Generalized Linear Models

Model Information

Dependent Variable		Any work absence due to MENTAL DISEASE occurred in the period[a]
Probability Distribution		Binomial
Link Function		Logit
Subject Effect	1	ID
Within-Subject Effect	1	Exposure to the pandemia environment
Working Correlation Matrix Structure		Unstructured

a. The procedure models Yes as the response, treating No as the reference category.

Case Processing Summary

	N	Percent
Included	53912	82,5%
Excluded	11470	17,5%
Total	65382	100,0%

Correlated Data Summary

Number of Levels	Subject Effect	ID	26956
	Within-Subject Effect	Exposure to the pandemia environment	2
Number of Subjects			26956

Supporting Information. Part5

Number of Measurements per Subject	Minimum	2
	Maximum	2
Correlation Matrix Dimension		2

Categorical Variable Information

			N	Percent
Dependent Variable	Any work absence due to MENTAL DISEASE occurred in the period	No	52244	96,9%
		Yes	1668	3,1%
		Total	53912	100,0%
Factor	Exposure to the pandemia environment	Exposed (2020)	26956	50,0%
		Non-Exposed (2019)	26956	50,0%
		Total	53912	100,0%
	Healthcare provider category	Other HCP	6460	12,0%
		Nurse assistants	20532	38,1%
		Physiotherapists	2038	3,8%
		Nurses	11140	20,7%
		Physicians	13742	25,5%
		Total	53912	100,0%
	Gender	Male	14216	26,4%
		Female	39696	73,6%
		Total	53912	100,0%

Goodness of Fit[a]

	Value
Quasi Likelihood under Independence Model Criterion (QIC)[b]	14506,229

Corrected Quasi Likelihood under Independence Model Criterion (QICC)[b]	14504,580

Dependent Variable: Any work absence due to MENTAL DISEASE occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Healthcare provider category, Gender[a]

a. Information criteria are in smaller-is-better form.

b. Computed using the full log quasi-likelihood function.

Tests of Model Effects

Source	Type III Wald Chi-Square	df	Sig.
(Intercept)	7205,049	1	,000
Exposure to the pandemia environment	65,221	1	,000
Healthcare provider category	124,516	4	,000
Gender	50,744	1	,000

Dependent Variable: Any work absence due to MENTAL DISEASE occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Healthcare provider category, Gender

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval Lower	95% Wald Confidence Interval Upper	Hypothesis Test Wald Chi-Square	df	Sig.	Exp(B)	95% Wald Confidence Interval for Exp(B) Lower	95% Wald Confidence Interval for Exp(B) Upper
(Intercept)	-4,349	,0916	-4,529	-4,170	2254,693	1	,000	,013	,011	,015

Supporting Information. Part5

[Exposure to the pandemia environment=1]	,375	,0464	,284	,465	65,221	1	,000	1,454	1,328	1,593
[Exposure to the pandemia environment=0]	0[a]	.	.	.	.	.	.	1	.	.
[Healthcare provider category=5]	,868	,1127	,647	1,089	59,247	1	,000	2,381	1,909	2,970
[Healthcare provider category=4]	,966	,0948	,780	1,152	103,855	1	,000	2,628	2,182	3,164
[Healthcare provider category=3]	1,014	,1511	,718	1,310	45,049	1	,000	2,756	2,050	3,706
[Healthcare provider category=2]	1,069	,1001	,873	1,265	114,061	1	,000	2,911	2,393	3,542
[Healthcare provider category=1]	0[a]	.	.	.	.	.	.	1	.	.
[Gender=1]	-,571	,0802	-,728	-,414	50,744	1	,000	,565	,483	,661
[Gender=0]	0[a]	.	.	.	.	.	.	1	.	.
(Scale)	1									

Dependent Variable: Any work absence due to MENTAL DISEASE occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Healthcare provider category, Gender

a. Set to zero because this parameter is redundant.

Did the physicians themselves changed their profile regarding work absences across the periods of pre-pandemia (2019) and pandemia (2020)?

```
USE ALL.
COMPUTE filter_$=(HCPcateg = 1).
VARIABLE LABELS filter_$ 'HCPcateg = 1 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
* Generalized Estimating Equations.
GENLIN AbAC (REFERENCE=FIRST) BY AsgnGrp Sex (ORDER=DESCENDING)
  /MODEL AsgnGrp Sex INTERCEPT=YES
 DISTRIBUTION=BINOMIAL LINK=LOGIT
  /CRITERIA METHOD=FISHER(1) SCALE=1 MAXITERATIONS=100 MAXSTEPHALVING=5 PCONVERGE=1E-006(ABSOLUTE)
    SINGULAR=1E-012 ANALYSISTYPE=3(WALD) CILEVEL=95 LIKELIHOOD=FULL
  /REPEATED SUBJECT=ID WITHINSUBJECT=AsgnGrp SORT=YES CORRTYPE=UNSTRUCTURED ADJUSTCORR=YES
    COVB=ROBUST MAXITERATIONS=100 PCONVERGE=1e-006(ABSOLUTE) UPDATECORR=1
```

```
Supporting Information. Part5

  /MISSING CLASSMISSING=EXCLUDE
  /PRINT CPS DESCRIPTIVES MODELINFO FIT SUMMARY SOLUTION (EXPONENTIATED).
```

Generalized Linear Models

Model Information

Dependent Variable		Any work absence due to ALL CAUSES occurred in the period[a]
Probability Distribution		Binomial
Link Function		Logit
Subject Effect	1	ID
Within-Subject Effect	1	Exposure to the pandemia environment
Working Correlation Matrix Structure		Unstructured

a. The procedure models Yes as the response, treating No as the reference category.

Case Processing Summary

	N	Percent
Included	13742	100,0%
Excluded	0	0,0%
Total	13742	100,0%

Correlated Data Summary

Supporting Information. Part5

Number of Levels	Subject Effect	ID	6871
	Within-Subject Effect	Exposure to the pandemia environment	2
Number of Subjects			6871
Number of Measurements per Subject	Minimum		2
	Maximum		2
Correlation Matrix Dimension			2

Categorical Variable Information

			N	Percent
Dependent Variable	Any work absence due to ALL CAUSES occurred in the period	No	9068	66,0%
		Yes	4674	34,0%
		Total	13742	100,0%
Factor	Exposure to the pandemia environment	Exposed (2020)	6871	50,0%
		Non-Exposed (2019)	6871	50,0%
		Total	13742	100,0%
	Gender	Male	6310	45,9%
		Female	7432	54,1%
		Total	13742	100,0%

Goodness of Fit[a]

	Value
Quasi Likelihood under Independence Model Criterion (QIC)[b]	17171,106

Corrected Quasi Likelihood under Independence Model Criterion (QICC)[b]	17170,830

Dependent Variable: Any work absence due to ALL CAUSES occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Gender[a]

a. Information criteria are in smaller-is-better form.

b. Computed using the full log quasi-likelihood function.

Tests of Model Effects

Source	Type III Wald Chi-Square	df	Sig.
(Intercept)	1288,536	1	,000
Exposure to the pandemia environment	111,548	1	,000
Gender	309,243	1	,000

Dependent Variable: Any work absence due to ALL CAUSES occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Gender

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval Lower	95% Wald Confidence Interval Upper	Hypothesis Test Wald Chi-Square	df	Sig.	Exp(B)	95% Wald Confidence Interval for Exp(B) Lower	95% Wald Confidence Interval for Exp(B) Upper
(Intercept)	-,186	,0301	-,245	-,127	38,172	1	,000	,830	,783	,881
[Exposure to the pandemia environment=1]	-,359	,0340	-,426	-,293	111,548	1	,000	,698	,653	,746

Supporting Information. Part5

[Exposure to the pandemia environment=0]	0[a]	.	.	.	.	.	.	1	.	.
[Gender=1]	-,701	,0399	-,779	-,623	309,243	1	,000	,496	,459	,537
[Gender=0]	0[a]	.	.	.	.	.	.	1	.	.
(Scale)	1									

Dependent Variable: Any work absence due to ALL CAUSES occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Gender

a. Set to zero because this parameter is redundant.

```
* Generalized Estimating Equations.
GENLIN AbHRel (REFERENCE=FIRST) BY AsgnGrp Sex (ORDER=DESCENDING)
  /MODEL AsgnGrp Sex INTERCEPT=YES
 DISTRIBUTION=BINOMIAL LINK=LOGIT
  /CRITERIA METHOD=FISHER(1) SCALE=1 MAXITERATIONS=100 MAXSTEPHALVING=5 PCONVERGE=1E-006(ABSOLUTE)
    SINGULAR=1E-012 ANALYSISTYPE=3(WALD) CILEVEL=95 LIKELIHOOD=FULL
  /REPEATED SUBJECT=ID WITHINSUBJECT=AsgnGrp SORT=YES CORRTYPE=UNSTRUCTURED ADJUSTCORR=YES
    COVB=ROBUST MAXITERATIONS=100 PCONVERGE=1e-006(ABSOLUTE) UPDATECORR=1
  /MISSING CLASSMISSING=EXCLUDE
  /PRINT CPS DESCRIPTIVES MODELINFO FIT SUMMARY SOLUTION (EXPONENTIATED).
```

Generalized Linear Models

Model Information

Dependent Variable	Any work absence due to HEALTH-RELATED CAUSES occurred in the period[a]
Probability Distribution	Binomial
Link Function	Logit

Supporting Information. Part5

Subject Effect	1	ID
Within-Subject Effect	1	Exposure to the pandemia environment
Working Correlation Matrix Structure		Unstructured

a. The procedure models Yes as the response, treating No as the reference category.

