

COVID-19 Surveillance in Children attending secondary schools

Short Title: COVID-19 Surveillance in Secondary Schools (code: **sKIDsPLUS**)

PHE R&D REGG Ref

Protocol Version: 1.1

Date: 23 August 2020

Sponsor: Public Health England,
Wellington House
133-155 Waterloo Road,
London SE1 8UG

Chief Investigator: Dr Shamez Ladhani, Public Health England, Colindale

PHE Colindale: Prof Mary Ramsay, Dr Gayatri Amirthalingam
Prof Maria Zambon, Zahin Amin-Chowdhury,
Meaghan Kall

PHE Coordinator Dr Jessica Flood. Felicity Aiano

Community Team: Dr Joanne Beckmann (East London), Dr Frances Baawuah (North London). Dr Shazaad Ahmad (Manchester), Dr Ifeanyichukwu Okike (Derby), Dr Joanna Garstang (Birmingham)

Investigator Agreement

"I have read this protocol and agree to abide by all provisions set forth therein. I agree to comply with the International Conference on Harmonisation Tripartite Guideline on Good Clinical Practice"

Chief Investigator Name _____ **Signature** _____ **Date** _____

Dr Shamez Ladhani

Principal Investigator Name _____ **Signature** _____ **Date** _____

Dr Joanne Beckmann

Dr Frances Baawuah

Dr Shazaad Ahmad

Dr Ifeanyichukwu Okike

Dr Joanna Garstang

Table of Contents

1.0	AMENDMENT HISTORY	4
2.0	BACKGROUND AND RATIONALE	5
3.0	OBJECTIVES	5
3.1	Primary Objective.....	5
3.2	Secondary Objectives	5
4.0	SITES, PARTICIPATION AND ELIGIBILITY	6
4.1	Sites.....	6
4.1	Participation.....	6
4.2	Subject Eligibility	6
4.2.1	Inclusion Criteria.....	7
2	Exclusion criteria:.....	7
4.3	Procedures	7
4.3.3	Qualitative Research	8
4.3.5	Testing samples	8
4.3.6	Data entry, analysis and presentation.....	9
4.3.7	Withdrawal of Participants	10
5.0	NUMBER OF SUBJECTS	10
6.0	COMPLIANCE WITH GUIDELINES	10
7.0	ETHICAL APPROVAL	11
7.1	Participant Confidentiality	12
7.2	Patient and Public Involvement (PPI)	13
8.0	TARGET DATES	13
	APPENDIX 1: PARENTS/GUARDIANS	14
	APPENDIX 2: STUDENTS (UNDER 16 YEARS)	22
	APPENDIX 3: STUDENTS (16 YEARS AND OVER)	24
	APPENDIX 4: STAFF	32
	APPENDIX 5	40
	APPENDIX 6	42
	APPENDIX 7	43
	APPENDIX 8	44
	APPENDIX 9	45

1.0 AMENDMENT HISTORY

Amendment No.	Protocol Version	Date issued	Author(s) of changes	<i>Details of Changes made</i>
<i>1</i>	<i>1.1</i>	<i>23 August 2020</i>	<i>Shamez Ladhani</i>	<i>Minor amendments following REGG review</i>

2.0 BACKGROUND AND RATIONALE

In December 2019, a novel infection “severe acute respiratory syndrome coronavirus 2” (SARS-CoV-2) was identified in the Wuhan region of China and is currently causing a global pandemic. SARS-CoV-2 causing coronavirus disease 2019 (COVID-19), which is primarily a respiratory illness that can be severe and fatal, especially in older adults. Severe COVID-19 is associated with pneumonia and damage to vital organs including lung, heart, liver, and kidney.

Very little is known about COVID-19 in children and young people. In particular, we do not know if children and young people in educational settings might have SARS-CoV-2 infection and, therefore, could potentially transmit the infection to others. In England, the emergence of SARS-CoV-2 led to national lockdown with closure of all educational settings in late March 2020. Children and young people of key workers, however, continued to attend school throughout the outbreak. Cases in England increased rapidly until mid-April before declining gradually.

From 01 June 2020, as part of easing of the lockdown, some classes were allowed to return to preschools and primary school and, from 15 June, two classes (years 10 and 12) attended schools, but with strict social distancing and infection control measures in place, including significantly small class sizes and only a proportion of students of any age attending school at any time. In September, all students will be allowed to attend school.

In June 2020, we initiated COVID-19 surveillance in preschools and primary schools. We would now like to extend this surveillance to secondary schools and colleges starting in September 2020. This will be done by inviting staff and students of secondary schools and colleges to take part in the sKIDsPLUS study. The surveillance will involve completing an online consent form, online questionnaire and having a nose swab taken to test for the virus and a blood sample to test for antibodies against the virus. The samples will be taken at the beginning of the first term and at the end of each term in the next school year. The information we collect will help provide critical information to allow the safe return of staff and students to secondary schools and colleges.

3.0 OBJECTIVES

3.1 Primary Objective

- To assess SARS-CoV-2 infection and antibody levels in staff and students attending secondary schools and colleges in England

3.2 Secondary Objectives

- To monitor changes in antibody levels during the school year
- To understand infection and transmission dynamics of SARS-CoV-2 in secondary schools and colleges

- To understand the impact of COVID-19 on staff, students and their families in secondary schools and colleges through qualitative research

4.0 SITES, PARTICIPATION AND ELIGIBILITY

4.1 Sites

- We plan to recruit secondary schools and colleges in England in September 2020
- Initially, a convenience samples of 20 secondary schools and colleges will be recruited across England
- The aim is to recruit staff working in the secondary schools and colleges and students in:
 - Key stage 3: Years 7-9 (students aged between 10 and 13 years) old
 - Key stage 4: Years 10 and 11(students aged between 14 and 15 years)
 - 16-18 year-olds in secondary schools
 - 16-18 year-olds in colleges
- The number of schools and regions may extend to other parts of the country if needed
- The investigators will approach local secondary schools and colleges to take part in the surveillance

4.1 Participation

- Head teachers of participating secondary schools and colleges will provide information about the surveillance to staff, parents of students and students by emailing the study link to eligible school year students' parents/ students and all staff in their school.
- Participants will be provided with an electronic link to information about the surveillance, online consent and, after consent, a short online questionnaire
- Multiple children from one family can participate but separate consent will be sought for each child
- We will ask parents/guardians to involve their children by explaining why this surveillance is being undertaken and how their children can help by taking part.
- Age-appropriate information will be provided for the students.
- Students 16 years and over will be able to complete their own online consent. It is expected that students aged 16 years and over will have discussed their participation with their parents/guardians.
- All the electronic information will be received and stored securely at PHE

4.2 Subject Eligibility

- Students and staff members attending secondary school and colleges in the 2020/21 school year

4.2.1 Inclusion Criteria

- Staff members and 16-18 year-old students in invited school and college years who provide online consent and complete an online questionnaire
- Students in invited school years whose parents/ guardians provide an online consent and complete an online questionnaire

2 Exclusion criteria:

- Staff members and students whose parents/guardians do not provide online consent.
- Students 16 years and over who do not provide online consent

4.3 Procedures

- Parents/ guardians of all students in school years of participating secondary schools and colleges will be invited to take part in the surveillance.
- Staff and 16-18 year-old students of the participating secondary schools and colleges will also be asked to participate at the same time
- Students who are 16 years and over will also be invited to participate
- Participation will involve providing online consent and completing a short questionnaire
- We will collect information about all household members so that we can assess SARS-CoV-2 infections in secondary schools and colleges as well as household members of staff and students
- Following completion of the online consent and questionnaire, the information will be collected at PHE Colindale and barcoded stickers with participant name and date of birth will be printed. These stickers will be used to label all the samples taken at participating schools and link the results back to the individual participants.
- Sampling will take place on site in school, at an agreed nearby facility (e.g. child health centre) or at home in exceptional circumstances.
- Where possible, testing will take place on a single day; alternatively, additional days may be agreed between the school and colleges and the surveillance team, which may take place in school or college or a nearby setting agreed by the school or college.
- We will ask the head teacher to notify the participants about the date of our study visit in advance. We will also inform the participants by text/emails as required.
- The following samples will be taken at each visit from the children and staff who agree to participate:
 - Nose swabs and blood samples (5-10 mls) will be taken from consenting participants at recruitment, and at the end of each school term (typically, December 2020, March/April 2021 and June/July 2021)

