

# H2020 INTEGRITY · Genetic Tests Board 01



**Case of the researcher who misused private data.** Watch the video (see below) about privacy issues in genetic databases and the potential misuses of personal data. Now let's see how it applies to you. The case of the researcher who misused private data shows you an example of **data falsification** and the **importance of reporting** such actions. **Discuss** in your group the two dilemmas (sections 2 and 4) and **write down** your thoughts about these dilemmas. You should also propose solutions (section 5) to deal with both dilemmas.

## 1 Watch video [youtu.be/PtLPbEMJx84](https://youtu.be/PtLPbEMJx84)



Please use the following **link** or **QR code** to watch the video.

## 3 Imagine now...

You have decided to change some numbers and to omit other relevant information, to avoid someone detecting that you used such private data. You submit your master dissertation and your supervisor tells you to write a scientific paper about your research, since your findings are innovative and can be applied to develop a medical treatment for people.

## 4 Dilemma II

You feel worried about the possibility of someone using the findings from your research project, since you know your results were based on falsified data. You also think about the consequences for other people (e.g. for the elderly). What would you do?

## 5 Solutions

What solutions would you propose to deal with a situation, where you know you have falsified data and the findings from your research can have an impact on people?

## 2 Dilemma I

You are working on a research project for your master dissertation that involves the use of personal genetic data from a genetic database. While analysing your data, you realise that most of this data that is key to your master dissertation is labelled private. This means that you would need to seek permission to use it, which might take time. Yet, the deadline to submit your master dissertation is fast approaching. What would you do?

## Guidelines

### 1. Watch video (~2 minutes)

Watch the video in your group.

### 2. Spokesperson (~1 minute)

Nominate a spokesperson to write down the group's ideas and solutions.

### 3. Dilemmas and Solutions (~25 minutes)

Discuss Dilemmas I and II and propose solutions. The spokesperson should write the ideas (in sections 2 and 4) and solutions (in section 5) discussed, using post-its or sticky notes (online session only!).

### 4. Presentation (~2-3 minutes)

The spokesperson presents the group's ideas and solutions to the class.

### 5. Class Discussion (~10 minutes)

Class discussion about the ideas and solutions presented by the spokesperson.

## Share with friends

Take a photo and share the results of your group using the hashtags **#H2020INTEGRITY** and **#GeneticTests** and see others people's solutions. You can also download the game to play at [h2020integrity.eu/resource/tools](https://h2020integrity.eu/resource/tools).



This project received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 824586. The European Commission's support for the production of this material does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Visit [h2020integrity.eu](https://h2020integrity.eu) • Follow us @H2020INTEGRITY  

# H2020 INTEGRITY · Genetic Tests Board 02



**Case of the student who used data without consent.** Watch the video (**see below**) about the importance of an informed consent form in clinical studies. Now let's see how it applies to you. The case of the student who used data without consent shows you an example of **mislead in collaboration** and **inappropriate use of data**. **Discuss** in your group the two dilemmas (sections 2 and 4) and **write down** your thoughts about these dilemmas. You should also propose solutions (section 5) to deal with both dilemmas.

## 1 Watch video [youtu.be/mQCb3IRprwM](https://youtu.be/mQCb3IRprwM)



Please use the following **link** or **QR code** to watch the video.

## 3 Imagine now...

You have decided to use those 5 questionnaires. You submit your project and your teacher is very pleased with your results. Your teacher asks you to present your project to the entire class.

## 4 Dilemma II

You do not want to admit to your teacher that you used data without consent nor to be caught by your peers, who had asked you not to use their answers. What would you do?

## 5 Solutions

What solutions would you propose to deal with a situation, where you have a collaboration issue and you also have used data without consent?

## 2 Dilemma I

You are developing a school project to collect opinions about the Carrier Screenings Program for young adults. Your project involves questionnaires to collect opinions from your peers. The questionnaires say that you can drop out at any time and that your answers will not be used. You have collected 15 questionnaires and only need 5 more to finish your project. Five students agree to take the questionnaires, yet, at the end, they change their minds and ask you not to include their answers. You do not have time to collect more answers, since you need to submit your project the next day. What would you do?

## Guidelines

### 1. Watch video (~3 minutes)

Watch the video in your group.

### 2. Spokesperson (~1 minute)

Nominate a spokesperson to write down the group's ideas and solutions.

### 3. Dilemmas and Solutions (~25 minutes)

Discuss Dilemmas I and II and propose solutions. The spokesperson should write the ideas (in sections 2 and 4) and solutions (in section 5) discussed, using post-its or sticky notes (online session only!).

### 4. Presentation (~2-3 minutes)

The spokesperson presents the group's ideas and solutions to the class.

### 5. Class Discussion (~10 minutes)

Class discussion about the ideas and solutions presented by the spokesperson.

