Supplementary Materials for

COVID-19 in meat plants: a survey framed within a Target Prevention Plan, in Italy

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Table S1
Profile of the slaughterhouses and meat processing/cutting plants that participated to the questionnaire on voluntary basis

Species	Activities			Total
	S	PC	S+PC	
Cattle	104	46	18	168
Horses	44	6	5	55
Cattle and horses	106	48	18	172
Pigs	131	85	18	234
Small ruminants	72	12	10	94
Poultry	27	18	4	49
Rabbits	9	9	1	19
Poultry and rabbits	30	22	5	57

S: slaughterhouse, PC: processing/cutting plant; S+PC: slaughterhouse and processing/cutting plant. Due to the presence in the same plants of activities addressed to different animal species, the total number reported in *Table 1* is greater than the number of the recorded questionnaires (N=333); N: number.

Table S2
Profile of the recorded Personal Protective Equipments (PPE) availability from N=293 answers, according to the number of workers

Workers (N)	Surgical masks	FFP1	FFP2	FFP3	Gloves	Glass/face shield	Overall
1-5	92	0	11	1	75	23	16
6-10	44	1	9	0	38	10	6
11-25	49	0	10	0	47	10	12
26-50	29	0	4	0	24	5	11
51-100	15	0	1	0	13	4	3
>100	38	1	8	0	29	15	6
Missed	26	2	2	1	25	8	9
Total	293	4	45	2	251	75	63

FFP: filtering facepieces of class 1, 2, and 3 able to filter at least 80%, 94%, and 99% of airborne particles, respectively, according to EN 145 standard; N: number; missed: data not available.

Table S3
Descriptors of the corrective measures taken in the recorded 24 outbreak management

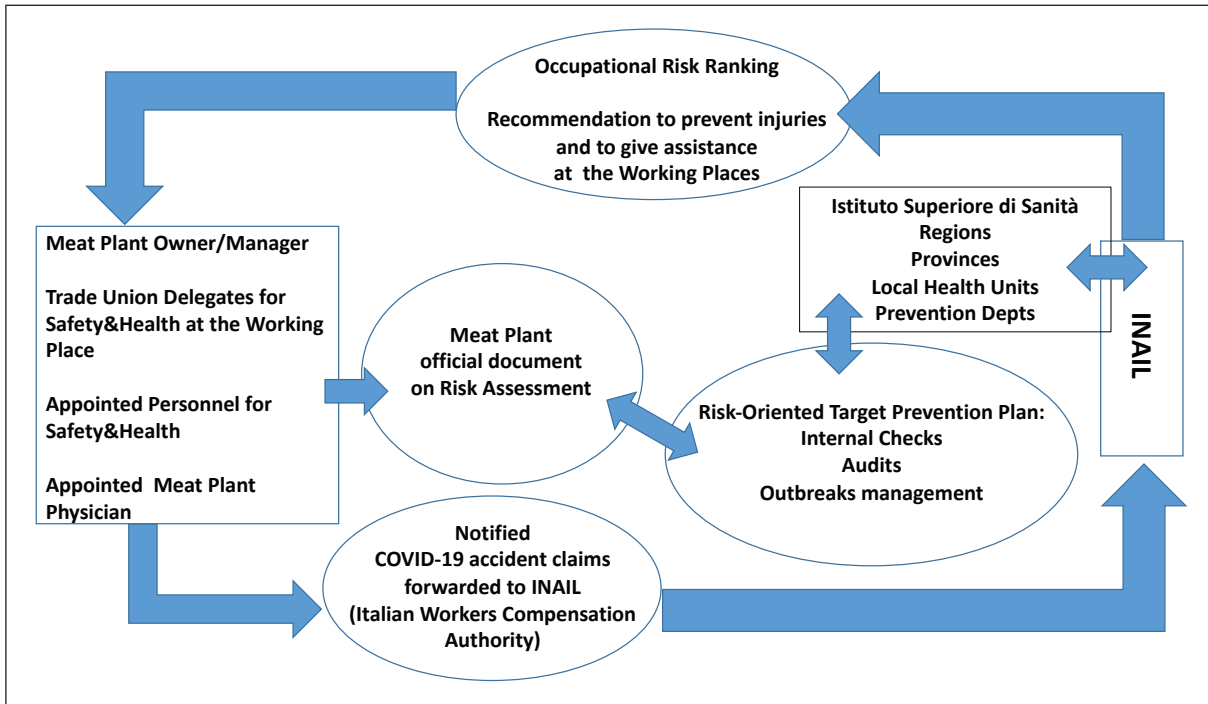| Measure	Plants (N)	%
Personal protective equipments	8	33
Intensified checks about application of preventive measures	10	42
Cleaning and disinfection (sanitization)	16	67
Ventilation	6	25
Change in the plant structure and layout revision	1	4
Change in the entrance/exit procedures for external personnel	10	42
Change of the entrance	10	42
Personal hygiene	9	38
Workers information	10	42
Increase of the working place distances	4	17
Physical barriers among workers and among internal *vs* external personnel	4	17
Homogeneous composition of workshift force	1	4

N: number.

Figure S1

Flow chart of the actors (boxed) and activities (circled) involved in COVID-19 prevention in meat plants, in Italy at plant, territory (Provinces, Regions), and central level. Reproduced from: Agrimi U, Bertinato L, Brambilla G, Minelli G, Settimo, G, Brusaferro S, et al. Set up of a risk-oriented plan for the control and management of COVID-19 outbreaks in meat plants: Ad interim methodological approach. Version of April 8, 2021. Rome: ISS; 2021. (Rapporto ISS COVID-19, 8/2021 - English version). Available from: https://www.iss.it/documents/20126/0/Rapporto+ISS+COVID+n.+8_21+EN.pdf/e2d1d27e-161d-cbce-3f58-22865f6f5d37?t=1625829502058.