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Text S1. Contact recording form (in Chinese)

A.幼儿园接触模式调查表（活动）

基本情况	问卷编号		观察员	
	观察日期		负责班级	
	观察对象姓名 (或学号)		出生日期 (或年龄)	
	观察对象性别		所在教室	
	当日班级学生数		负责老师	
呼吸道	当日呼吸道症状	<input type="checkbox"/> 流鼻涕 <input type="checkbox"/> 打喷嚏 <input type="checkbox"/> 咳嗽(可多选)    补充: _____		
活动	场地位置	<input type="checkbox"/> 教室 <input type="checkbox"/> 走廊 <input type="checkbox"/> 操场 补充: _____	场地情况	<input type="checkbox"/> 课间 <input type="checkbox"/> 固定授课 <input type="checkbox"/> 室内活动 <input type="checkbox"/> 室外活动 <input type="checkbox"/> 室内就餐
	开始至结束时间	_____至_____	场地人数	人数: _____ <input type="checkbox"/> 1-5 人 <input type="checkbox"/> 6-10 人 <input type="checkbox"/> 11-15 人 <input type="checkbox"/> 16-20 人 <input type="checkbox"/> 21-25 人 <input type="checkbox"/> > 25 人
	个人防护	<input type="checkbox"/> 全程佩戴口罩 <input type="checkbox"/> 全程未佩戴 <input type="checkbox"/> 部分时段佩戴	备注	
活动	场地位置	<input type="checkbox"/> 教室 <input type="checkbox"/> 走廊 <input type="checkbox"/> 操场 补充: _____	场地情况	<input type="checkbox"/> 固定授课 <input type="checkbox"/> 室内活动 <input type="checkbox"/> 室外活动 <input type="checkbox"/> 室内就餐 补充: _____
	开始至结束时间	_____至_____	场地人数	人数: _____ <input type="checkbox"/> 1-5 人 <input type="checkbox"/> 6-10 人 <input type="checkbox"/> 11-15 人 <input type="checkbox"/> 16-20 人 <input type="checkbox"/> 21-25 人 <input type="checkbox"/> > 25 人
	个人防护	<input type="checkbox"/> 全程佩戴口罩 <input type="checkbox"/> 全程未佩戴 <input type="checkbox"/> 部分时段佩戴	备注	
活动	场地位置	<input type="checkbox"/> 教室 <input type="checkbox"/> 走廊 <input type="checkbox"/> 操场 补充: _____	场地情况	<input type="checkbox"/> 固定授课 <input type="checkbox"/> 室内活动 <input type="checkbox"/> 室外活动 <input type="checkbox"/> 室内就餐 补充: _____
	开始至结束时间	_____至_____	场地人数	人数: _____ <input type="checkbox"/> 1-5 人 <input type="checkbox"/> 6-10 人 <input type="checkbox"/> 11-15 人 <input type="checkbox"/> 16-20 人 <input type="checkbox"/> 21-25 人 <input type="checkbox"/> > 25 人
	个人防护	<input type="checkbox"/> 全程佩戴口罩 <input type="checkbox"/> 全程未佩戴 <input type="checkbox"/> 部分时段佩戴	备注	
活动	场地位置	<input type="checkbox"/> 教室 <input type="checkbox"/> 走廊 <input type="checkbox"/> 操场 补充: _____	场地情况	<input type="checkbox"/> 固定授课 <input type="checkbox"/> 室内活动 <input type="checkbox"/> 室外活动 <input type="checkbox"/> 室内就餐 补充: _____
	开始至结束时间	_____至_____	场地人数	人数: _____ <input type="checkbox"/> 1-5 人 <input type="checkbox"/> 6-10 人 <input type="checkbox"/> 11-15 人 <input type="checkbox"/> 16-20 人 <input type="checkbox"/> 21-25 人 <input type="checkbox"/> > 25 人
	个人防护	<input type="checkbox"/> 全程佩戴口罩 <input type="checkbox"/> 全程未佩戴 <input type="checkbox"/> 部分时段佩戴	备注	
活动	场地位置	<input type="checkbox"/> 教室 <input type="checkbox"/> 走廊 <input type="checkbox"/> 操场 补充: _____	场地情况	<input type="checkbox"/> 固定授课 <input type="checkbox"/> 室内活动 <input type="checkbox"/> 室外活动 <input type="checkbox"/> 室内就餐 补充: _____
	开始至结束时间	_____至_____	场地人数	人数: _____ <input type="checkbox"/> 1-5 人 <input type="checkbox"/> 6-10 人 <input type="checkbox"/> 11-15 人 <input type="checkbox"/> 16-20 人 <input type="checkbox"/> 21-25 人 <input type="checkbox"/> > 25 人
	个人防护	<input type="checkbox"/> 全程佩戴口罩 <input type="checkbox"/> 全程未佩戴 <input type="checkbox"/> 部分时段佩戴	备注	

