Supplementary Material

Supplementary S1

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SURVEY PARENTS

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1) Gender
   □ Female □ Male

2) Age
   □ ≤ 30 yrs   □ 31-40 yrs   □ 41-50 yrs   □ > 50 yrs

3) Educational level
   □ Primary school □ Lower secondary school □ Upper secondary school □ Higher education (degree and Ph.D)

4) Which grade does your child attend?
   □ 1st grade   □ 2nd grade   □ 3rd grade   □ 4th grade   □ 5th grade

5) How many hours per week did your child spend in close contact with the primary tuberculosis case?
   □ None   □ Less than one   □ From one to five   □ From six to ten   □ More than ten

6) Did you know about tuberculosis as a disease before the recent events occurred at school?
   □ Yes   □ No

7) Were you aware of tuberculosis cases in your province of residence in the last 2 years?
   □ Yes   □ No

8) What was your perception of risk when you became aware of these tuberculosis cases?
   □ No risk   □ Low risk   □ Moderate risk   □ High risk

9) What is your current perception of risk also considering the interventions carried out by the LHA?
   □ No risk   □ Low risk   □ Moderate risk   □ High risk

10) Do you think the intervention of the LHA following the notification of the first case of tuberculosis was timely?
□ Yes   □ No

11) Were the meetings with the LHA operators useful in clearly defining the situation?
□ Yes   □ No

11.1) If you answered No to the previous question, what do you think was missing?
   □ I wanted more meetings   □ Conflicting explanations were given □ The meetings were delayed
   □ Communication was not transparent □ The risk was underestimated   □ Other

12) What aspect of the current tuberculosis outbreak caused you the greatest concern?
   □ The number of notified cases   □ The type of disease
   □ The fact that it happened at school   □ The fear of being affected by tuberculosis □ Other fears

12.1) If you answered Other fears, specify your greatest concern _____

13) Which sources of information did you preferentially use to find out about the disease and its possible consequences?

   □ Institutional websites (Ministry of Health, Epicentro website of the National Health Institute)
   □ Search on specialized websites   □ Social networks □ Television and newspapers
   □ Healthcare staff of Local Health Authority   □ General practitioner and pediatrician
   □ Other healthcare professional   □   Other people

SURVEY SCHOOL STAFF

1) Gender
    □ Female   □ Male

2) Age
    □ ≤ 30 yrs   □ 31-40 yrs   □ 41-50 yrs   □ > 50 yrs

3) Occupation
    □ Teacher   □ Auxiliary staff

4) In which grade do you teach or carry out activities?
    □ 1st grade   □ 2nd grade   □ 3rd grade   □ 4th grade   □ 5th grade

5) How many hours per week did you spend in close contact with the primary tuberculosis case?
    □ None   □ Less than one   □ From one to five   □ From six to ten   □ More than ten

6) Did you know about tuberculosis as a disease before the recent events occurred at school?
    □ Yes   □ No

7) Were you aware of tuberculosis cases in your province of residence in the last 2 years?
    □ Yes   □ No

8) What was your perception of risk when you became aware of these tuberculosis cases?
    □ No risk   □ Low risk   □ Moderate risk   □ High risk

9) What is your current perception of risk also considering the intervention carried out by the LHA?
    □ No risk   □ Low risk   □ Moderate risk   □ High risk

10) Do you think the intervention of the LHA following the notification of the first case of tuberculosis was timely?
    □ Yes   □ No

11) Were the meetings with the LHA operators useful in clearly defining the situation?
    □ Yes   □ No

11.1) If you answered No to the previous question, what do you think was missing?
  □ I wanted more meetings   □ Conflicting explanations were given □ The meetings were delayed
  □ Communication was not transparent   □ The risk was underestimated   □ Other

12) What aspect of the current tuberculosis outbreak caused you the greatest concern?
  □ The number of notified cases   □ The type of disease
  □ The fact that it happened at school   □ The fear of being affected by tuberculosis □ Other fears

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  □ Other healthcare professional   □ Other people

Table S2: Sign test of matched pairs and Wilcoxon matched-pairs signed-ranks test for parents

Sign	Observed, n	Expected, n	Sum ranks, n	Expected, n
positive	375	231.5	192583	118528
negative	88	231.5	44473	118528
zero	280	280	39340	39340
all	743	743	276396	276396

<u>Sign test</u>

Two-sided test:
  Ho: median of risk_perceptionT0 – risk_perceptionT1 = 0 vs.
  Ha: median of risk_perceptionT0 – risk_perceptionT1 != 0
    Pr(#positive >= 375 or #negative >= 375) =
      min(1, 2*Binomial(n = 463, x >= 375, p = 0.5)) < 0.0001

<u>Sign rank</u>

unadjusted variance   34250071
adjustment for ties   -853220.5
<u>adjustment for zeros   -1839145</u>
adjusted variance   31557706

Ho: risk_perceptionT0 = risk_perceptionT1
 z = 13.183
 Prob > |z| < 0.0001

Table S3: Sign test of matched pairs and Wilcoxon matched-pairs signed-ranks test for school staff

Sign	Observed, n	Expected, n	Sum ranks, n	Expected, n
positive	27	15.5	1310	744
negative	4	15.5	178	744
zero	32	32	528	528
all	63	63	2016	2016

<u>Sign test</u>

Two-sided test:

  Ho: median of risk_perceptionT0 – risk_perceptionT1 = 0 vs.

  Ha: median of risk_perceptionT0 – risk_perceptionT1!= 0

    Pr(#positive >= 27 or #negative >= 27) =

      min(1, 2*Binomial(n = 31, x >= 27, p = 0.5)) < 0.0001

<u>Sign rank</u>

unadjusted variance   21336.00
adjustment for ties   -294.50
<u>adjustment for zeros   -2860.00</u>
adjusted variance   18181.50

Ho: risk_perceptionT0 = risk_perceptionT1

z = 4.198

Prob > |z| < 0.0001