- At some sites, oral fluid samples and/or finger prick test may also be collected if needed. These additional tests may allow for the development of new tests for adults and children and replace the need for blood tests in the future.
- To minimise distress to the students we will offer topical anaesthetic cream or cold (anaesthetic) spray for the blood test
- Where a blood sample cannot be obtained either because blood sampling is difficult, unsuccessful or too distressing, a finger prick test may be offered.
- Staff members and students will be asked to self-sample with the nose swab under supervision; at some sites, an additional nasal swab may be taken by the surveillance team to assess the feasibility of students taking their own swabs if needed for future surveillance
- All samples will be labelled with participant details, appropriately packed and couriered to PHE, where they will be processed and stored until they are all tested
Staff and parents/guardians and 16-18 year-olds will be asked to report any COVID-19 related illnesses in their household to the surveillance team by phone/email/online link, along with results of any tests performed to diagnose the illness.
- The study will seek to achieve high levels of follow-up for enrolled participants. Where necessary this will include making special arrangements to conduct subsequent appointments where students are not in school or college on follow-up study visit days
- We will not be recruiting any additional participants after the first visit. Only those participants recruited by visit 1 will be tested in subsequent visits.

4.3.3 Qualitative Research

In participating schools and colleges, staff, parents of students and the students themselves will be asked to complete short online questionnaires in relation to their experience of the COVID-19 pandemic, returning to school and taking part in school and college-based research. A social science researcher may contact some of the participating schools and colleges and conduct more detailed interviews with a small number of staff, students and parents to assess their views on the same topics. Separate ethics approval will be sought for this component of the study.

4.3.5 Testing samples

- The swabs will be tested in a PHE laboratory. Every attempt will be made to report any positive swab results to individuals and schools as quickly as possible, ideally within 48 hours.
- The results of positive swabs will be provided to the participant and the school coordinator so that early and appropriate actions are taken to ensure the safety of students and staff
- Positive test results will also be reported to the test and trace team and the local health protection team

- Participants will be asked to follow the national and schools and colleges guidelines on what to do if a participant tests positive. This includes self-isolation of the positive participant and household contacts.
- Additional investigations (e.g. swabs and antibody testing) may be performed following agreement with the participant and household members
- Additional investigations in the wider educational settings may also be undertaken in collaboration with the local health protection team, especially if more than one case is confirmed in a school
- The blood samples from participating sites will be tested for SARS-CoV-2 antibodies using a validated assay at a PHE laboratory and reported back to the participants.
- Because this is a national surveillance study, the results of the antibody tests may take several weeks before they become available because of the large number of surveillance programmes being undertaken by PHE
- Any remaining serum sample at the end of the survey will be stored for future tests that might help us better understand viral infections and immunity – specific consent will be obtained from participants
- The surveillance will be co-ordinated by PHE Colindale

4.3.6 Data entry, analysis and presentation

SnapSurvey will be the software used for online consent and data collections. PHE holds a standalone license for SnapSurvey and is installed on a secure, dedicated virtual machine is hosted on our PHE VMware Platform. The online questionnaire is hosted on a secure HTTPS connection and data are encrypted at the point of transmission and stored at rest on the virtual machine. Data will only be used for the purposes of this study, stored in secure PHE facilities on 256 bit encrypted servers with restricted access at PHE. Identifiable data will be destroyed at the end of the study.

Data collected by the study will be treated as strictly confidential and handled in accordance with the General Data Protection Act (GDPR) and Data Protection Act 1998, Caldicott guidelines and Section 251 of the NHS Act. The online questionnaire is hosted on a secure HTTPS connection and data are encrypted at the point of transmission and stored at rest on a secure, dedicated virtual server hosted at PHE. The results of the nasal swabs will provide a point prevalence of SARS-CoV-2 in staff and students at each sampling timepoint. The blood sample results will provide seroprevalence of SARS-CoV-2 antibodies at each sampling timepoint and changes in antibody levels over the course of the school year. The results of the surveillance will be reported to relevant authorities in PHE, Department of Health and Social Care and Department of Education. A paper containing the overall results of the tests may be submitted for publication in a peer-reviewed journal. An anonymised copy of the dataset will be placed in the Office for National Statistics Secure Research Service for the purposes of wider

re-use for statistics and research purposes, subject to all relevant legal, statutory and policy requirements and safeguards.

4.3.7 Withdrawal of Participants

Staff and parents/guardians of participating students and students themselves are free to withdraw consent at any time without providing a reason and without any resulting detriment. The rights and welfare of the staff and families will be protected and will not be affected in any way. They can do this by sending an email to skidsplus@phe.gov.uk including their name and date of birth.

5.0 NUMBER OF SUBJECTS

Participating schools and colleges will invite students in pre-selected school years for the surveillance. Around 300 participants (~75 staff / ~225 students) in each secondary school or college will be recruited, although this may vary depending on the size and type of school or college. This means that our recruitment target will be 6000 from the 20 schools/colleges (4500 students and 1500 staff). This is a convenience sample of schools and colleges and participants for surveillance of SARs-CoV-2 infection and transmission in secondary schools and colleges. This study aims to assess infection and transmission of SARS-CoV-2 in participating schools. It is not aimed at estimating national or regional infection or seropositivity rates. . Site selection will be based on the willingness of the school/college to participate in the surveillance and the availability of a local PHE investigation team.

Changes in antibody prevalence rates during the course of the school year will provide useful information on the rate of virus exposure in staff and students. The antibody results can be compared with other PHE surveillance programmes on COVID-19 in the community. Any additional investigations, including those involving household contacts of confirmed cases and wider testing within the school and college setting, will provide critical data to help support the safety of staff and students in educational settings.

6.0 COMPLIANCE WITH GUIDELINES

As a public health body, PHE data collection role is strictly governed. All data will be collected and handled in accordance with PHE guidelines and policy:

- recommendations of the PHE Caldicott committee
- General Data Protection Act (GDPR) and Data Protection Act 2018
- Human Rights Act
- Section 3 of the Health Service Regulations 2002
- Section 251 of the NHS Act 2006

7.0 ETHICAL APPROVAL

This surveillance is being performed as part of PHE's responsibility to investigate the risk and transmission of SARS-CoV2 among children and young people in educational settings. This information is critical for supporting national recommendations on easing the current COVID-19 lockdown and allowing children back to school safely. This work has been identified as a public health priority and is being undertaken as part of the Public Health England's response to the national outbreak of COVID-19 in England. The results will be used to provide an evidence base to inform national guidance and public health policy to help protect children and young people and staff in educational settings. As such, this work falls outside of the Health Research Authority remit for ethical review. This is in accordance with the revised guidance in the Governance Arrangements for Research Ethics Committees (GAfREC) that was released in September 2011. This protocol has been subject to an internal ethical review by the PHE Research Ethics and Governance Group, to ensure that it is fully compliant with all regulatory requirements.

For completeness, and as part of our duty of care, we are providing all participants a voluntary option to participate, a detailed information leaflet so that they are fully aware of what they are signing up for and a signed online consent form to ensure that they have all the information they need to participate. PHE has legal permission, provided by Regulation 3 of The Health Service (Control of Patient Information) Regulations 2002, to undertake this surveillance (<http://www.legislation.gov.uk/ukxi/2002/1438/regulation/3/made>). Regulation 3 states:

Communicable disease and other risks to public health

3. (1) Subject to paragraphs (2) and (3) and regulation 7, confidential patient information may be processed with a view to

(a) diagnosing communicable diseases and other risks to public health;

(b) recognising trends in such diseases and risks;

(c) controlling and preventing the spread of such diseases and risks;

(d) monitoring and managing

(i) outbreaks of communicable disease;

(ii) incidents of exposure to communicable disease;

(iii) the delivery, efficacy and safety of immunisation programmes;

(iv) adverse reactions to vaccines and medicines;

(v) risks of infection acquired from food or the environment (including water supplies);

(vi) the giving of information to persons about the diagnosis of communicable disease and risks of acquiring such disease.