Case Processing Summary

	N	Percent
Included	13742	100,0%
Excluded	0	0,0%
Total	13742	100,0%

Correlated Data Summary

Number of Levels	Subject Effect	ID	6871
	Within-Subject Effect	Exposure to the pandemia environment	2
Number of Subjects			6871
Number of Measurements per Subject	Minimum		2
	Maximum		2
Correlation Matrix Dimension			2

Categorical Variable Information

			N	Percent
Dependent Variable	Any work absence due to HEALTH-RELATED CAUSES occurred in the period	No	10631	77,4%
		Yes	3111	22,6%
		Total	13742	100,0%

Supporting Information. Part5

Factor	Exposure to the pandemia environment	Exposed (2020)	6871	50,0%
		Non-Exposed (2019)	6871	50,0%
		Total	13742	100,0%
	Gender	Male	6310	45,9%
		Female	7432	54,1%
		Total	13742	100,0%

Goodness of Fit[a]

	Value
Quasi Likelihood under Independence Model Criterion (QIC)[b]	14323,357
Corrected Quasi Likelihood under Independence Model Criterion (QICC)[b]	14323,057

Dependent Variable: Any work absence due to HEALTH-RELATED CAUSES occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Gender[a]

a. Information criteria are in smaller-is-better form.

b. Computed using the full log quasi-likelihood function.

Tests of Model Effects

	Type III		
Source	Wald Chi-Square	df	Sig.
(Intercept)	3160,331	1	,000

Supporting Information. Part5

Exposure to the pandemia environment	15,702	1	,000
Gender	306,043	1	,000

Dependent Variable: Any work absence due to HEALTH-RELATED CAUSES occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Gender

Parameter Estimates

			95% Wald Confidence Interval		Hypothesis Test				95% Wald Confidence Interval for Exp(B)	
Parameter	B	Std. Error	Lower	Upper	Wald Chi-Square	df	Sig.	Exp(B)	Lower	Upper
(Intercept)	-,826	,0332	-,891	-,761	619,786	1	,000	,438	,410	,467
[Exposure to the pandemia environment=1]	-,151	,0382	-,226	-,076	15,702	1	,000	,860	,798	,926
[Exposure to the pandemia environment=0]	0[a]	.	.	.	.	.	.	1	.	.
[Gender=1]	-,814	,0465	-,905	-,722	306,043	1	,000	,443	,405	,486
[Gender=0]	0[a]	.	.	.	.	.	.	1	.	.
(Scale)	1									

Dependent Variable: Any work absence due to HEALTH-RELATED CAUSES occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Gender

a. Set to zero because this parameter is redundant.

```
* Generalized Estimating Equations.
GENLIN AbMnt (REFERENCE=FIRST) BY AsgnGrp Sex (ORDER=DESCENDING)
  /MODEL AsgnGrp Sex INTERCEPT=YES
 DISTRIBUTION=BINOMIAL LINK=LOGIT
  /CRITERIA METHOD=FISHER(1) SCALE=1 MAXITERATIONS=100 MAXSTEPHALVING=5 PCONVERGE=1E-006(ABSOLUTE)
    SINGULAR=1E-012 ANALYSISTYPE=3(WALD) CILEVEL=95 LIKELIHOOD=FULL
  /REPEATED SUBJECT=ID WITHINSUBJECT=AsgnGrp SORT=YES CORRTYPE=UNSTRUCTURED ADJUSTCORR=YES
    COVB=ROBUST MAXITERATIONS=100 PCONVERGE=1e-006(ABSOLUTE) UPDATECORR=1
  /MISSING CLASSMISSING=EXCLUDE
  /PRINT CPS DESCRIPTIVES MODELINFO FIT SUMMARY SOLUTION (EXPONENTIATED).
```

Generalized Linear Models

Model Information

Dependent Variable		Any work absence due to MENTAL DISEASE occurred in the period[a]
Probability Distribution		Binomial
Link Function		Logit
Subject Effect	1	ID
Within-Subject Effect	1	Exposure to the pandemia environment
Working Correlation Matrix Structure		Unstructured

a. The procedure models Yes as the response, treating No as the reference category.

Case Processing Summary

	N	Percent
Included	13742	100,0%
Excluded	0	0,0%
Total	13742	100,0%

Correlated Data Summary

Supporting Information. Part5

Number of Levels	Subject Effect	ID	6871
	Within-Subject Effect	Exposure to the pandemia environment	2
Number of Subjects			6871
Number of Measurements per Subject	Minimum		2
	Maximum		2
Correlation Matrix Dimension			2

Categorical Variable Information

			N	Percent
Dependent Variable	Any work absence due to MENTAL DISEASE occurred in the period	No	13571	98,8%
		Yes	171	1,2%
		Total	13742	100,0%
Factor	Exposure to the pandemia environment	Exposed (2020)	6871	50,0%
		Non-Exposed (2019)	6871	50,0%
		Total	13742	100,0%
	Gender	Male	6310	45,9%
		Female	7432	54,1%
		Total	13742	100,0%

Goodness of Fit[a]

	Value
Quasi Likelihood under Independence Model Criterion (QIC)[b]	1780,015

Corrected Quasi Likelihood under Independence Model Criterion (QICC)[b]	1779,872

Dependent Variable: Any work absence due to MENTAL DISEASE occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Gender[a]

a. Information criteria are in smaller-is-better form.

b. Computed using the full log quasi-likelihood function.

Tests of Model Effects

Source	Type III Wald Chi-Square	df	Sig.
(Intercept)	2065,771	1	,000
Exposure to the pandemia environment	21,295	1	,000
Gender	36,296	1	,000

Dependent Variable: Any work absence due to MENTAL DISEASE occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Gender

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval Lower	95% Wald Confidence Interval Upper	Hypothesis Test Wald Chi-Square	df	Sig.	Exp(B)	95% Wald Confidence Interval for Exp(B) Lower	95% Wald Confidence Interval for Exp(B) Upper
(Intercept)	-4,400	,1398	-4,674	-4,126	990,904	1	,000	,012	,009	,016
[Exposure to the pandemia environment=1]	,704	,1525	,405	1,003	21,295	1	,000	2,021	1,499	2,725

Supporting Information. Part5

[Exposure to the pandemia environment=0]	0[a]	.	.	.	.	.	.	1	.	.
[Gender=1]	-1,175	,1951	-1,558	-,793	36,296	1	,000	,309	,211	,452
[Gender=0]	0[a]	.	.	.	.	.	.	1	.	.
(Scale)	1									

