

Supplementary material: Tables S1–S3

Evaluating the Environmental Impacts of Personal Protective Equipment Use by the General Population during the COVID-19 Pandemic: A Case Study of Lombardy (Northern Italy)

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Table S1. People in Lombardy for the different population classes analyzed in our study, and source of the data obtained.

Population/Worker Classes	Number of People in Lombardy Per Class	Source/Web Page
General population (14–29)	1,551,026	ISTAT (in italian), web page (assessed on 12 January 2021): https://www.istat.it/it/files//2020/05/03_Lombardia_Scheda_DEF.pdf
general population (30–45)	2,112,238	ISTAT (in italian), web page (assessed on 12 January 2021): https://www.istat.it/it/files//2020/05/03_Lombardia_Scheda_DEF.pdf
general population (46–64)	2,847,495	ISTAT (in italian), web page (assessed on 12 January 2021): https://www.istat.it/it/files//2020/05/03_Lombardia_Scheda_DEF.pdf
general population (65–80)	1,650,392	ISTAT (in italian), web page (assessed on 12 January 2021): https://www.istat.it/it/files//2020/05/03_Lombardia_Scheda_DEF.pdf
Industrial sector	1,408,000	Unioncamere Lombardia (in Italian), web page (assessed on 12 January 2021): http://www.unioncamerelombardia.it/?/menu-di-sinistra/Dati-statistici-e-analisi-economiche/Lombardia-in-sintesi_2631/Mercato-del-lavoro_2634
Retail trade (food)	147,373	Regione Lombardia (in Italian), web page (assessed on 12 January 2021): https://www.dati.lombardia.it/stories/s/Il-commercio-al-dettaglio-in-Lombardia/hk2a-yakq/
Retail trade (not food)	95,267	Regione Lombardia (in Italian), web page (assessed on 12 January 2021): https://www.dati.lombardia.it/stories/s/Il-commercio-al-dettaglio-in-Lombardia/hk2a-yakq/
Food sector (workers)	918,100	Confcommercio (in Italian), web page (assessed on 12 January 2021): https://www.confcommercio.it/documents/20126/0/Rapporto+Ristorazione+2019+Fipe.pdf/27de185c-4d5d-9e60-abc4-7248d254846e?version=1.0&t=1579623545575
Food sector (commuters)	1,165,878	Confcommercio (in Italian), web page (assessed on 12 January 2021): https://www.confcommercio.it/documents/20126/0/Rapporto+Ristorazione+2019+Fipe.pdf/27de185c-4d5d-9e60-abc4-7248d254846e?version=1.0&t=1579623545575
Services	3,012,000	Unioncamere Lombardia (in Italian), web page (assessed on 12 January 2021): http://www.unioncamerelombardia.it/?/menu-di-sinistra/Dati-statistici-e-analisi-economiche/Lombardia-in-sintesi_2631/Mercato-del-lavoro_2634

Table S2. Total amount of masks wasted weekly (in tons) for different classes of population during the different phases of lockdown established in Lombardy.

Population/Worker Classes	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
General population (14–29)	59.16	76.81	94.45	76.81	76.81
General population (30–45)	93.29	113.08	132.87	113.08	113.08
General population (46–64)	125.77	150.54	175.31	150.54	150.54
General population (65–80)	33.13	56.33	79.52	56.33	56.33
Industrial sector	51.82	78.21	78.21	78.21	78.21
Retail trade (food)	8.19	8.19	8.19	8.19	8.19
Retail trade (not food)	5.29	5.29	5.29	5.29	5.29
Food sector (workers)	43.01	43.01	43.01	43.01	43.01
Food sector (commuters)	0	11.15	11.15	0	0
Services (offices etc)	70.55	131.02	70.55	70.55	70.55
Total	490.21	673.63	698.55	602.01	602.01

Table S3. Total amount of gloves wasted weekly (in tons) for different classes of population during the different phases of lockdown established in Lombardy.

Population/Worker Classes	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
General population (14–29)	25.62	33.26	0	0	0
General population (30–45)	40.4	48.97	0	0	0
General population (46–64)	54.46	65.19	0	0	0
General population (65–80)	14.35	24.39	0	0	0
Industrial sector	22.44	33.87	0	0	0
Retail trade (food)	3.54	3.54	3.54	3.54	3.54
Retail trade (not food)	2.29	2.29	0	0	0
Food sector (workers)	37.25	37.25	37.25	37.25	37.25
Food sector (commuters)	0	0	0	0	0
Services	30.55	56.74	0	0	0
Total	230.9	305.5	40.79	40.79	40.79