Data Dictionary

Field Name on Data Page (CSV file)	Field Definition
Device Type	Indicates if the device was filtering facepiece respirator (FFR), a surgical mask, a procedure mask, cloth mask or fabric from a T-shirt
Manufacturer	The company that produced the tested device tested
Model	An identifier of the device given by its manufacturer
Class	For FFRs, indicates whether it is approved as N95 or N99 FFR
NIOSH Approved	Indicates whether the device was approved by NIOSH
Replicate	The number of times the device was tested in the same manner
Test Airflow direction	Regular – test flow was in the direction of inhalation. Only performed on FFRs with no mitigation (This is to test airflow direction used during approval testing. Reverse – test flow was in the direction of exhalation Taped – FFR tested in reverse flow mode with exhalation valve covered with surgical tape Electrode – FFR tested in reverse flow mode with exhalation valve covered with an electrocardiogram (ECG) pad Repeat – the same as "Regular". However, the repeat was the device tested with the airflow in the regular direction tested a second time. The reason for testing in the regular position twice was to detect any loading caused by using the same mask or respirator for multiple tests Surgical mask (I) – FFR tested in reverse flow mode with a Type I surgical mask stretched over the exterior of the respirator Surgical mask (III) – FFR tested in reverse flow mode with a Type III surgical mask stretched over the exterior of the respirator
Flow Rate	The number of liters of air passed through the device per minute of testing
Resistance (mm H_2O)	Respirator pressure drop (an indicator of breathing resistance) measured by the TSI 8130
Penetration (%)	The maximum level of filter penetration using a TSI 8130 filtration efficiency tester with a sodium chloride (NaCl) 2% solution in distilled water