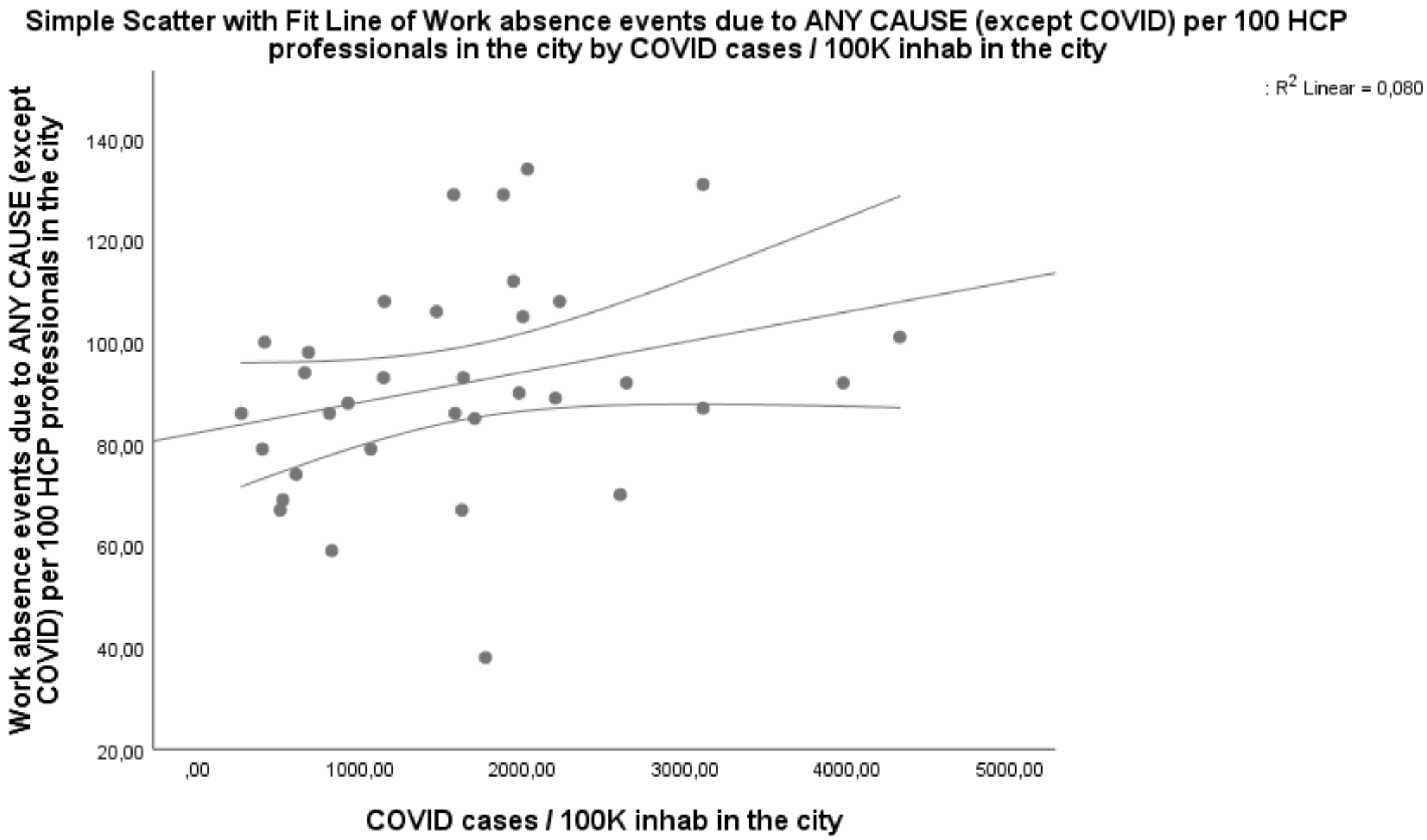
Dependent Variable: Any work absence due to MENTAL DISEASE occurred in the period

Model: (Intercept), Exposure to the pandemia environment, Gender

a. Set to zero because this parameter is redundant.

Did the cumulative incidence of COVID cases in the city of the professionals affect the profile of non-COVID Health-Related work absences among health-care providers in those locations?

GGraph




```
EXAMINE VARIABLES=CityCovCases100k AbAC_HCP_N
```

```
Supporting Information. Part5

  /PLOT HISTOGRAM NPPLOT
  /PERCENTILES(5,10,25,50,75,90,95) HAVERAGE
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING PAIRWISE
  /NOTOTAL.
```

Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
COVID cases / 100K inhab in the city	34	100,0%	0	0,0%	34	100,0%
Work absence events due to ANY CAUSE (except COVID) per 100 HCP professionals in the city	34	100,0%	0	0,0%	34	100,0%

Descriptives

			Statistic	Std. Error
COVID cases / 100K inhab in the city	Mean		1624,7937	172,14783
	95% Confidence Interval for Mean	Lower Bound	1274,5563	
		Upper Bound	1975,0311	
	5% Trimmed Mean		1555,7030	
	Median		1601,5129	

Supporting Information. Part5

	Variance		1007585,741	
	Std. Deviation		1003,78570	
	Minimum		264,89	
	Maximum		4318,79	
	Range		4053,90	
	Interquartile Range		1293,95	
	Skewness		,890	,403
	Kurtosis		,643	,788
Work absence events due to ANY CAUSE (except COVID) per 100 HCP professionals in the city	Mean		91,8824	3,61068
	95% Confidence Interval for Mean	Lower Bound	84,5364	
		Upper Bound	99,2283	
	5% Trimmed Mean		92,1242	
	Median		91,0000	
	Variance		443,258	
	Std. Deviation		21,05370	
	Minimum		38,00	
	Maximum		134,00	
	Range		96,00	
	Interquartile Range		26,25	
	Skewness		,012	,403
	Kurtosis		,536	,788

Percentiles

		Percentiles						
		5	10	25	50	75	90	95
Weighted Average(Definition 1)	COVID cases / 100K inhab in the city	361,5726	455,7713	775,1292	1601,5129	2069,0827	3107,3040	4057,3388

	Work absence events due to ANY CAUSE (except COVID) per 100 HCP professionals in the city	53,7500	67,0000	79,0000	91,0000	105,2500	129,0000	131,7500
Tukey's Hinges	COVID cases / 100K inhab in the city			807,1431	1601,5129	2026,0278		
	Work absence events due to ANY CAUSE (except COVID) per 100 HCP professionals in the city			79,0000	91,0000	105,0000		

Tests of Normality

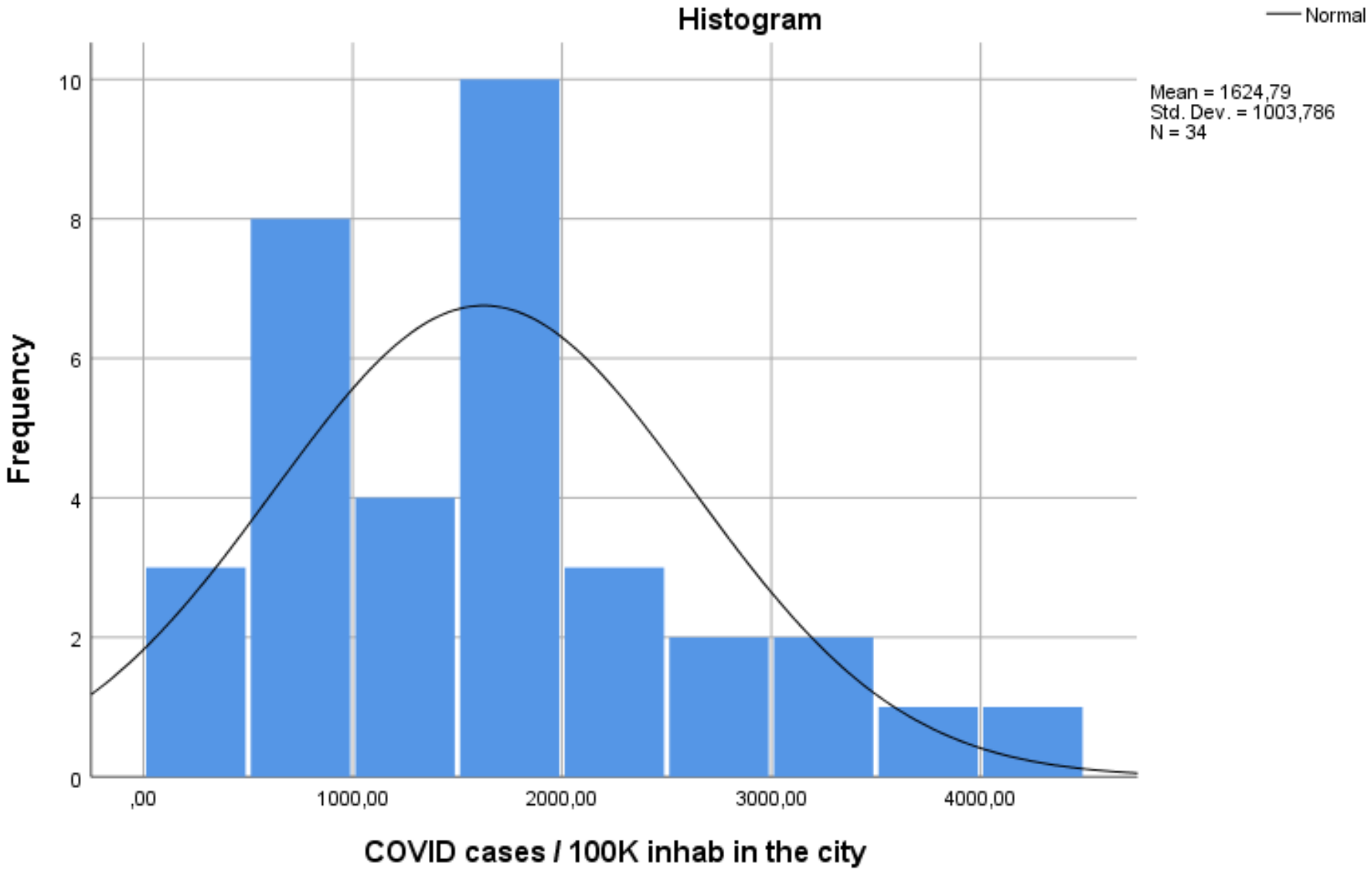
	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
COVID cases / 100K inhab in the city	,109	34	,200*	,930	34	,031
Work absence events due to ANY CAUSE (except COVID) per 100 HCP professionals in the city	,107	34	,200*	,968	34	,409

*. This is a lower bound of the true significance.