(2) For the purposes of this regulation, “processing” includes any operations, or set of operations set out in regulation 2(2) which are undertaken for the purposes set out in paragraph (1).

(3) The processing of confidential patient information for the purposes specified in paragraph (1) may be undertaken by—

(a) the Public Health Laboratory Service;

(b) persons employed or engaged for the purposes of the health service;

(c) other persons employed or engaged by a Government Department or other public authority in communicable disease surveillance.

PHE Research and Development and the Sponsors were consulted and confirmed that the work would be covered by Regulation 3 and hence does not require external research ethics approval.

PHE will indemnify all volunteers for any clinical negligence claims arising out of acting in accordance with the Study Protocol and under the direction of PHE, to the extent that the volunteer is not already covered by existing insurances which are either personal or through their employer.

7.1 Participant Confidentiality

Personal data collected for the purposes of this surveillance includes name, date of birth, post code, contact details and any relevant medical information required to assess testing for SARS-CoV-2 and antibody responses. The only people with access to this information will be the surveillance staff, or regulatory authorities who may wish to check the surveillance is being carried out according to appropriate guidelines. Every effort will be made to protect the participants' identity. Data will only be used for the purposes of this study, stored in secure PHE facilities on 256 bit encrypted servers with restricted access at PHE. Identifiable data will be destroyed at the end of the study. An anonymised (i.e. no individual can be identified) copy of the dataset may be placed in the Office for National Statistics Secure Research Service for the purposes of wider re-use for statistics and research purposes, subject to all relevant legal, statutory and policy requirements and safeguards. Anonymised data will be destroyed three years after the end of the project.

7.2 Patient and Public Involvement (PPI)

A focus group session consisting of 8 adolescents from school years 10 to 13 took place to gather their thoughts and first impressions about the study. The majority of the teenagers expressed eagerness to return to school and therefore, found the study research question of utmost importance. Concerns about getting infected and passing the disease to an “at-risk” relative or unknown person was a primary preoccupation. There was a willingness across the group to contribute and help further current COVID-19 understanding, and the participation’s requirements weren’t perceived as an over-ask. There was nonetheless a little concern about drawing blood and samples’ storage which once explained seemed acceptable to them.

8.0 TARGET DATES

- **Recruitment to commence:** 24 August 2020
- **Completion of recruitment:** 31 December 2020
- **Completion of surveillance:** All sampling will be completed within 12 months and surveillance within 24 months

APPENDIX 1: PARENTS/GUARDIANS

sKIDsPLUS: online information, consent & questionnaire

Welcome to the COVID-19 sKIDsPLUS Study

COVID-19 Surveillance in **KIDs** in Secondary Schools (sKIDsPLUS) is a surveillance programme set up by Public Health England (PHE) to monitor infection and transmission of the novel coronavirus, SARS-CoV-2, in secondary schools and colleges.

The study has been approved by the Public Health England Research Ethics and Governance Group and is funded by Public Health England.

On the next screen, you will see an information sheet that describes the study and a consent form to agree to participate. You will then be asked to complete a short questionnaire.

Instructions: This form must be completed by the parent or legal guardian of the child or young person you wish you enrol. You must complete a separate consent form and questionnaire for each child you wish to enrol. Students aged 16 years and older can complete their own consent form.

This should take 10 minutes to complete.

Dear Parents/Guardians,

Your child's school or college is taking part in a surveillance programme set up by Public Health England (PHE) to monitor infection and transmission of the novel coronavirus, SARS-CoV-2, in secondary schools and colleges. We want to find out how many students have already developed antibodies against the virus and how antibody levels change in secondary school and college students over the course of the school year. The information we collect will help inform policies to maintain the safety of staff and students in secondary schools and colleges. Taking part will involve completing a short online questionnaire and providing a nose swab and a blood sample at the beginning of first term (September 2020) and then at the end of each of the three terms (December 2020, March/April 2021 and June/July 2021).

Please read the information about the study below and, if you wish your child or young person to take part in the surveillance programme, complete the online consent form and short

questionnaire via the link at the end of this page. Please ask us if there is anything that is not clear skidsplus@phe.gov.uk

Why is Public Health England monitoring SARS-CoV-2 infections in secondary schools and colleges?

We know very little about SARS-CoV-2 infection and transmission in schools and colleges and how the virus might affect students and staff while they are in school. It is possible that some students and staff might be infected with the virus and not develop any symptoms. We want to find out how many secondary school and college students and staff might be infected with the virus and how many have antibodies against the virus at the start of the school year and at the end of each term.

1) What will happen if I agree for my child to take part?

We will ask you to complete an online consent form on the next page and complete a short questionnaire about the health of your child or young person and other household members. Once this is completed, your child will be enrolled into the surveillance programme.

We will visit your child's school/college at the beginning of the term (ideally within 2 weeks of schools and colleges starting in September 2020) to collect the following samples from all participants:

- Nose swab – this will involve rubbing a soft cotton bud on the inside of each of your child or young person's nostrils to test for the virus. Your child may wish to take their own swab (*please note that this is **not** the nasopharyngeal swab that goes deep into the back of the nose*).
- Blood sample – we will use topical anaesthetic cream or cold spray to numb the skin in the arm or hand before we take a small blood sample (5-10 mls, teaspoonful). The blood sample will be used to check if your child has antibodies against the virus.
- *In some schools or colleges, a saliva (oral fluid) sample may be taken to test for the virus or antibodies against the virus if needed. The test involves placing and rotating a small sponge into the mouth for two minutes, similarly to the motion and timing of tooth brushing.*

- *In some schools or colleges, a finger-prick test may be taken to test for antibodies against the virus if needed.*

All samples will be taken by trained staff. Where possible, we will maintain physical distancing and surveillance staff will be wearing aprons, gloves and face masks/visors when taking the samples. The students should be supervised by school staff at all times. If you would like to attend the session with your child or young person, please inform and liaise with the school/college in advance. We will adhere to the COVID-secure plan as per your child's school/college.

2) What will happen next?

We will arrange three more appointments at the end of each school term (typically, December 2020, March/April 2021 and June/July 2021). We will ask you to complete a short online questionnaire before each appointment and we will take the same samples as the first appointment. We will tell you in advance of the dates of each appointment as soon as it is agreed with the school

3) What other information will be collected?

We would like to know if your child or anybody in the household becomes unwell with a COVID-19 like illness. You can do this by clicking on the "Someone in my household is not well" in this email. For this reason, we would also like collect the names of all the people in the household in the questionnaire.

Please follow the national and school and colleges guidelines on what to do if your child or anyone in your household becomes unwell and might have COVID-19. We will contact you to ask for the results of the COVID-19 tests. We can also check the results of the tests in the national reports that we receive at Public Health England if needed. If you are not sure about what to do, you can always call us on **xxxxxx** or email skidsplus@phe.gov.uk

4) Will you tell me my child or young person's results?

If your child's nose swab is positive for the virus, we will phone you as soon as the results become available. We will also the school and the test and trace programme will be informed so that appropriate actions can be taken for those who had recent contact with your child. Your

child and everyone in the household should stay at home as per government advice. Your child can return to school or college at the end of the self-isolation period as long as they are well. We may contact you for more information or to test other members of the household to better understand how the virus affects families of secondary school and college students.

The blood test is being taken to test for antibodies against the virus. The samples will be tested in a specialist laboratory because it is part of a national surveillance programme. We will report the blood test results to you as soon as we can, but this may take a few weeks. The results will tell you if your child or young person has antibodies against the virus, which means that your child or young person has been exposed to the virus before. Antibodies are proteins made by the immune system that help fight against infections, but this is not certain for SARS-CoV-2.

5) What will happen to any remaining blood sample?

With your permission, we would like to store any remaining blood sample at Public Health England so that we may use it in the future for research on infections caused by viruses. The samples will be stored anonymously and it will not be possible to link the sample back to your child. You can choose what happens to any remaining samples on the consent form. Your child can still take part even if you ask us to have the samples destroyed after the tests are complete.