B.幼儿园接触模式调查表（接触）

基本情况	问卷编号				观察员			
	观察日期				观察对象			
活动	接触对象	对象身份	A 主动间接	a 被动间接	B 主动肢体	b 被动肢体	C 主动皮肤	c 被动皮肤
活动 1		<input type="checkbox"/> 本班学生 <input type="checkbox"/> 外班学生 <input type="checkbox"/> 老师 <input type="checkbox"/> 其他人员						
活动		<input type="checkbox"/> 本班学生 <input type="checkbox"/> 外班学生 <input type="checkbox"/> 老师 <input type="checkbox"/> 其他人员						
活动		<input type="checkbox"/> 本班学生 <input type="checkbox"/> 外班学生 <input type="checkbox"/> 老师 <input type="checkbox"/> 其他人员						
活动		<input type="checkbox"/> 本班学生 <input type="checkbox"/> 外班学生 <input type="checkbox"/> 老师 <input type="checkbox"/> 其他人员						
活动		<input type="checkbox"/> 本班学生 <input type="checkbox"/> 外班学生 <input type="checkbox"/> 老师 <input type="checkbox"/> 其他人员						
活动		<input type="checkbox"/> 本班学生 <input type="checkbox"/> 外班学生 <input type="checkbox"/> 老师 <input type="checkbox"/> 其他人员						
活动		<input type="checkbox"/> 本班学生 <input type="checkbox"/> 外班学生 <input type="checkbox"/> 老师 <input type="checkbox"/> 其他人员						
活动		<input type="checkbox"/> 本班学生 <input type="checkbox"/> 外班学生 <input type="checkbox"/> 老师 <input type="checkbox"/> 其他人员						
活动		<input type="checkbox"/> 本班学生 <input type="checkbox"/> 外班学生 <input type="checkbox"/> 老师 <input type="checkbox"/> 其他人员						
活动		<input type="checkbox"/> 本班学生 <input type="checkbox"/> 外班学生 <input type="checkbox"/> 老师 <input type="checkbox"/> 其他人员						

## Text S2. Contact recording form (translated version, in English)

*Note that the following translation of the contact recording form is intended only for international readers to understand the context (i.e., it was not used for contact recording).*





