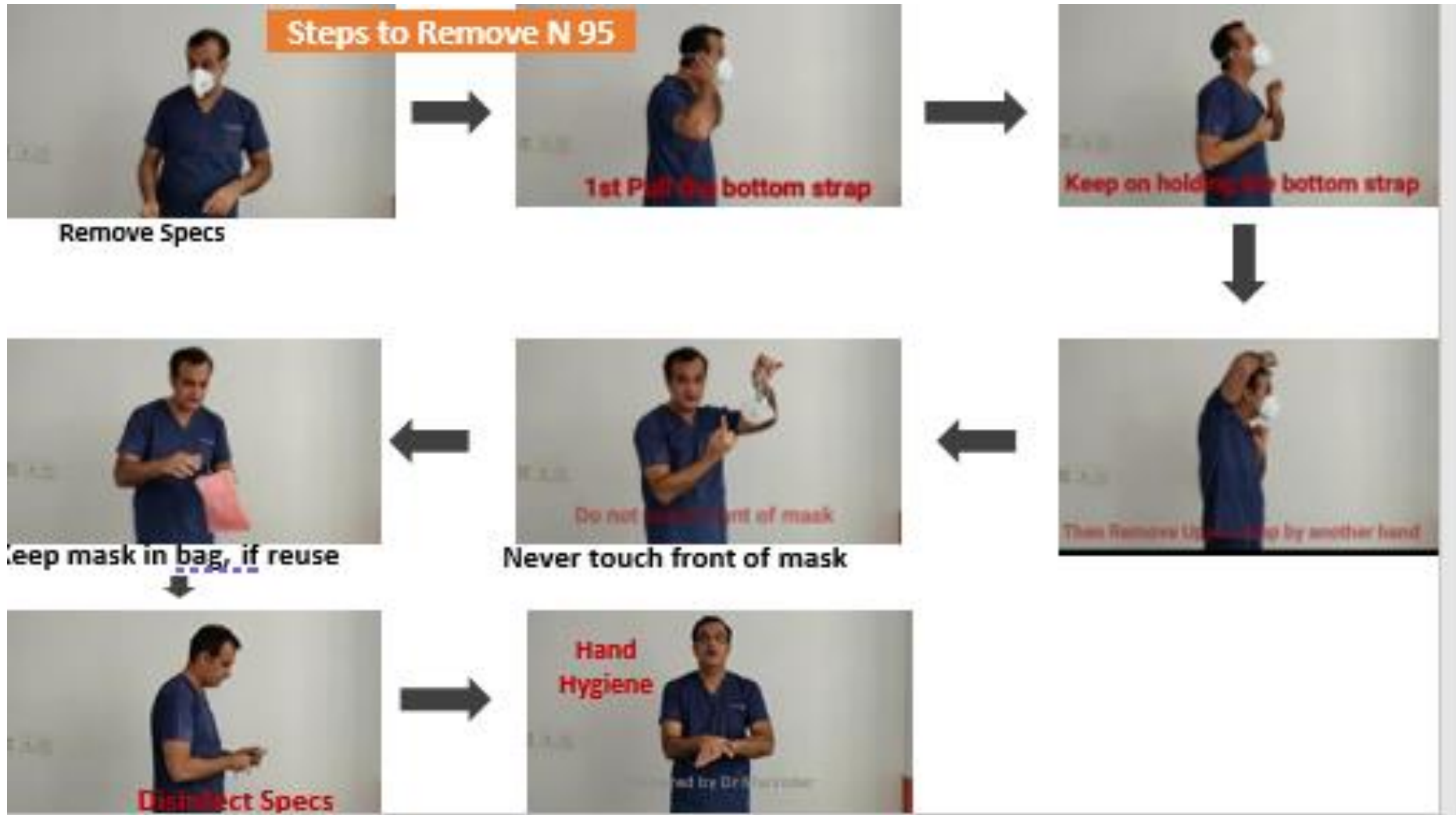
**Don't Wear Mask Around Neck**



**Don't Wear N95 Mask Over Surgical Mask**



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### Reuse of N-95 mask

**Day:1** : RN 'A' Wear New N95 and after duty : Drop N95 in Bag no.: Day1

**Day:2** : RN 'A' Wear New N95 and after duty : Drop N95 in Bag no.: Day2

**Day:3** : RN 'A' Wear New N95 and after duty : Drop N95 in Bag no.: Day3

**Day:4** : RN 'A' Wear New N95 and after duty : Drop N95 in Bag no.: Day4



**Day:5** : RN 'A' Wear **Day 1** N95 and **after duty** : Drop N95 in Bag no.: Day1 and so on.....

REPEAT the exercise until all 4 N-95 mask have been used 5 times as recommended by CDC