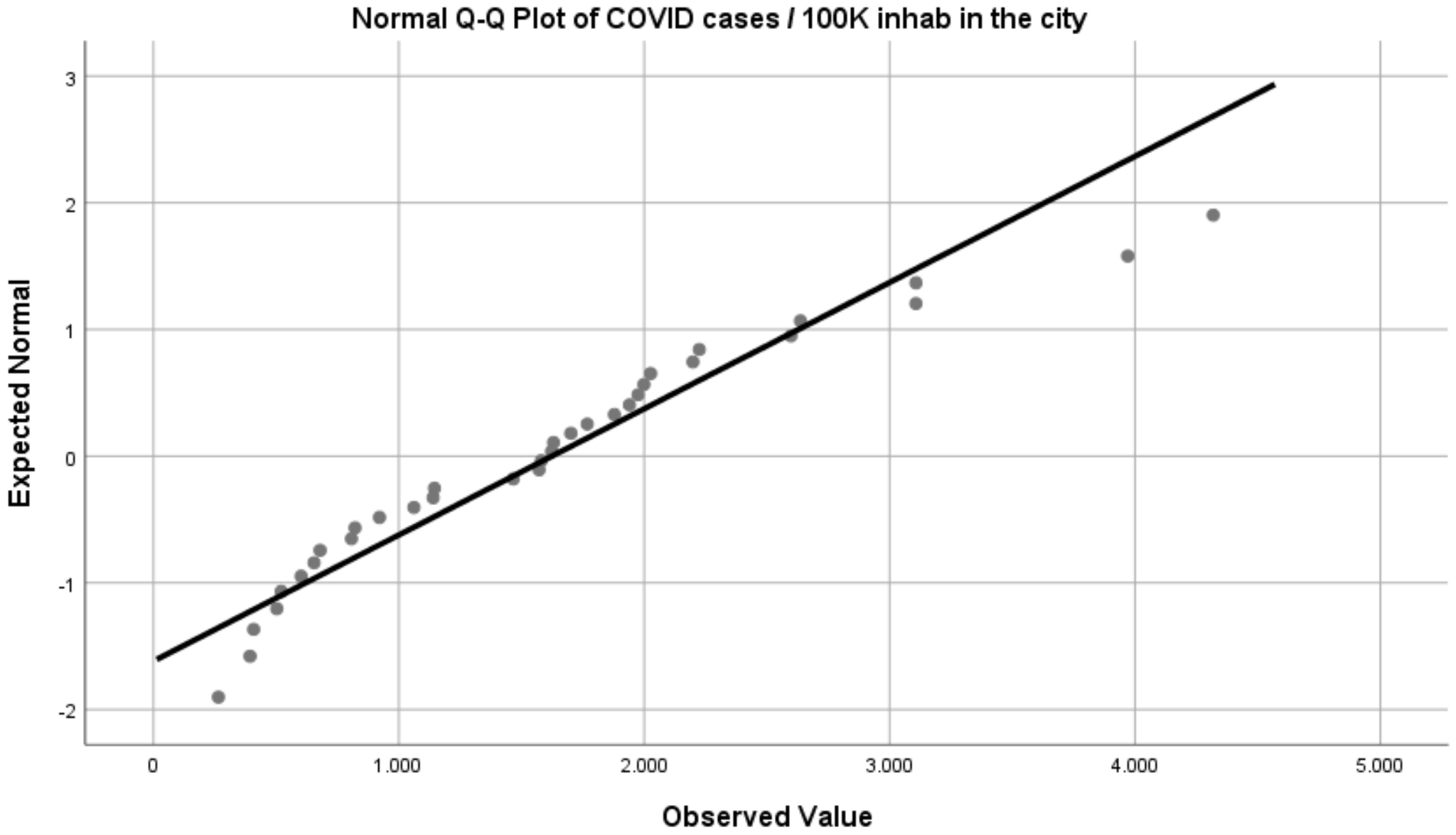
a. Lilliefors Significance Correction

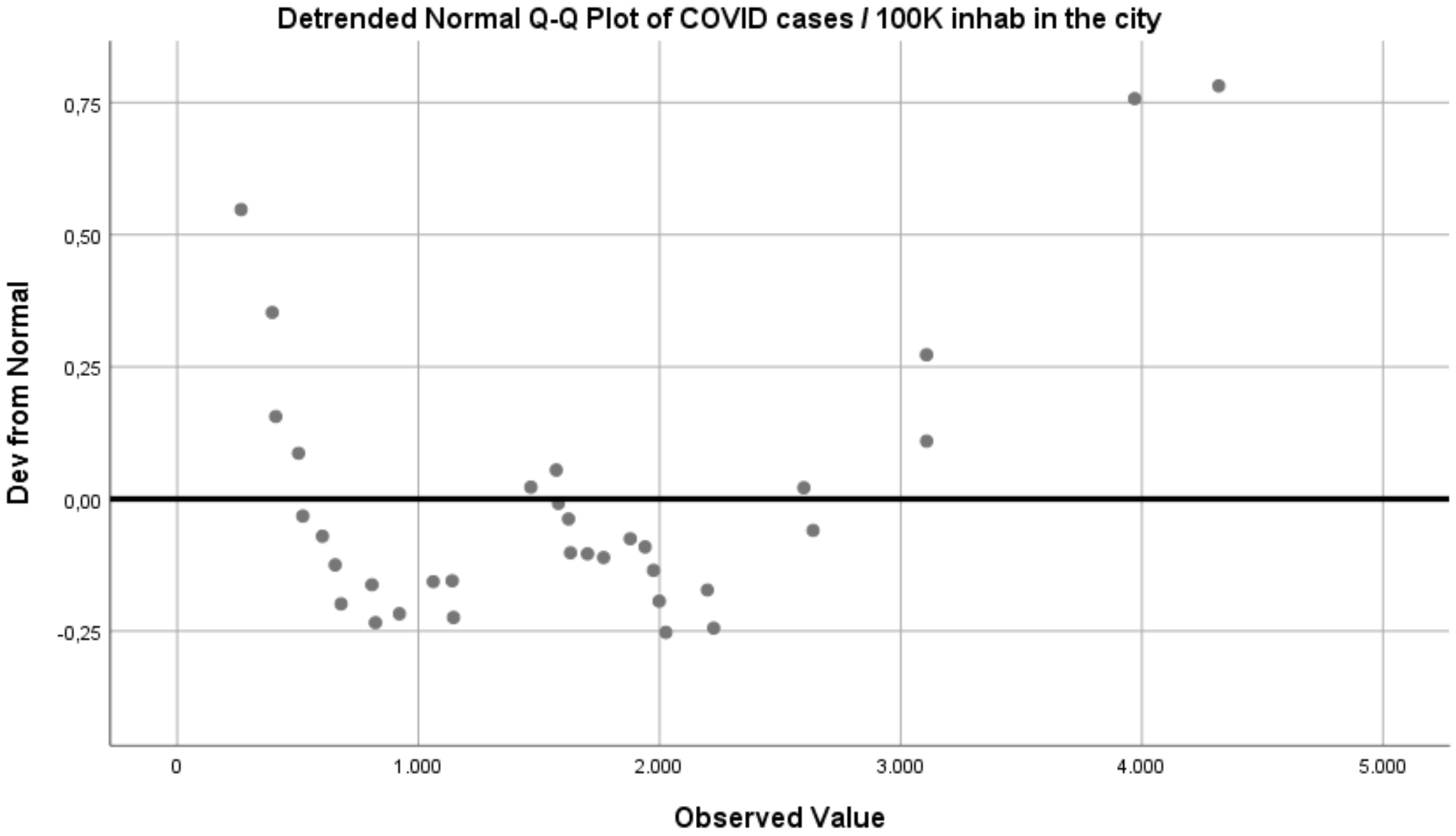
COVID cases / 100K inhab in the city

Supporting Information. Part5



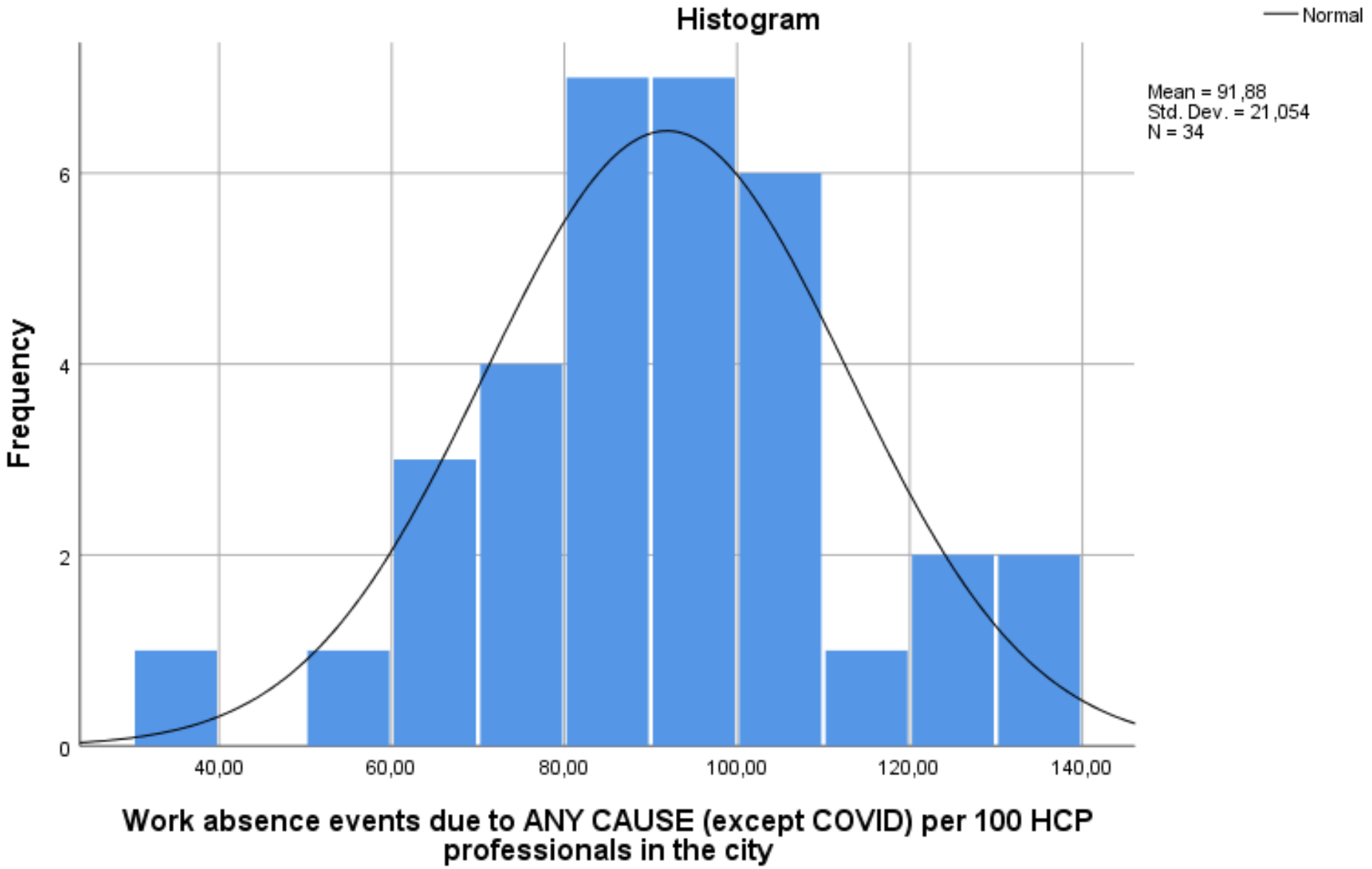
Supporting Information. Part5