6) What are the benefits and risks of taking part?

We will report the results of your child tests to you so that you will know if your child is infected or has antibodies against the virus. The overall results will help us make important decisions about safety of students and staff in secondary schools and colleges. For some, having the nose swab may cause temporary discomfort. The blood test may cause a little pain, bruising, redness, and swelling around the site, bleeding at the site, and rarely, an infection at the site of the blood draw. The topical anaesthetic cream or cold spray will help numb the skin where the blood sample will be taken from and all the samples will be taken by very experienced staff. Some children may experience temporary itchiness, redness or mild swelling of the skin where the numbing cream is applied. This will by itself after the cream is removed for the blood test

7) Will taking part in this study be confidential?

We will need to collect some personal information, including names, date of birth, contact details and health information for your child and other household members. We need this information to understand the results of the tests that we perform and to contact you during the surveillance, especially if the nose swab tests positive for the virus, in which case we will also inform the school or college and the local test and trace team so that all those who might have come into contact with your child can self-isolate and stop the spread of the virus.

We will keep all the information securely as we do for all the tests we perform at the national reference centre in at Public Health England. We will write our reports in a way that no one can work out that your child or young person took part in the study. All personal data will be stored in accordance with the [General Data Protection Regulations](#) (GDPR) and the [Data Protection Act 2018](#). An anonymised (i.e. no individual can be identified) copy of the information may be placed in the Office for National Statistics Secure Research Service for additional analysis and statistics, subject to all relevant legal, statutory and policy requirements and safeguards.

1) Does your child or young person have to take part?

Participation is completely voluntary and if you choose not to take part this will not affect the care or education that your child receives. You can also decide to withdraw your child from the surveillance programme at any time, without giving a reason. We would like to keep the information and results that we might already have collected unless you tell us not to.

2) What if there is a problem?

If you have any concerns, please talk to a member of our team at skidsplus@phe.gov.uk. If you are unhappy with the response, you can contact the Public Health England R&D office (email: **xxxx**). If you are still unhappy, you can contact the Public Health England Complaints Manager, Strategy Directorate, Wellington House, 133-155 Waterloo Road, London, SE1 8UG.

Please do NOT share this link with others – this invitation is only for your child

Thank you for your time

sKIDsPLUS Surveillance Team: Name, Email, Telephone

Eligibility

Your child is eligible to take part if they:

- * are a student at one of the sKIDsPLUS participating schools /colleges during the 2020/21 school year
- * Are aged 10-18
- * Intend to remain engaged with follow-up over the school year

Consent to take part in the surveillance

Remember to complete one consent form and questionnaire for each child you wish to enrol.

Please tick all

The section below must be completed by the parent or legal guardian.

* <input type="checkbox"/>	1. I confirm that I have read and understand the Parent/Guardian Information Sheet. I have had the opportunity to consider the information, ask questions and have had these answered satisfactorily.
* <input type="checkbox"/>	2. I understand that my child's participation is voluntary. I am free to withdraw my child at any time without giving a reason and without my child's care or education being affected.
* <input type="checkbox"/>	3. I have explained the study with my child and my child is happy to participate
* <input type="checkbox"/>	4. I understand that if my child's swab is positive, the results will be reported to the school/college and the test and trace team.
* <input type="checkbox"/>	5. I understand that information about other children and adults in my house will be collected in the questionnaire to monitor SARS-CoV-2 infection in households of students
<input type="checkbox"/>	6. Optional: I agree for any remaining blood sample from my child to be stored for future research on infections caused by viruses (<i>your child can still take part even if you do not agree to this statement</i>)

Tick this box if you agree for your child to take part in the surveillance

Tick this box if you **DO NOT** want your child to take part

(if consent given, then directed to the questionnaire)

(if consent is not given, parent will be thanked for considering the study and then given the opportunity to provide a reason or any other comment)

Parent/guardian

First Name of parent/guardian:

Surname of parent/guardian:

Mobile number of parent/guardian:

E-mail address of parent/guardian:

First Name of child:

Surname of child:

Date of birth of child:

Gender of child/young person Male Female Prefer not to answer

Postcode of child's home address:

Name of school/ College

Current year in school (KS3, 4, 16-18 year-old in a secondary school, 16-18 year-old in a college)

Which one of the following groups does your child belong to?

<p>White</p> <p><input type="checkbox"/> English / Welsh / Scottish / Northern Irish / British</p> <p><input type="checkbox"/> Irish</p> <p><input type="checkbox"/> Gypsy or Irish Traveller</p> <p><input type="checkbox"/> Any other White background</p> <p>Mixed / Multiple ethnic groups</p> <p><input type="checkbox"/> White and Black Caribbean</p> <p><input type="checkbox"/> White and Black African</p> <p><input type="checkbox"/> White and Asian</p> <p><input type="checkbox"/> Any other Mixed / Multiple ethnic background</p> <p>Black / African / Caribbean / Black British</p> <p><input type="checkbox"/> African</p> <p><input type="checkbox"/> Caribbean</p> <p><input type="checkbox"/> Any other Black / African / Caribbean</p>	<p>Asian / Asian British</p> <p>Indian <input type="checkbox"/></p> <p>Pakistani <input type="checkbox"/></p> <p>Bangladeshi <input type="checkbox"/></p> <p>Chinese <input type="checkbox"/></p> <p>Any other Asian background <input type="checkbox"/></p> <p>Other ethnic group</p> <p><input type="checkbox"/> Arab</p> <p><input type="checkbox"/> Any other ethnic group (<i>state below</i>)</p> <p><input type="checkbox"/> Prefer not to answer</p>
---	--

MEDICAL HISTORY

Has your child/young person got any medical conditions? Yes / No

- If yes, please list here:

Has your child/young person tested positive for COVID-19 in the past? Yes / No

- What date was the sample was taken which had a positive COVID-19 result?
It may be difficult to remember exactly; approximate dates are fine.
What type of test was it?
 swab test (e.g. PCR test for current infection)
 blood test (e.g. antibody test for past infection)?>>

SCHOOL OR COLLEGE Experience during COVID-19:

Did your child go to school or college during the lockdown (March 23 to 30 May 2020)? Yes/No

- If yes, on average how often per week? 1 day / 2 days / 3 days / 4 days / Every day

Did your child go to school or college after the lockdown (June to July 2020)? Yes/No

- If yes, on average how often per week? 1 day / 2 days / 3 days / 4 days / Every day

What is the name of your child/young person's school or college: Drop down list

Year of school or college attending Year 7 Year 8 Year 9 Year 10 Year 11 16-18 year old in secondary school 16-18 year old in a College

What is the name/number of class that your child is attending (e.g. Class 7CS)?

How does your child travel to school or college? (tick all that apply) Walk/cycle/car/school or college bus/public bus/underground/train/other (specify)

HOUSEHOLD CONTACTS:

In addition to your child, how many other people live in your household?

For each household member, please provide details to help us understand the overall results. *If your child lives between more than one household, please provide details for members of all households. If needed, please ask the household members if they are happy for you to provide their information. If they are not happy, you can simply add their age, sex and relation to your child in the questionnaire.*

For each member: relationship to participating child, first name, last name, date of birth, age, sex, occupation, tick if keyworker, tick if healthcare worker, tick if working from home?>>

In addition to your child or young person, has anyone else in the household been tested for COVID-19?

If your child lives between more than one household, please provide details for members of all households. For GDPR purposes, please ensure all household members are happy for you to provide their personal details below. You can exclude the personal details (name, date of birth, gender) of household members who do not agree or for whom you are not sure they would agree.

Yes / No – if yes, number of people

<<for each positive member, relationship to participant, name of person, date of test, swab test or antibody test, positive or negative result?>>

Thank you for taking part in sKIDsPLUS

APPENDIX 2: STUDENTS (UNDER 16 YEARS)

sKIDsPLUS: online information sheet

Background

You might have heard lots of people talking about something called the “coronavirus.” Coronavirus is a type of virus that can make you feel unwell.

What do we do?

