

# GUIDE to MASK GUIDELINES

Guidelines can help in mask selection. *But which guidelines? Before you choose your surgical mask, know the organizations and what their guidelines cover.*

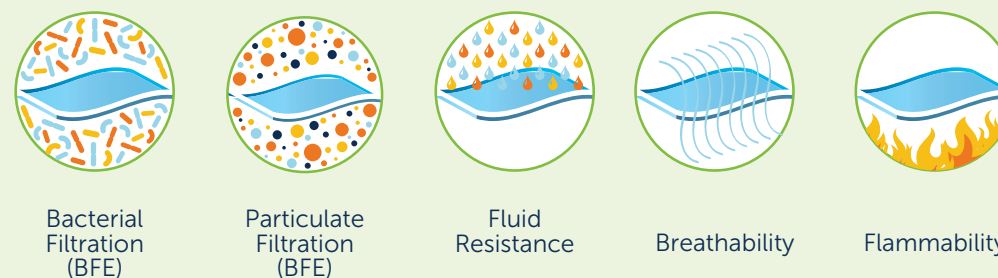
## OSHA

PPE will be considered **'appropriate'** only if it **does not permit blood** or other potentially infectious materials to pass through<sup>1</sup>

## ASTM

ASTM F2100-**11**  
2011: latest publication

5 performance metrics:



## FDA

ASTM F2100-11 is the FDA-recognized **Consensus Standard** for medical face masks as of 2012.

Masks in the market before 2012 were not held to this standard and may not receive FDA clearance if re-submitted today.<sup>4</sup>

## AORN

**All** members of the perioperative team are at risk for exposure from droplets.<sup>2</sup>

Within the five metrics, the standard rates three levels of **FLUID RESISTANCE:**



Over **70% of masks are not** ASTM F2100-11 rated for fluid resistance at all<sup>5</sup>

All masks should have ASTM level of protection on the package.<sup>6</sup>

Studies show fluid strikes the face area of OR staff on average **45%** of the time.<sup>3</sup>



1. OSHA Requirements for Bloodborne Pathogens in 29 CFR 1910.1030(d)(3)(i)
2. AORN Recommended Practices for Surgical Attire, Recommendation VI, p 132
3. CG Davies et al, Ann R Coll Surg Engl 2007 89(8): 770-772; S Endo et al, Jour Hospital Infection 2007 (67) 1: 56-61; DC Berridge et al, Br J Surg 1993 80 (11): 1379-80.
4. Guidance for Industry and FDA Staff; Surgical Masks – Premarket Notification [510K] Submissions
5. Global Healthcare Exchange Sales Data for Masks 2014. Data on file at Halyard Health and available upon request.
6. ASTM F2100-11, Standard Specification for Performance of Materials Used in Medical Face Masks