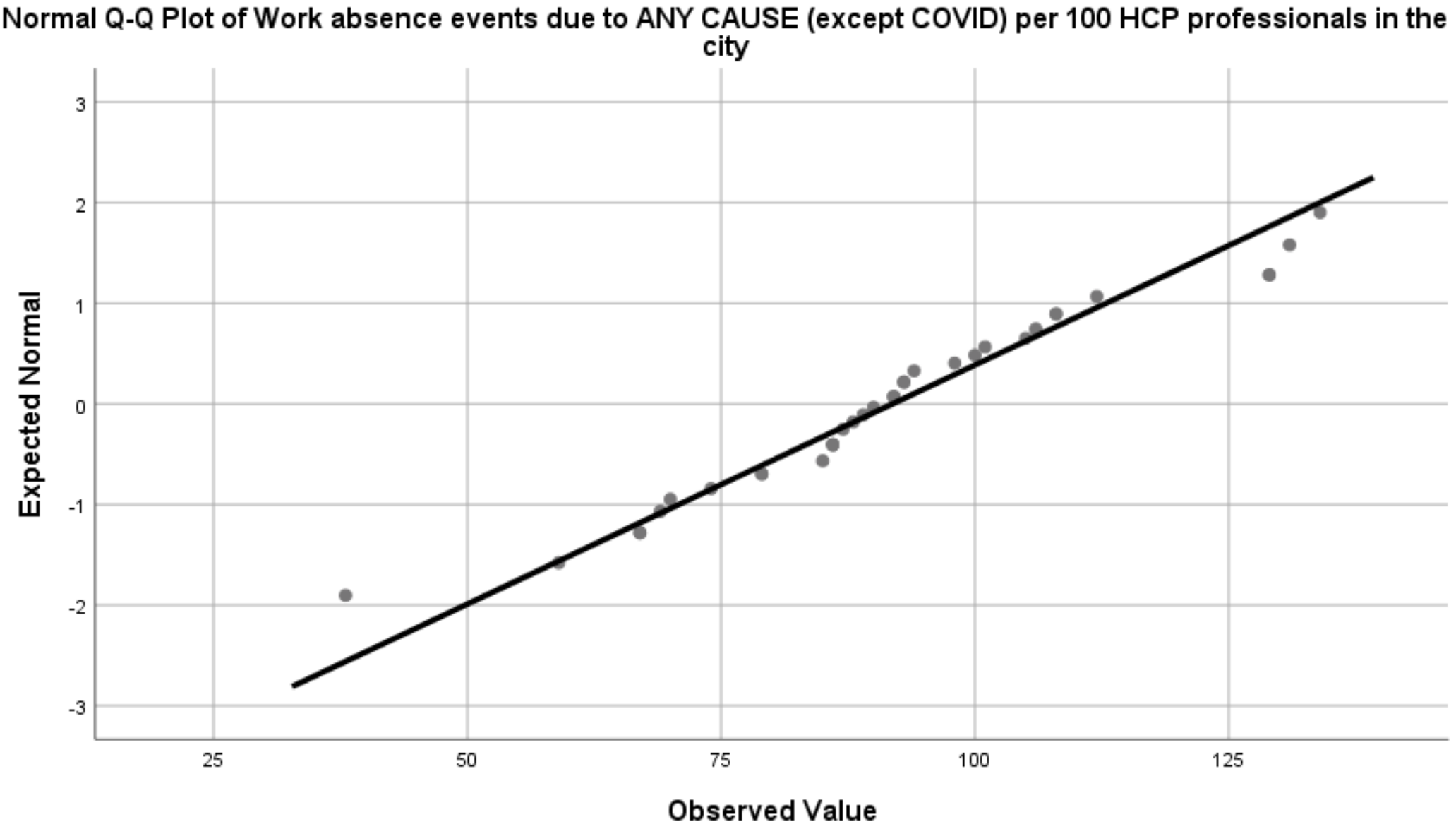

Detrended Normal Q-Q Plot of COVID cases / 100K inhab in the city
Dev from Normal
0,75
0,50
0,25
0,00
-0,25
0
1.000
2.000
3.000
4.000
5.000
Observed Value

Work absence events due to ANY CAUSE (except COVID) per 100 HCP professionals in the city