Doctors, nurses and scientists are trying to understand how children are fighting against the coronavirus and we need your help. We are trying to learn about coronavirus infections in secondary schools.

How can you help us?

If you agree to help us we will ask you and your parents some questions about how you have been feeling. We will need a test from your nose called a “swab”. The swab test may be a little uncomfortable but it doesn’t hurt. Taking a swab involves wiping the inside of your nose with a cotton bud. We will also take a small blood sample (teaspoonful) from you. We will use a numbing cream to make sure it isn’t too sore.

Do I have to take part?

You do not have to take part and, even if you say yes, you can change your mind at any time.

Who will do the tests?

You can take the nose swab yourself or you can ask the nurse or doctor to take the nose swab for you. We are friendly but we might look a bit different than usual. To make sure we don’t pass the coronavirus around, we have to wear special equipment called personal protection equipment (PPE).

What will happen next?

We will visit your school four times: at the beginning of the first term and then at the end of each of the 3 terms (around December 2020, March/April 2021 and June/July 2021). We will tell your parents when the next visit will be

Will you tell me my results?

We will tell your parents if we find coronavirus in your nose swab. If you have the virus, then you and your family will have to stay at home to stop the virus spreading to others. We will also tell the school of the results, so that everyone you have been in contact with can be asked to stay at home too.

We will also tell your parents the results of your blood tests as soon as we can, but this may take a few weeks. If you have antibodies against the virus, that means that your body has seen the virus before. Antibodies are proteins made by the immune system that help fight against infections.

Thank you for your time

APPENDIX 3: STUDENTS (16 YEARS AND OVER)

sKIDsPLUS: online information, consent & questionnaire

Welcome to the COVID-19 sKIDsPLUS Study

COVID-19 Surveillance in **KIDs** in Secondary Schools (sKIDsPLUS) is a surveillance programme to monitor infection and transmission of the novel coronavirus, SARS-CoV-2, in secondary schools and colleges.

The study has been approved by the Public Health England Research Ethics and Governance Group and is funded by Public Health England.

On the next screen, you will be shown an information sheet that describes the study and a consent form to agree to participate. You will then be asked to complete a short questionnaire.

This should take 10 minutes to complete.

Dear Student,

Your school is taking part in a surveillance programme set up by Public Health England (PHE) to monitor infection and transmission of the novel coronavirus, SARS-CoV-2, in secondary schools and colleges. We want to find out how many students and staff members have already developed antibodies against the virus and how antibody levels change in students and staff over the course of the school year. The information we collect will help inform policies to maintain the safety of staff and students in secondary schools and colleges.

Taking part will involve completing a short online questionnaire and providing a nose swab and a blood sample at the beginning of first term (September 2020) and then at the end of each of the three terms (December 2020, March/April 2021 and June/July 2021). Please do take time to discuss this study with your parents/guardians before you decide to take part.

Please read the information about the study below and, if you wish to take part in the surveillance programme, complete the online consent form and short questionnaire via the link at the end of this page. Please ask us if there is anything that is not clear skidsplus@phe.gov.uk

Why is Public Health England monitoring SARS-CoV-2 infections in secondary schools and colleges?

We know very little about SARS-CoV-2 infection and transmission in schools/ colleges and how the virus might affect staff and students while they are in school or colleges. It is possible that some staff and students might be infected with the virus and not develop any symptoms. We want to find out how many staff and students might be infected with the virus and how many have antibodies against the virus at the start of the school year and at the end of each term.

1) What will happen if I agree to take part?

We will ask you to complete an online consent form on the next page and complete a short questionnaire about your health and other household members. Once this is completed, you will be enrolled into the surveillance programme.

We will visit your school/college at the beginning of the term (typically within 2 weeks of schools and colleges starting in September 2020) to collect the following samples:

- Nose swab – this will involve rubbing a soft cotton bud on the inside of each of your nostrils to test for the virus. You may also wish to take this swab on your own (*please note that this is **not** the nasopharyngeal swab that goes deep into the back of the nose*)
- Blood sample – we will take 5-10 mls (a teaspoonful) of blood which will be tested for antibodies against the virus
- *In some schools or colleges, a saliva (oral fluid) sample may be taken to test for the virus or antibodies against the virus if needed. The test involves placing and rotating a small sponge into the mouth for two minutes, similarly to the motion and timing of tooth brushing.*
- *In some schools or colleges, a finger-prick test may be taken to test for antibodies against the virus if needed.*

The samples will be taken by trained staff. Where possible, we will maintain physical distancing and surveillance staff will be wearing aprons, gloves and face masks/visors when taking the samples.

2) What will happen next?

We will arrange three more appointments at the end of each school term (typically, December 2020, March/April 2021 and June/July 2021). We will ask you to complete a short online questionnaire before each appointment and we will take the same samples as the first appointment. We will tell you a few weeks in advance of the of the dates of each appointment as soon as it is agreed with the secondary school or college.

3) What other information will be collected?

We would like to know if you become unwell and/or if any person in the household tests positive for SARS-CoV-2 during the school year. You can do this by clicking on the “Someone in my household is not well” in this email. For this reason, we would also like collect the names of all the people in the household in the questionnaire. Please follow the national and school and colleges guidelines on what to do if you or anyone in your household becomes unwell and might have COVID-19. We will contact you to ask for the results of the COVID-19 tests. We can also check the results of the tests in the national reports that we receive at Public Health England if needed. If you are not sure about what to do, you can always call us on xxxxxx or email skidsplus@phe.gov.uk

4) Will you tell me my results?

If your nose swab is positive for the virus, we will phone you as soon as the results become available. We will also the school and the test and trace programme will be informed so that appropriate actions can be taken for those who had recent contact with you. You and everyone in the household should stay at home as per government advice. You can return to school or college at the end of the self-isolation period as long as you are well. We may contact you for more information or to test other members of the household to better understand how the virus affects families of secondary school and college students.

The blood test is being taken to test for antibodies against the virus. The samples will be tested in a specialist laboratory because it is part of a national surveillance programme. We will report the blood test results to you as soon as we can, but this may take a few weeks. The results will tell you if you have antibodies against the virus, which means that you have been exposed to the virus before. Antibodies are proteins made by the immune system that help fight against infections, but this is not certain for SARS-CoV-2.

5) What will happen to any remaining blood sample?

With your permission, we would like to store any remaining blood sample at Public Health England so that we may use it in the future for research on viral infections. The samples will be stored anonymously and it will not be possible to link the sample back to you. You can choose what happens to any remaining samples on the consent form. You can still take part even if you ask us to have the samples destroyed after the tests are complete.

6) What are the benefits and risks of taking part?

We will report the results of your tests to you so that you will know if you are infected with the virus or have antibodies against the virus. The overall results will help us make important decisions about safety of students and staff in secondary schools and colleges. For some, having the swab and the blood test may cause temporary discomfort. The blood test may cause a little pain, bruising, redness, and swelling around the site, bleeding at the site, and rarely, an infection at the site of the blood draw.

7) Will taking part in this study be confidential?

We will need to collect some personal information, including names, date of birth, contact details, and health information about you and other household members. We need this information to understand the results of the tests that we perform and to contact you during the surveillance, especially if the nose swab tests positive for the virus, in which case we will also inform the school/college and the local test and trace team of the result so that all those who might have come into contact with you can self-isolate and stop the spread of the virus in the school/college, their households and the wider community.

We will keep all the information securely as we do for all the tests we perform at the national reference centre in at Public Health England. We will write our reports in a way that no one can work out that you took part in the study. All personal data will be stored in accordance with the [General Data Protection Regulations](#) (GDPR) and the [Data Protection Act 2018](#). An anonymised (i.e. no individual can be identified) copy of the information may be placed in the Office for National Statistics Secure Research Service for additional analysis and statistics, subject to all relevant legal, statutory and policy requirements and safeguards.

3) Do I have to take part?

Participation is completely voluntary and if you can decide if you want to take part. You can also decide to withdraw from the surveillance programme at any time, without giving a reason. We would like to keep the information and results that we might already have collected unless you tell us not to.

4) What if there is a problem?

