

Appendix 3. Reason for exclusion of records at full-text review

Studies	Reason for exclusion
Cherrie et al. (2018) ³⁶	<ul style="list-style-type: none"> • Masks assessed also included cloth masks • Primary effectiveness testing did not involve fit-testing using human participants. • Only 2 of 5 filtering face-piece half masks were tested on participants
Coffey et al. (2010) ³⁷	<ul style="list-style-type: none"> • Comparison of fit-testing methods to assess which test methods best identify poorly fitting respirators
Coffey et. (2004) ³⁸	<ul style="list-style-type: none"> • Assessment of four performance measures were used to evaluate the fitting characteristics of 18 models rather than effect of anthropometrics/gender/race on fit-testing outcomes
Fakherpour et al. (2021) ³⁹	<ul style="list-style-type: none"> • Advanced publishing full text without figures for review of results
Han and Lee (2005) ⁴⁰	<ul style="list-style-type: none"> • Comparison of Inward Leakage and Total Inward Leakage testing • Some respirators used which do not meet the FFP3/N95 level of protection
Han et al. (2018) ⁴¹	<ul style="list-style-type: none"> • Assessment of a respirator modification, a tight-fitting net, to improve facial fit and respirator performance • Details of the filtering facepiece masks used not reported • No assessment of N95/FFP3 masks in the context of anthropometrics/gender/ethnicity
Hui et al. (2017) ⁴²	<ul style="list-style-type: none"> • Assessment of a novel mouldable filtering facemask performance as compared to standard respirators • No assessment of N95/FFP3 masks in the context of anthropometrics/gender/ethnicity
Lawrence et al. (2006) ⁴³	<ul style="list-style-type: none"> • Comparison of elastomeric facepiece masks, filtering facepiece masks and surgical masks performance • No assessment of N95/FFP3 masks in the context of anthropometrics/gender/ethnicity
Regli and Ungern-Sternberg (2020) ⁴⁴	<ul style="list-style-type: none"> • Perspectives piece • No original research data
Reponen et al. (2011) ⁴⁵	<ul style="list-style-type: none"> • Assessment of value of fit-testing and its effect on respirator protection • No assessment of N95/FFP3 mask performance in the context of anthropometrics/gender/ethnicity
Sietsema and Brosseau (2018) ⁴⁶	<ul style="list-style-type: none"> • Studied whether quantitative fit factors are predictive of respirator fit during simulated activities • No assessment of N95/FFP3 mask performance in the context of anthropometrics/gender/ethnicity
Suen et al. (2020) ⁴⁷	<ul style="list-style-type: none"> • Comparison of mask fit and usability of two types of respirators in the context of nursing procedures • No assessment of N95/FFP3 mask performance in the context of anthropometrics/gender/ethnicity