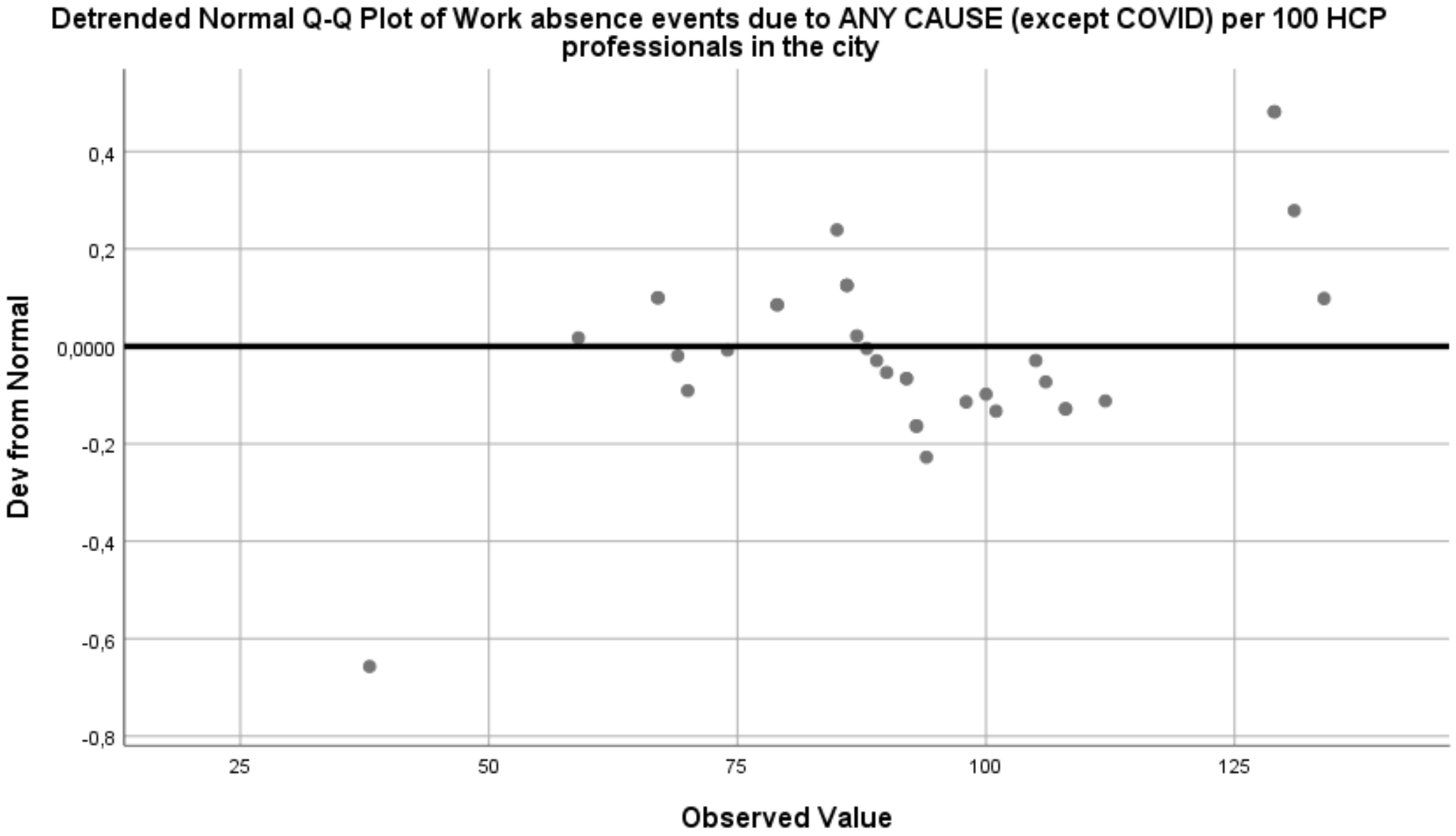
Supporting Information. Part5



Supporting Information. Part5



Supporting Information. Part5

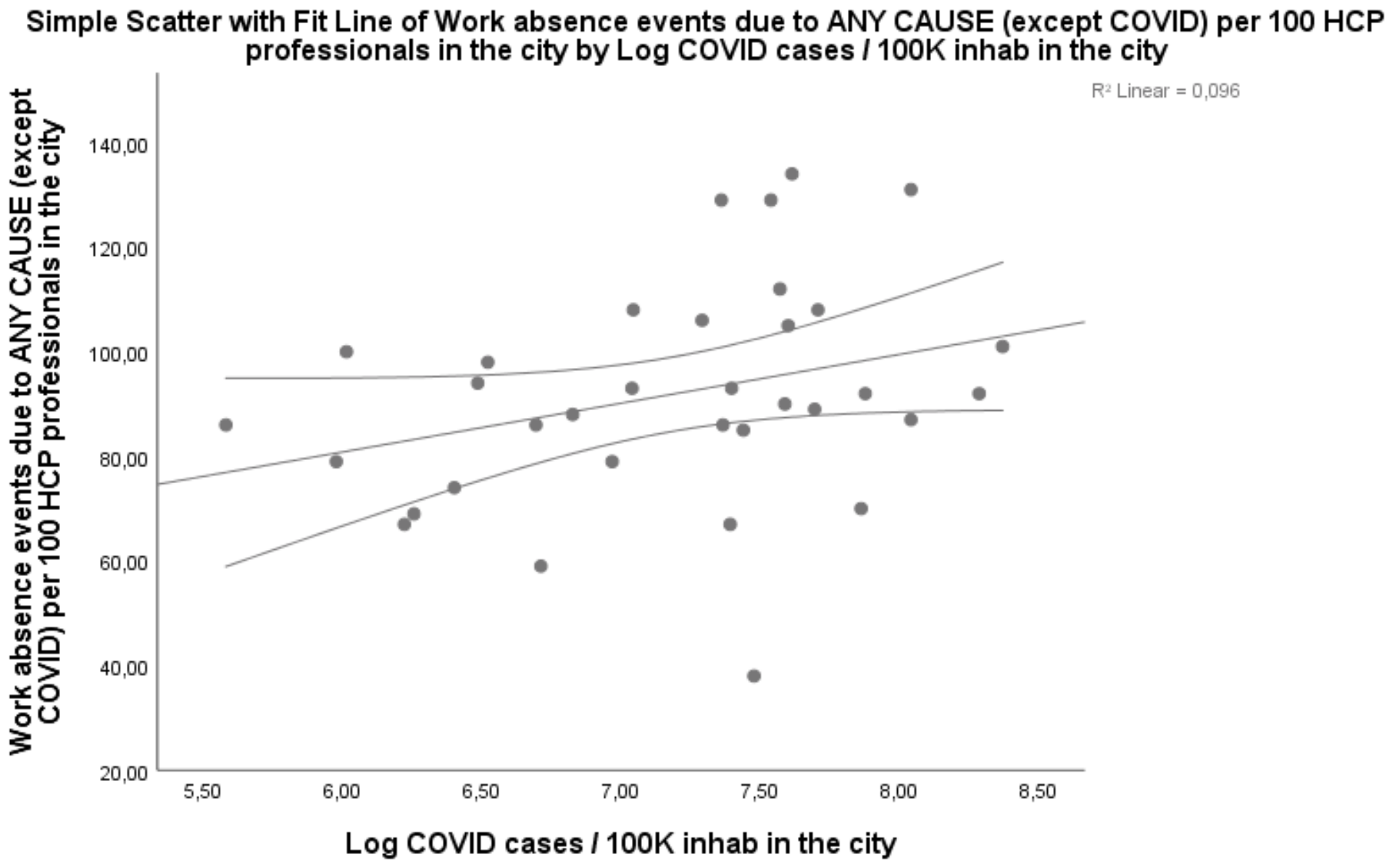



```
COMPUTE LogCovCases100k=LN(CityCovCases100k).
```

Supporting Information. Part5

```
VARIABLE LABELS  LogCovCases100k 'Log COVID cases / 100K inhab in the city'.
EXECUTE.
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=LogCovCases100k AbAC_HCP_N MISSING=LISTWISE
    REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE
  /FITLINE TOTAL=YES.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: LogCovCases100k=col(source(s), name("LogCovCases100k"))
  DATA: AbAC_HCP_N=col(source(s), name("AbAC_HCP_N"))
  GUIDE: axis(dim(1), label("Log COVID cases / 100K inhab in the city"))
  GUIDE: axis(dim(2), label("Work absence events due to ANY CAUSE (except COVID) per 100 HCP ",
    "professionals in the city"))
  GUIDE: text.title(label("Simple Scatter with Fit Line of Work absence events due to ANY CAUSE ",
    "(except COVID) per 100 HCP professionals in the city by Log COVID cases / 100K inhab in the city"))
  ELEMENT: point(position(LogCovCases100k*AbAC_HCP_N))
END GPL.
```

GGraph


Simple Scatter with Fit Line of Work absence events due to ANY CAUSE (except COVID) per 100 HCP professionals in the city by Log COVID cases / 100K inhab in the city
R² Linear = 0,096
Work absence events due to ANY CAUSE (except COVID) per 100 HCP professionals in the city
140,00
120,00
100,00
80,00
60,00
40,00
20,00
5,50
6,00
6,50
7,00
7,50
8,00
8,50
Log COVID cases / 100K inhab in the city