If you have any concerns, please talk to a member of our team on skidsplus@phe.gov.uk. If you are unhappy with the response, you can contact the Public Health England R&D office (email: **xxxx**). If you are still unhappy, you can contact the Public Health England Complaints Manager, Strategy Directorate, Wellington House, 133-155 Waterloo Road, London, SE1 8UG.

Please do NOT share this link with others – this invitation is only for you

Thank you for your time

sKIDsPLUS Surveillance Team: Name, Email, Telephone

Eligibility

A young person is eligible to sign their own consent to take part if they:

- * are a student at one of the participating schools /colleges during the 2020/21 school year:
- * Are aged 16-18 years and have discussed their participation with their parents/guardians
- * Intend to remain engaged with follow-up over the school year

Consent to take part in the surveillance

The section below must be completed by eligible students who are at least 16 years old and wish to give their own consent.

* <input type="checkbox"/>	1. I confirm that I have read and understand the Information Sheet. I have had the opportunity to consider the information, ask questions and have had these answered satisfactorily.
----------------------------	---

* <input type="checkbox"/>	2. I understand that my participation is voluntary. I am free to withdraw at any time without giving a reason and without my education being affected.
* <input type="checkbox"/>	3. I understand that if my swab is positive, the results will be reported to the school/college and the test and trace team.
* <input type="checkbox"/>	4. I understand that information about other children and adults in my house will be collected in the questionnaire to monitor SARS-CoV-2 infection in households of students and I have discussed this with my parents/guardians/family
<input type="checkbox"/>	5. Optional: I agree for any remaining blood sample to be stored for future research on infections caused by viruses (<i>you can still take part even if you do not agree to this statement</i>)

Tick this box if you agree to take part in the surveillance

Tick this box if you **DO NOT** want to take part

(if consent given, then directed to the questionnaire)

(if consent is not given, the student will be thanked for considering the study and then given the opportunity to provide a reason or any other comment). This is to allow us to understand why eligible students have decided not take part.

Student questionnaire

First Name of student

Surname of student:

Mobile number of student:

E-mail address of student:

Gender of student Male Female Prefer not to answer

Postcode of student's home address:

Name of school/ College

Current year in school (16-18 year-old in a secondary school, 16-18 year-old in a college)

Which one of the following groups do you belong to?

<p>White</p> <p><input type="checkbox"/> English / Welsh / Scottish / Northern Irish / British</p> <p><input type="checkbox"/> Irish</p> <p><input type="checkbox"/> Gypsy or Irish Traveller</p> <p><input type="checkbox"/> Any other White background</p> <p>Mixed / Multiple ethnic groups</p>	<p>Asian / Asian British</p> <p>Indian <input type="checkbox"/></p> <p>Pakistani <input type="checkbox"/></p> <p>Bangladeshi <input type="checkbox"/></p> <p>Chinese <input type="checkbox"/></p> <p>Any other Asian background <input type="checkbox"/></p>
--	---

<input type="checkbox"/> White and Black Caribbean <input type="checkbox"/> White and Black African <input type="checkbox"/> White and Asian <input type="checkbox"/> Any other Mixed / Multiple ethnic background	Other ethnic group <input type="checkbox"/> Arab <input type="checkbox"/> Any other ethnic group (<i>state below</i>):
Black / African / Caribbean / Black British <input type="checkbox"/> African <input type="checkbox"/> Caribbean <input type="checkbox"/> Any other Black / African / Caribbean	<input type="checkbox"/> Prefer not to answer

MEDICAL HISTORY

Have you got any medical conditions? Yes / No

- If yes, please state:

Have you tested positive for COVID-19 in the past? Yes / No

- What date was the sample that was taken which had a positive COVID-19 result?
It may be difficult to remember exactly; approximate dates are fine.
What type of test was it?
 swab test (e.g. PCR test for current infection)
 blood test (e.g. antibody test for past infection)?>>

SCHOOL OR COLLEGE Experience during COVID-19:

Did you go to school or college during the lockdown (March 23 to 30 May 2020)? Yes/No

- If yes, on average how often per week? 1 day / 2 days / 3 days / 4 days / Every day

Did you go to school or college after the lockdown (June to July 2020)? Yes/No

- If yes, on average how often per week? 1 day / 2 days / 3 days / 4 days / Every day

What is the name of your school or college: Drop down list

Name/number of class attending (e.g. Year 12C)

How do you travel to school or college? (tick all that apply) Walk/cycle/car/school or college bus/public bus/underground/train/other (specify)

HOUSEHOLD CONTACTS:

In addition to you, how many other people live in your household?

For each household member, please provide details to help us understand the overall results.

If you live between more than one household, please provide details for members of all households. Please ask the household members if they are happy for you to provide their information. If they are not happy, you can simply add their age, sex and how they are related to you.

For each household member: relationship to you, first name, last name, date of birth, age, sex, occupation, tick if keyworker, tick if healthcare worker, tick if working from home?>>

In addition to you, has anyone else in the household been tested for COVID-19? Yes / No – if yes, number of people
<<for each positive member, name of person, date of test, swab test or antibody test, positive or negative result?>>

Thank you for taking part in sKIDsPLUS

APPENDIX 4: STAFF

sKIDsPLUS: online information, consent & questionnaire

Welcome to the COVID-19 sKIDsPLUS Study

COVID-19 **S**urveillance in **K**IDs in Secondary Schools (sKIDsPLUS) is a surveillance programme to monitor infection and transmission of the novel coronavirus, SARS-CoV-2, in secondary schools and colleges.

The study has been approved by the Public Health England Research Ethics and Governance Group and is funded by Public Health England.

On the next screen, you will be shown an information sheet that describes the study and a consent form to agree to participate. You will then be asked to complete a short questionnaire.

This should take 10 minutes to complete.

Dear Staff member,

Your school is taking part in a surveillance programme set up by Public Health England (PHE) to monitor infection and transmission of the novel coronavirus, SARS-CoV-2, in secondary schools and colleges. We want to find out how many staff members have already developed antibodies against the virus and how antibody levels change in staff over the course of the school year. The information we collect will help inform policies to maintain the safety of staff and students in secondary schools and colleges.

Taking part will involve completing a short online questionnaire and providing a nose swab and a blood sample at the beginning of first term (September 2020) and then at the end of each of the three terms (December 2020, March/April 2021 and June/July 2021)

Please read the information about the study below and, if you wish to take part in the surveillance programme, complete the online consent form and short questionnaire via the link at the end of this page. Please ask us if there is anything that is not clear skidsplus@phe.gov.uk

Why is Public Health England monitoring SARS-CoV-2 infections in secondary schools and colleges?

We know very little about SARS-CoV-2 infection and transmission in schools/ colleges and how the virus might affect staff and students while they are in school or colleges. It is possible that some staff and students might be infected with the virus and not develop any symptoms. We want to find out how many staff and students might be infected with the virus and how many have antibodies against the virus at the start of the school year and at the end of each term.

8) What will happen if I agree to take part?

We will ask you to complete an online consent form on the next page and complete a short questionnaire about your health and other household members. Once this is completed, you will be enrolled into the surveillance programme.

We will visit your school/college at the beginning of the term (typically within 2 weeks of schools and colleges starting in September 2020) to collect the following samples:

- Nose swab – this will involve rubbing a soft cotton bud on the inside of each of your nostrils to test for the virus. You may also wish to take this swab on your own (*please note that this is **not** the nasopharyngeal swab that goes deep into the back of the nose*)
- Blood sample – we will take 5-10 mls (a teaspoonful) of blood which will be tested for antibodies against the virus
- *In some schools or colleges, a saliva (oral fluid) sample may be taken to test for the virus or antibodies against the virus if needed. The test involves placing and rotating a small sponge into the mouth for two minutes, similarly to the motion and timing of tooth brushing.*
- *In some schools or colleges, a finger-prick test may be taken to test for antibodies against the virus if needed.*
-

All samples will be taken by trained staff. Where possible, we will maintain physical distancing and surveillance staff will be wearing aprons, gloves and face masks/visors when taking the samples.

9) What will happen next?