### A. Contact patterns recording form (activities)





Form ID: _____		Observer: _____		
Date of observation: _____		Class: _____		
Subject name and ID: _____		Date of birth: _____		
Sex: _____		Classroom: _____		
Number of attendees: _____		Teacher(s): _____		
Any respiratory symptoms observed from the subject during the observation. <input type="checkbox"/> Runny nose <input type="checkbox"/> Cough <input type="checkbox"/> Sneeze <input type="checkbox"/> Other symptoms: _____				
Time: _____  Activity ID: <u>1.</u>  Activity: _____ (Free text)	Location: <input type="checkbox"/> Classroom <input type="checkbox"/> Corridor <input type="checkbox"/> Playfield <input type="checkbox"/> Others _____	Type of the activity: <input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor <input type="checkbox"/> Learning <input type="checkbox"/> Dining <input type="checkbox"/> Others	Total number of people in this location : <input type="checkbox"/> 1-5 <input type="checkbox"/> 6-10 <input type="checkbox"/> 11-15 <input type="checkbox"/> 16-20 <input type="checkbox"/> 21-25 <input type="checkbox"/> > 25	Wearing a mask or not : <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Part of the time
Time: _____  Activity ID: <u>2.</u>  Activity: _____ (Free text)	Location: <input type="checkbox"/> Classroom <input type="checkbox"/> Corridor <input type="checkbox"/> Playfield <input type="checkbox"/> Others _____	Type of the activity: <input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor <input type="checkbox"/> Learning <input type="checkbox"/> Dining <input type="checkbox"/> Others	Total number of people in this location : <input type="checkbox"/> 1-5 <input type="checkbox"/> 6-10 <input type="checkbox"/> 11-15 <input type="checkbox"/> 16-20 <input type="checkbox"/> 21-25 <input type="checkbox"/> > 25	Wearing a mask or not : <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Part of the time
Time: _____  Activity ID: <u>3.</u>  Activity: _____ (Free text)	Location: <input type="checkbox"/> Classroom <input type="checkbox"/> Corridor <input type="checkbox"/> Playfield <input type="checkbox"/> Others _____	Type of the activity: <input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor <input type="checkbox"/> Learning <input type="checkbox"/> Dining <input type="checkbox"/> Others	Total number of people in this location : <input type="checkbox"/> 1-5 <input type="checkbox"/> 6-10 <input type="checkbox"/> 11-15 <input type="checkbox"/> 16-20 <input type="checkbox"/> 21-25 <input type="checkbox"/> > 25	Wearing a mask or not : <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Part of the time
...	...	...	...	...

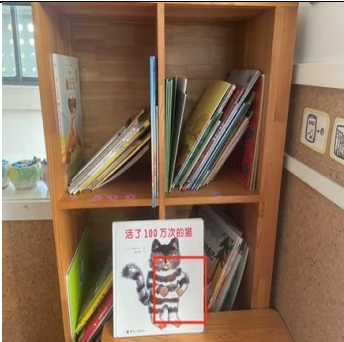



B. Contact patterns recording form (contacts)

Form ID				Observer				
Date of observation				Subject				
Activity	Person in contact		Mode of contacts (mutually exclusive)					
	ID/name	Category	(A) Verbal active	(a) Verbal passive	(B) Non-skin active	(b) Non-skin passive	(C) Skin active	© Skin passive
Activity 1		<input type="checkbox"/> Same class <input type="checkbox"/> Other class <input type="checkbox"/> Teacher <input type="checkbox"/> Others						
Activity 2		<input type="checkbox"/> Same class <input type="checkbox"/> Other class <input type="checkbox"/> Teacher <input type="checkbox"/> Others						
Activity 3		<input type="checkbox"/> Same class <input type="checkbox"/> Other class <input type="checkbox"/> Teacher <input type="checkbox"/> Others						
...		...						





Table S1. List of touch surfaces for environmental sample collection.





Setting	Description	Photo
The classroom of the lower grade	Toy storage box surface <ul style="list-style-type: none"><li>Pooled sample of the edges of the toy storage box.</li></ul>	
The classroom of the lower grade	Student desk surface <ul style="list-style-type: none"><li>Covering the 10cm*10cm area of the desk.</li></ul>	
The classroom of the lower grade	The door knob to the nap room <ul style="list-style-type: none"><li>The front and rear handles of the door (pooled sample).</li></ul>	
The classroom of the lower grade	Water dispenser switches <ul style="list-style-type: none"><li>The two switches (pooled sample).</li></ul>	