NONPAR CORR

Supporting Information. Part5

```
  /VARIABLES=CityCovCases100k AbAC_N AbAC_HCP_N AbHRel_N AbHRel_HCP_N AbMnt_N AbMnt_HCP_N
  /PRINT=SPEARMAN TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Nonparametric Correlations

Correlations

			COVID cases / 100K inhab in the city	Work absence events due to ANY CAUSE (except COVID) per 100 professionals in the city	Work absence events due to ANY CAUSE (except COVID) per 100 HCP professionals in the city	Work absence events due to HEALTH-RELATED causes (except COVID) per 100 professionals in the city	Work absence events due to HEALTH-RELATED causes (except COVID) per 100 HCP professionals in the city	Work absence events due to MENTAL DISEASE per 100 professionals in the city	Work absence events due to MENTAL DISEASE per 100 HCP professionals in the city
Spearman's rho	COVID cases / 100K inhab in the city	Correlation Coefficient	1,000	,349*	,358*	,301	,266	,219	,188
		Sig. (2-tailed)	.	,043	,038	,084	,128	,214	,286
		N	34	34	34	34	34	34	34
	Work absence events due to ANY CAUSE (except COVID) per 100 professionals in the city	Correlation Coefficient	,349*	1,000	,954**	,834**	,830**	,318	,291
		Sig. (2-tailed)	,043	.	,000	,000	,000	,067	,095
		N	34	34	34	34	34	34	34
	Work absence events due to ANY CAUSE (except COVID) per 100 HCP professionals in the city	Correlation Coefficient	,358*	,954**	1,000	,810**	,834**	,363*	,359*
		Sig. (2-tailed)	,038	,000	.	,000	,000	,035	,037
		N	34	34	34	34	34	34	34
	Work absence events due to HEALTH-RELATED causes	Correlation Coefficient	,301	,834**	,810**	1,000	,981**	,414*	,338
		Sig. (2-tailed)	,084	,000	,000	.	,000	,015	,051

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	(except COVID) per 100 professionals in the city	N	34	34	34	34	34	34	34
	Work absence events due to HEALTH-RELATED causes (except COVID) per 100 HCP professionals in the city	Correlation Coefficient	,266	,830**	,834**	,981**	1,000	,396*	,337
		Sig. (2-tailed)	,128	,000	,000	,000	.	,020	,052
		N	34	34	34	34	34	34	34
	Work absence events due to MENTAL DISEASE per 100 professionals in the city	Correlation Coefficient	,219	,318	,363*	,414*	,396*	1,000	,974**
		Sig. (2-tailed)	,214	,067	,035	,015	,020	.	,000
		N	34	34	34	34	34	34	34
	Work absence events due to MENTAL DISEASE per 100 HCP professionals in the city	Correlation Coefficient	,188	,291	,359*	,338	,337	,974**	1,000
		Sig. (2-tailed)	,286	,095	,037	,051	,052	,000	.
		N	34	34	34	34	34	34	34

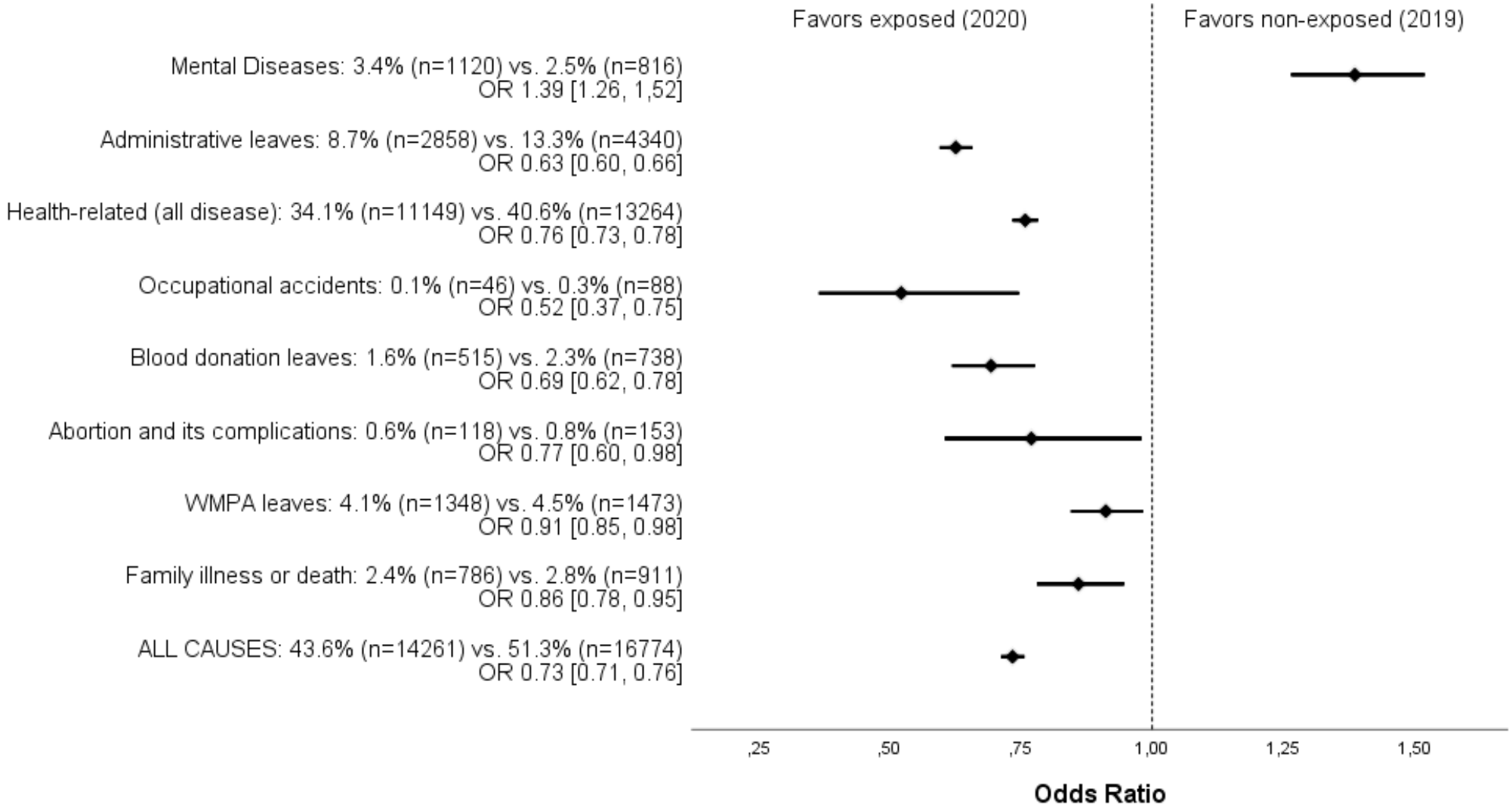
*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Graphs (Forrest Plots) summarizing the differences (Odds Ratios) between individuals, regarding several causes of work absences, found along the aforementioned analyses.

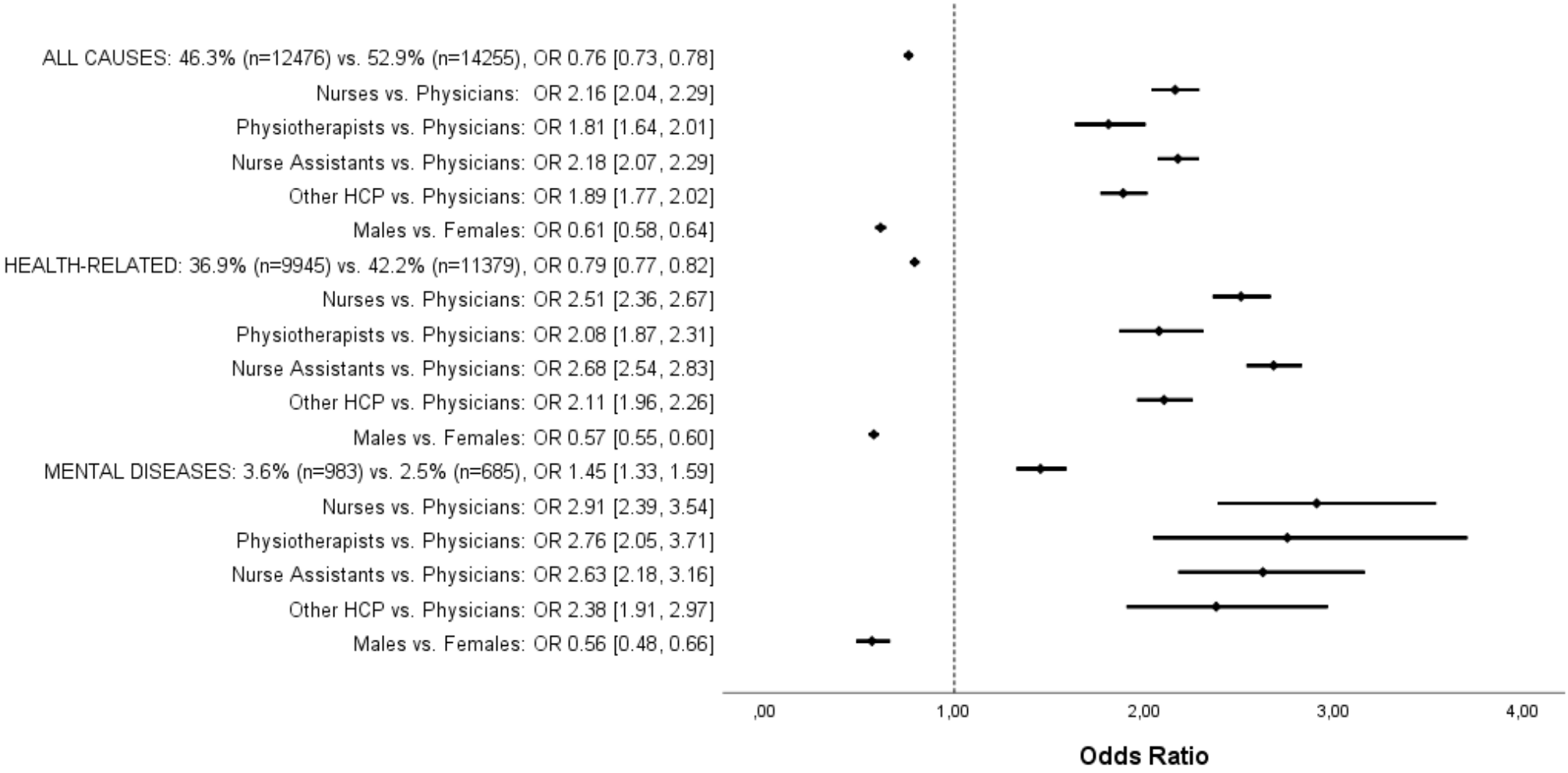
Graph

Figure - Comparisons between exposed vs. non-exposed individuals (N=32961) regarding several causes of work absences (unadjusted)



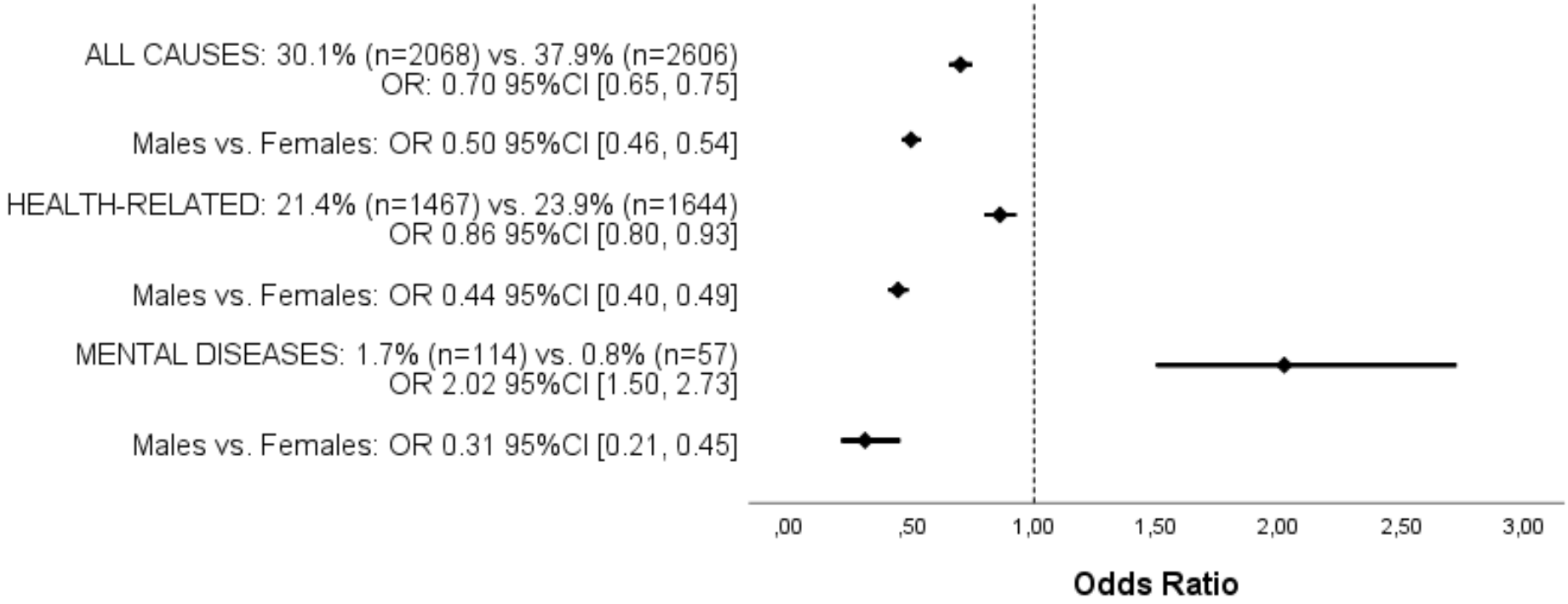
Graph

Figure - Comparisons between exposed vs. non-exposed Healthcare Professionals (N=26956) regarding work absences due to All Causes, Health-Related Causes and Mental Diseases, adjusted for differences in HCP categories and gender