We will arrange three more appointments at the end of each school term (typically, December 2020, March/April 2021 and June/July 2021). We will ask you to complete a short online

questionnaire before each appointment and we will take the same samples as the first appointment. We will tell you in advance of the of the dates of each appointment as soon as it is agreed with the secondary school or college.

10) What other information will be collected?

We would like to know if you become unwell and/or if any person in the household tests positive for SARS-CoV-2 during the school year. You can do this by clicking on the “Someone in my household is not well” in this email. For this reason, we would also like collect the names of all the people in the household in the questionnaire. Please follow the national and school and colleges guidelines on what to do if you or anyone in your household becomes unwell and might have COVID-19. We will contact you to ask for the results of the COVID-19 tests. We can also check the results of the tests in the national reports that we receive at Public Health England if needed. If you are not sure about what to do, you can always call us on xxxxxx or email skidsplus@phe.gov.uk

11) Will you tell me my results?

If your nose swab is positive for the virus, we will phone you as soon as the results become available. We will also the school and the test and trace programme will be informed so that appropriate actions can be taken for those who had recent contact with you. You and everyone in the household should stay at home as per government advice. You can return to school or college at the end of the self-isolation period as long as you are well. We may contact you for more information or to test other members of the household to better understand how the virus affects families of secondary school and college students.

The blood test is being taken to test for antibodies against the virus. The samples will be tested in a specialist laboratory because it is part of a national surveillance programme. We will report the blood test results to you as soon as we can, but this may take a few weeks. The results will tell you if you have antibodies against the virus, which means that you have been exposed to the virus before. Antibodies are proteins made by the immune system that help fight against infections, but this is not certain for SARS-CoV-2.

12) What will happen to any remaining blood sample?

With your permission, we would like to store any remaining blood sample at Public Health England so that we may use it in the future for research on viral infections. The samples will be stored anonymously and it will not be possible to link the sample back to you. You can choose what happens to any remaining samples on the consent form. You can still take part even if you ask us to have the samples destroyed after the tests are complete.

13) What are the benefits and risks of taking part?

We will report the results of your tests to you so that you will know if you are infected with the virus or have antibodies against the virus. The overall results will help us make important decisions about safety of students and staff in secondary schools and colleges. For some, having the swab and the blood test may cause temporary discomfort. The blood test may cause a little pain, bruising, redness, and swelling around the site, bleeding at the site, and rarely, an infection at the site of the blood draw.

14) Will taking part in this study be confidential?

We will need to collect some personal information, including names, date of birth, contact details, and health information about you and other household members. We need this information to understand the results of the tests that we perform and to contact you during the surveillance, especially if the nose swab tests positive for the virus, in which case we will also inform the school/college and the local test and trace team of the result so that all those who might have come into contact with you can self-isolate and stop the spread of the virus in the school/college, their households and the wider community.

We will keep all the information securely as we do for all the tests we perform at the national reference centre in at Public Health England. We will write our reports in a way that no one can work out that you took part in the study. All personal data will be stored in accordance with the [General Data Protection Regulations](#) (GDPR) and the [Data Protection Act 2018](#). An anonymised (i.e. no individual can be identified) copy of the information may be placed in the Office for National Statistics Secure Research Service for additional analysis and statistics, subject to all relevant legal, statutory and policy requirements and safeguards.

5) Do I have to take part?

Participation is completely voluntary and if you can decide if you want to take part. You can also decide to withdraw from the surveillance programme at any time, without giving a reason. We would like to keep the information and results that we might already have collected unless you tell us not to.

6) What if there is a problem?

If you have any concerns, please talk to a member of our team on skidsplus@phe.gov.uk. If you are unhappy with the response, you can contact the Public Health England R&D office (email: **xxxx**). If you are still unhappy, you can contact the Public Health England Complaints Manager, Strategy Directorate, Wellington House, 133-155 Waterloo Road, London, SE1 8UG.

Thank you for your time

sKIDsPLUS Surveillance Team: Name, Email, Telephone

Eligibility

You are eligible to take part if you:

- * are a staff member at one of the participating schools /colleges during the 2020/21 school year
- * Intend to remain engaged with follow-up over the school year

* <input type="checkbox"/>	1. I confirm that I have read and understand the Information Sheet. I have had the opportunity to consider the information, ask questions and have had these answered satisfactorily.
* <input type="checkbox"/>	2. I understand that my participation is voluntary. I am free to withdraw at any time without giving a reason and without my education being affected.
* <input type="checkbox"/>	3. I understand that if my swab is positive, the results will be reported to the school/college and the test and trace team.
* <input type="checkbox"/>	4. I understand that information about children and adults in my house will be collected in the questionnaire to monitor SARS-CoV-2 infection in households of students

<input type="checkbox"/>	5. <i>Optional:</i> I agree for any remaining blood sample to be stored for future research on infections caused by viruses (<i>you can still take part even if you do not agree to this statement</i>)
--------------------------	--

Tick this box if you agree to take part in the surveillance

Tick this box if you **DO NOT** want to take part

(if consent given, then directed to the questionnaire)

(if consent is not given, the staff member will be thanked for considering the study and then given the opportunity to provide a reason or any other comment)

Staff questionnaire

First Name:

Surname:

Mobile number:

E-mail address:

Gender: Male Female Prefer not to answer

Postcode of your home address:

Name of school/ College

Which one of the following groups do you belong to?

<p>White</p> <p><input type="checkbox"/> English / Welsh / Scottish / Northern Irish / British</p> <p><input type="checkbox"/> Irish</p> <p><input type="checkbox"/> Gypsy or Irish Traveller</p> <p><input type="checkbox"/> Any other White background</p> <p>Mixed / Multiple ethnic groups</p> <p><input type="checkbox"/> White and Black Caribbean</p> <p><input type="checkbox"/> White and Black African</p> <p><input type="checkbox"/> White and Asian</p> <p><input type="checkbox"/> Any other Mixed / Multiple ethnic background</p> <p>Black / African / Caribbean / Black British</p> <p><input type="checkbox"/> African</p> <p><input type="checkbox"/> Caribbean</p> <p><input type="checkbox"/> Any other Black / African / Caribbean</p>	<p>Asian / Asian British</p> <p>Indian <input type="checkbox"/></p> <p>Pakistani <input type="checkbox"/></p> <p>Bangladeshi <input type="checkbox"/></p> <p>Chinese <input type="checkbox"/></p> <p>Any other Asian background <input type="checkbox"/></p> <p>Other ethnic group</p> <p><input type="checkbox"/> Arab</p> <p><input type="checkbox"/> Any other ethnic group (<i>state below</i>):</p> <p><input type="checkbox"/> Prefer not to answer</p>
---	--

--	--

MEDICAL HISTORY

Do you have any medical conditions? Yes / No

- If yes, please list here:

Have you ever tested positive for COVID-19? Yes / No

- What date was the sample was taken which had a positive COVID-19 result?
It may be difficult to remember exactly; approximate dates are fine.
What type of test was it?
 swab test (e.g. PCR test for current infection)
 blood test (e.g. antibody test for past infection)?

Your experience working at School or college:

Name of school/college you work in: Drop down list

What is your job at the school? Teacher / teaching assistant / Administration/office staff, Kitchen/catering staff, Groundskeeper/maintenance/ cleaner, School nurse, Social worker . Librarian other (specify)

If you are a teacher, is there a particular class you are attached with? Yes/ No – if yes, specify

If you are at teacher, around how many different classes are you expected to have contact within a typical week? <<number between 0 to 20>>

If you are at teacher, around how many different students are you expected to have contact within a typical week? 0-20, 20-100, 100-200, 200 +

How much contact do you have with the students when in school?

Regular contact (mainly student facing) / Occasional contact (some student facing) / No contact

How do you travel to school? Tick all that apply

Walk/cycle/car/school/college bus/public bus/underground/train/other (specify)

Did you work at school/college during the lockdown (between March 23 and May 2020)? Yes/No

- If yes, on average how often per week? 1 day / 2 days / 3 days / 4 days / Every day

Did you work at school/college after the lockdown (between June and July 2020)? Yes/No

- If yes, on average how often per week? 1 day / 2 days / 3 days / 4 days / Every day

How many days per week do you work at school/college? 1 day / 2 days / 3 days / 4 days / Every day

HOUSEHOLD CONTACTS:

In addition to you, how many other people live in your household?