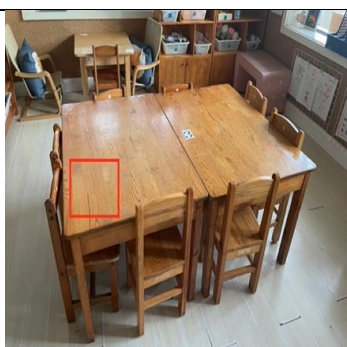



Setting	Description	Photo
The classroom of the lower grade	Washroom faucets <ul style="list-style-type: none"> <li>Two water faucets (pooled sample).</li> </ul>	
The classroom of the lower grade	Books for reading <ul style="list-style-type: none"> <li>The front and back of the book (pooled sample).</li> </ul>	
The classroom of the lower grade	The door knob to the entrance of the classroom <ul style="list-style-type: none"> <li>The front and rear handles of the door (mixed sample).</li> <li>Expected to be less frequently touched by students (as control)</li> </ul>	
The classroom of the lower grade	The classroom light switch <ul style="list-style-type: none"> <li>Expected to be less frequently touched by students (as control)</li> </ul>	

Setting	Description	Photo
The classroom of the middle grade	Books for reading <ul style="list-style-type: none"><li>Mixing the front and back of the book.</li></ul>	
The classroom of the middle grade	The classroom light switch	
The classroom of the middle grade	Washroom faucets <ul style="list-style-type: none"><li>Two water faucets (pooled sample).</li></ul>	
The classroom of the middle grade	Student desk surface <ul style="list-style-type: none"><li>Covering the 10cm*10cm area of the desk.</li></ul>	



Setting	Description	Photo
The classroom of the middle grade	<div>Toy storage box surface</div> <ul style="list-style-type: none"><li>Pooled sample of the edges of the toy storage box.</li></ul>	
The classroom of the middle grade	<div>Pens (for drawing)</div>	
The classroom of the middle grade	<div>The door knob to the entrance of the classroom</div> <ul style="list-style-type: none"><li>The front and rear handles of the door (mixed sample).</li><li>Expected to be less frequently touched by students (as control)</li></ul>	
The classroom of the middle grade	<div>Water dispenser switches</div> <ul style="list-style-type: none"><li>The two switches (pooled sample).</li></ul>	

Setting	Description	Photo
The classroom of the upper grade	The classroom light switch <ul style="list-style-type: none"> <li>Expected to be less frequently touched by students (as control)</li> </ul>	
The classroom of the upper grade	Toy storage box surface <ul style="list-style-type: none"> <li>Pooled sample of the edges of the toy storage box.</li> </ul>	
The classroom of the upper grade	Books for reading <ul style="list-style-type: none"> <li>Mixing the front and back of the book.</li> </ul>	
The classroom of the upper grade	Washroom faucets <ul style="list-style-type: none"> <li>Two water faucets (pooled sample).</li> </ul>	

Setting	Description	Photo
The classroom of the upper grade	Student desk surface <ul style="list-style-type: none"> <li>Covering the 10cm*10cm area of the desk.</li> </ul>	
The classroom of the upper grade	Pens (for drawing)	
The classroom of the upper grade	Water dispenser switches <ul style="list-style-type: none"> <li>The two switches (pooled sample).</li> </ul>	
The classroom of the upper grade	The door knob to the entrance of the classroom <ul style="list-style-type: none"> <li>Mixing the front and rear handles of the door.</li> </ul>	

Setting	Description	Photo
Communal areas	Staircase handrails <ul style="list-style-type: none"> <li>Between the first and second floors.</li> <li>Covering the 10cm*10cm area of the handrail.</li> </ul>	
Communal areas	Bicycle handrails <ul style="list-style-type: none"> <li>Pooled sample of two handrails of the bicycle.</li> </ul>	
Communal playground	Children's slide handrail (plastic) <ul style="list-style-type: none"> <li>Covering the 10cm*10cm area of the handrail.</li> </ul>	
Communal playground	Children's slide handrail (wood) <ul style="list-style-type: none"> <li>Covering the 10cm*10cm area of the handrail.</li> </ul>	