DO NOT DISCARD N-95 MASK. Let it dry out for 4 days. Sunlight is not necessary



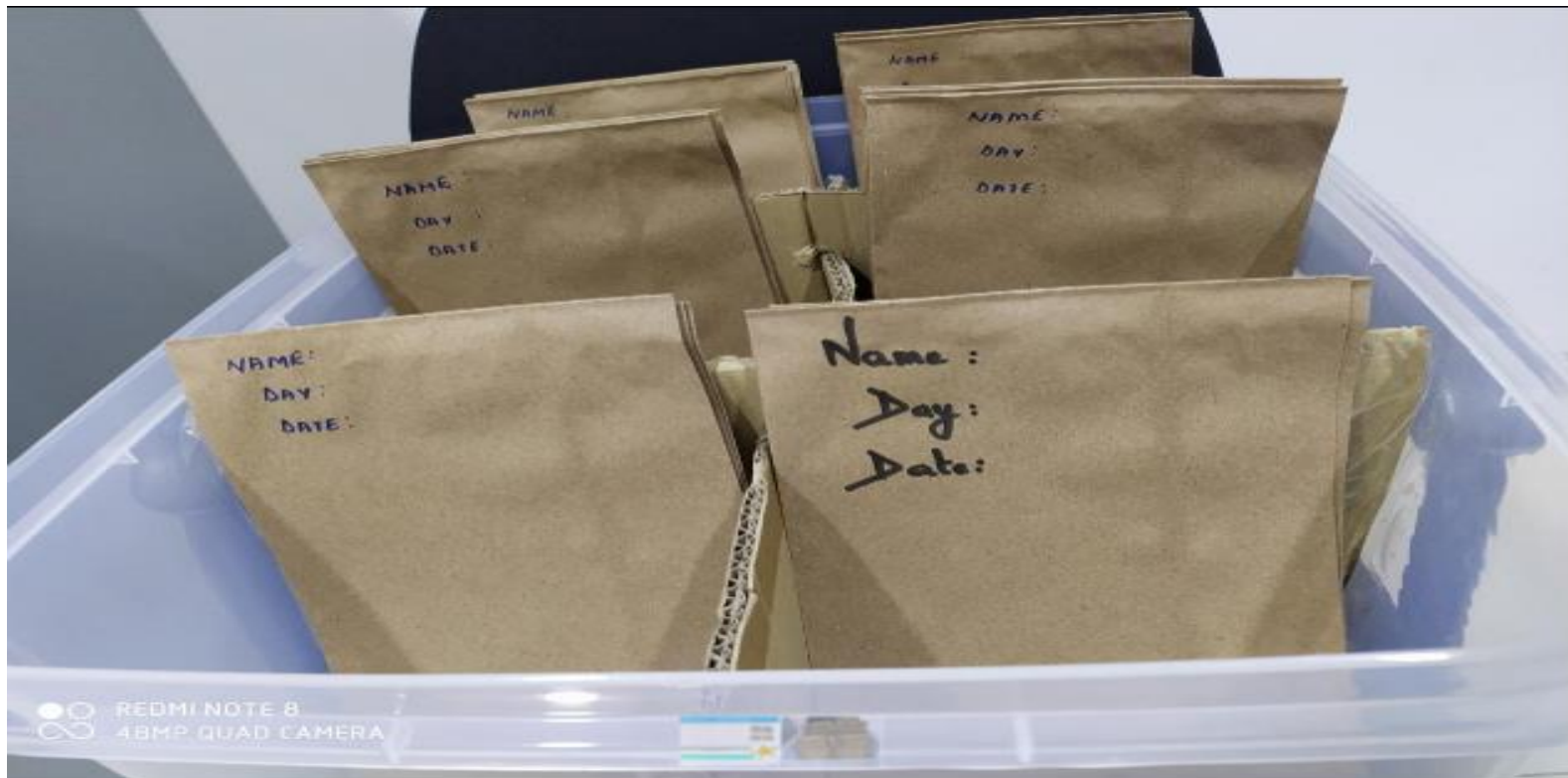
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# While Doing Aerosol Procedure



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### How to keep masks



## SOP for Extended Use of N-95 mask

- Discard N95 respirators following use during aerosol generating procedures.
- Discard N95 respirators contaminated with blood, respiratory or nasal secretions, or other bodily fluids from patients.
- Discard N95 respirators following close contact with any patient co-infected with an infectious disease requiring contact precautions.
- Consider use of a cleanable face shield (preferred<sup>3</sup>) over an N95 respirator and/or other steps (e.g., masking patients, use of engineering controls), when feasible to reduce surface contamination of the respirator.
- Hang used respirators in a designated storage area or keep them in a clean, breathable container such as a paper bag between uses. To minimize potential cross-contamination, store respirators so that they do not touch each other and the person using the respirator is clearly identified. Storage containers should be disposed of or cleaned regularly.
- Clean hands with soap and water or an alcohol-based hand sanitizer before and after touching or adjusting the respirator (if necessary for comfort or to maintain fit).
- Avoid touching the inside of the respirator. If inadvertent contact is made with the inside of the respirator, discard the respirator and perform hand hygiene as described above.
- Use a pair of clean (non-sterile) gloves when donning a used N95 respirator and performing a user seal check. Discard gloves after the N95 respirator is donned and any adjustments are made to ensure the respirator is sitting comfortably on your face with a good seal.

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