Graph

Figure - Comparisons between exposed vs. non-exposed PHYSICIANS (N = 6871) regarding work absences due to All Causes, Health-Related Causes and Mental Diseases, adjusted for gender differences



Custom Tables

				Exposure to the pandemia environment			
				Non-Exposed (2019)		Exposed (2020)	
				Count	Column N %	Count	Column N %
Healthcare provider category	Physicians	Any work absence due to ALL CAUSES occurred in the period	No	4265	62,1%	4803	69,9%
			Yes	2606	37,9%	2068	30,1%
			Total	6871	100,0%	6871	100,0%
		Any work absence due to HEALTH-RELATED CAUSES occurred in the period	No	5227	76,1%	5404	78,6%
			Yes	1644	23,9%	1467	21,4%
			Total	6871	100,0%	6871	100,0%
		Any work absence due to MENTAL DISEASE occurred in the period	No	6814	99,2%	6757	98,3%
			Yes	57	0,8%	114	1,7%
			Total	6871	100,0%	6871	100,0%
	Nurses	Any work absence due to ALL CAUSES occurred in the period	No	2226	40,0%	2668	47,9%
			Yes	3344	60,0%	2902	52,1%
			Total	5570	100,0%	5570	100,0%
		Any work absence due to HEALTH-RELATED CAUSES occurred in the period	No	2808	50,4%	3214	57,7%
			Yes	2762	49,6%	2356	42,3%
			Total	5570	100,0%	5570	100,0%
		Any work absence due to MENTAL DISEASE occurred in the period	No	5382	96,6%	5300	95,2%
			Yes	188	3,4%	270	4,8%
			Total	5570	100,0%	5570	100,0%
	Physiotherapists	Any work absence due to ALL CAUSES occurred in the period	No	454	44,6%	547	53,7%
			Yes	565	55,4%	472	46,3%

		Total	1019	100,0%	1019	100,0%
	Any work absence due to HEALTH-RELATED CAUSES occurred in the period	No	564	55,3%	649	63,7%
		Yes	455	44,7%	370	36,3%
		Total	1019	100,0%	1019	100,0%
	Any work absence due to MENTAL DISEASE occurred in the period	No	988	97,0%	973	95,5%
		Yes	31	3,0%	46	4,5%
		Total	1019	100,0%	1019	100,0%
Nurse assistants	Any work absence due to ALL CAUSES occurred in the period	No	4331	42,2%	4711	45,9%
		Yes	5935	57,8%	5555	54,1%
		Total	10266	100,0%	10266	100,0%
	Any work absence due to HEALTH-RELATED CAUSES occurred in the period	No	5171	50,4%	5652	55,1%
		Yes	5095	49,6%	4614	44,9%
		Total	10266	100,0%	10266	100,0%
	Any work absence due to MENTAL DISEASE occurred in the period	No	9936	96,8%	9837	95,8%
		Yes	330	3,2%	429	4,2%
		Total	10266	100,0%	10266	100,0%
Other HCP	Any work absence due to ALL CAUSES occurred in the period	No	1425	44,1%	1751	54,2%
		Yes	1805	55,9%	1479	45,8%
		Total	3230	100,0%	3230	100,0%
	Any work absence due to HEALTH-RELATED CAUSES occurred in the period	No	1807	55,9%	2092	64,8%
		Yes	1423	44,1%	1138	35,2%
		Total	3230	100,0%	3230	100,0%
	Any work absence due to MENTAL DISEASE occurred in the period	No	3151	97,6%	3106	96,2%
		Yes	79	2,4%	124	3,8%
		Total	3230	100,0%	3230	100,0%
Total	Any work absence due to ALL CAUSES occurred in the period	No	12701	47,1%	14480	53,7%
		Yes	14255	52,9%	12476	46,3%
		Total	26956	100,0%	26956	100,0%
	Any work absence due to HEALTH-	No	15577	57,8%	17011	63,1%

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	RELATED CAUSES occurred in the period	Yes	11379	42,2%	9945	36,9%
		Total	26956	100,0%	26956	100,0%
	Any work absence due to MENTAL DISEASE occurred in the period	No	26271	97,5%	25973	96,4%
		Yes	685	2,5%	983	3,6%
		Total	26956	100,0%	26956	100,0%