For each household member, please provide details to help us understand the overall results.

If needed, please ask the household members if they are happy for you to provide their

information. If they are not happy, you can simply add their age, sex and how they are related to you.

For each household member: relationship to you, first name, last name, date of birth, age, sex, occupation, tick if keyworker, tick if healthcare worker, tick if working from home?>>

In addition to you, has anyone else in the household been tested for COVID-19? Yes / No – if yes, number of people

<<for each positive member, name of person, date of test, swab test or antibody test, positive of negative result?>>

Thank you for taking part in sKIDsPLUS

APPENDIX 5

Report of a positive swab result

Dear <<name>>

Many thanks for taking part in the sKIDsPLUS study. Your/your child or young person's nose swab was positive for the coronavirus, SARS-CoV-2. We would advise you to stay /keep your child or young person at home as per the government's guidance starting from the day that the swab was taken.

If you/your child develop/s any symptoms during this period, then please stay/keep your child/young person at home as per the government's directives starting from the first day of the symptoms.

You/your child can return to school/college once the guidance has been followed and your child/young person is well and has no symptoms. Otherwise, please wait until after the symptoms have gone before returning to school/college.

We will notify your/your child's GP in order to update your/your child's medical records.

Report of a positive antibody result

Dear <<name>>,

Many thanks for taking part in the sKIDsPLUS study. We would like to thank you once again for your support. <<Your/your child >> continued participation is essential to allow us to answer important questions about the spread of COVID in the community, what the presence or absence of antibodies means and how long these antibodies last for. We are currently testing the serum samples with the Abbott assay (<https://www.abbott.com/coronavirus.html>).

Your Visit XX antibody level is **positive**.

This result implies that <<you have/your child has>> been infected with or exposed to SARS-CoV-2. The PHE evaluation of this test suggests that this result is likely to be true. As with all tests, there is a small chance that you have a false positive result when in reality, **you have not had COVID at all**. At this time, it is not known if this result means that <<you/young person>> cannot be re-infected with SARS-CoV-2, and if <<you/your child >> gets re-infected, then <<you/your child >> may still be infectious to others.

You do not need to take any further action following this result

GP letter

Report of a positive SARS-CoV-2 infection result

Dear <<name>>,

We are writing to notify you the result of a COVID-19 swab result in your patient who is taking part in the sKIDsPLUS study. We have notified the school of the positive test result and the local test and trace team. You do not need to take any further action. If you have any questions, please contact us on skidsplus@phe.gov.uk

APPENDIX 6

sKIDsPLUS: subsequent visits

Dear participant,

We are now approaching the end of term and the next round of testing for the sKIDsPLUS study will be take place at your school/college on **xxx**. We would be grateful if you would complete a short questionnaire in the link provided below before the day of testing.

To remind you, we will be taking a nose swab and a blood sample at this visit. This surveillance relies on having multiple samples taken from the same participants over the course of the year. Regardless of the previous test and the results of the tests, this repeat appointment is crucial for us to have a better understanding of SARS-CoV-2 infection and transmission in secondary schools and colleges. We are working hard to gather as much data as possible to ensure the safety of staff and students in educational settings.

Thank you once again for taking part in the sKIDsPLUS study.

The sKIDsPLUS Team

APPENDIX 7

sKIDsPLUS: Follow-Up Questionnaire for Parents

1. **Since our previous visit**, has your child been unwell with symptoms that might have been due to COVID-19? Yes / No
 - If yes, approximate date of symptoms:
 - If yes, what were your child's symptom (use symptom list)
2. **Since our previous visit**, has your child tested positive for COVID-19? Yes / No
 - If yes, was that on: nose swab or antibody test?
 - If yes, what was the date of the test?
3. **Since our previous visit**, has any household member tested positive for COVID-19? Yes / No
 - First name / Last name / date of birth of person who tested positive
 - Relationship to your child
 - If yes, was that on: nose swab or antibody test
 - If yes, date of test:
4. **Since our previous visit**, on average, has your child been going to school/college (*tick the correct box*):
 - 1 day / 2 days / 3 days / 4 days / Every day
 - My child has not gone to school/college
5. **Since our previous visit**, how many days has your child been off school/college? _____ days (*write 0 if full attendance*)

If your child/young person has been off school/college, the reason was (tick one)

 - My child/young person was unwell and had to take time off school/college
 - Another student in my child/young person's class was unwell with possible COVID-19 symptoms
 - Another student in my child/young person's class was unwell with confirmed COVID-19
 - A staff member in my child/young person's class was unwell with possible COVID-19 symptoms
 - A staff member in my child/young person's class was unwell with confirmed COVID-19
 - Other (please give details):

Thank you once again for taking part in sKIDsPLUS

If you have any questions, please email us: sKIDsplus@phe.gov.uk

APPENDIX 8

sKIDsPLUS: Follow-Up Questionnaire for students 16 years and over

1. **Since our previous visit**, have you been unwell with symptoms that might have been due to COVID-19? Yes / No
 - If yes, approximate date of symptoms:
 - If yes, what were your symptom (use symptom list)
2. **Since our previous visit**, have tested positive for COVID-19? Yes / No
 - If yes, was that on: nose swab or antibody test?
 - If yes, what was the date of the test?
3. **Since our previous visit**, has any household member tested positive for COVID-19? Yes / No
 - a. First name / Last name / date of birth of person who was unwell
 - b. Relationship to you
 - If yes, was that on: nose swab or antibody test
 - If yes, date of test:
4. **Since our first visit**, on average, have you been going to school/college (*tick the correct box*):
 - 1 day / 2 days / 3 days / 4 days / Every day
 - I have not gone to school/college
5. **Since our first visit**, how many days have you been off school/college? _____ days (*write 0 if full attendance*)

If you have been off school/college, the reason was (tick one)

 - I was unwell and had to take time off school/college
 - Another student in my class was unwell with possible COVID-19 symptoms
 - Another student in my class was unwell with confirmed COVID-19
 - A staff member in my class was unwell with possible COVID-19 symptoms
 - A staff member in my class was unwell with confirmed COVID-19
 - Other (please give details):

Thank you once again for taking part in sKIDsPLUS

If you have any questions, please email us: sKIDsplus@phe.gov.uk

APPENDIX 9

sKIDsPLUS: Follow Up Questionnaire for Staff

1. **Since our previous visit**, have you tested positive for COVID-19? Yes / No
 - If yes, was that on: nose swab or antibody test?
 - If yes, what was the date of the test?
2. **Since our previous visit**, has any household member tested positive for COVID-19? Yes / No
 - First name / Last name / date of birth of person who tested positive
 - Relationship to staff member
 - If yes, was that on: nose swab or antibody test
 - If yes, date of test:
3. **Since our previous visit**, on average, how often have you been working in the school/college premises (*tick one*):
 - 1 day / 2 days / 3 days / 4 days / Every day
 - I have not attended the school/college premises
4. **Since our previous visit**, how much contact have you have with students (e.g. teaching in class) (*tick one*)
Regular contact (mainly student facing) / Occasional contact (some student facing) No contact
5. If you are at teacher, around how many different classes are you expected to have contact within a typical week? <<number between 0 to 20>>
6. If you are at teacher, around how many different students are you expected to have contact within a typical week? 0-20, 20-100, 100-200, 200 +
7. **Since our first visit**, how many days have you taken off work? _____ days
If you took time off work, the reason was (tick one)
 - I was unwell with possible COVID-19 symptoms
 - Another staff member in my teaching team was unwell with possible COVID-19 symptoms
 - Another staff member in my teaching team was unwell with confirmed COVID-19
 - A student in my class was unwell with possible COVID-19 symptoms
 - A student in my class was unwell with confirmed COVID-19
 - Other (give details):

Thank you once again for taking part in sKIDsPLUS

If you have any questions, please email us: sKIDplus@phe.gov.uk