## Share with friends

Take a photo and share the results of your group using the hashtags **#H2020INTEGRITY** and **#GeneticTests** and see others people's solutions. You can also download the game to play at [h2020integrity.eu/resource/tools](https://h2020integrity.eu/resource/tools).



This project received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 824586. The European Commission's support for the production of this material does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Visit [h2020integrity.eu](https://h2020integrity.eu) • Follow us @H2020INTEGRITY  

# H2020 INTEGRITY · Genetic Tests Board 03



**Case of the cheating student.** Watch the video (**see below**) about the problem of cheating at school assignments and exams. Now let's see how it applies to you. The case of the cheating student shows you an example of **plagiarism** when doing a school assignment and a **loyalty conflict**. **Discuss** in your group the two dilemmas (sections 2 and 4) and **write down** your thoughts about these dilemmas. You should also propose solutions (section 5) to deal with both dilemmas.

## 1 Watch video [youtu.be/8law9xSn47A](https://youtu.be/8law9xSn47A)



Please use the following **link** or **QR code** to watch the video.

## 3 Imagine now...

You have decided to use the online work as your own. You tell your best friend about it, who advises you not to plagiarise it, since it is dishonest behaviour. You ignore your best friend and submit the work anyway.

## 4 Dilemma II

You obtain a good grade and enter the university you wanted. However, your best friend does not obtain a good grade and is declined by the university. Your best friend knows that your grade is based on a plagiarised work. What would you do if you were this best friend?

## 5 Solutions

What solutions would you propose to deal with a situation, where you know that a friend of yours plagiarised a school assignment and you feel a loyalty conflict on reporting this action?

## 2 Dilemma I

You are doing a school assignment about genetic diseases, which is worth 40% of your final grade. You need to obtain a good grade to increase your chances of entering the university you want. While searching on the Internet, you find a work about genetic diseases that seems to fit the requirements for your assignment. What would you do?

## Guidelines

### 1. Watch video (~4 minutes)

Watch the video in your group.

### 2. Spokesperson (~1 minute)

Nominate a spokesperson to write down the group's ideas and solutions.

### 3. Dilemmas and Solutions (~25 minutes)

Discuss Dilemmas I and II and propose solutions. The spokesperson should write the ideas (in sections 2 and 4) and solutions (in section 5) discussed, using post-its or sticky notes (online session only!).

### 4. Presentation (~2-3 minutes)

The spokesperson presents the group's ideas and solutions to the class.

### 5. Class Discussion (~10 minutes)

Class discussion about the ideas and solutions presented by the spokesperson.

## Share with friends

Take a photo and share the results of your group using the hashtags **#H2020INTEGRITY** and **#GeneticTests** and see others people's solutions. You can also download the game to play at [h2020integrity.eu/resource/tools](https://h2020integrity.eu/resource/tools).



This project received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 824586. The European Commission's support for the production of this material does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Visit [h2020integrity.eu](https://h2020integrity.eu) • Follow us @H2020INTEGRITY  

# H2020 INTEGRITY · Genetic Tests Board 04



**Case of the sloppy research partner.** Watch the video (see below) about data fabrication in academic research. Now let's see how it applies to you. The case of the sloppy research partner shows you an example of **drawing from an unreliable study** and **data fabrication**. **Discuss** in your group the two dilemmas (sections 2 and 4) and **write down** your thoughts about these dilemmas. You should also propose solutions (section 5) to deal with both dilemmas.

## 1 Watch video [youtu.be/B\\_W\\_pUpDFng](https://youtu.be/B_W_pUpDFng)



Please use the following **link** or **QR code** to watch the video.

## 3 Imagine now...

You have obtained an extension to re-do your research. You decide to contact your partner to clarify the issues you found on the experimental procedure and data obtained. Your partner sends you additional data and other relevant information about the experimental conditions.

## 4 Dilemma II

You do your experiments following exactly the information your partner provided you, as you expect to obtain the same results and identify the issue. While analysing the data, you realise that your partner made-up some of the results. You feel you should report your partner's action. Yet, your partner has promised you a PhD position you really want to advance your career. What would you do?

## 5 Solutions

What solutions would you propose to deal with a situation, where you have drawn your work based on an unreliable study and you have found that someone fabricated data?

## 2 Dilemma I

You are doing a research project for your master dissertation that focuses on the prevalence of a specific mutation potentially related to a genetic disorder. This research is part of a big European funded project involving other researchers. You have designed your experimental work based on a study published by a project partner. When conducting your experiments and analysing your data, you realise that what is reported in your partner's study does not match your results. You don't have time to re-do your work as the deadline to submit your master dissertation is fast approaching. What would you do?

## Guidelines

### 1. Watch video (~4 minutes)

Watch the video in your group.

### 2. Spokesperson (~1 minute)

Nominate a spokesperson to write down the group's ideas and solutions.

### 3. Dilemmas and Solutions (~25 minutes)

Discuss Dilemmas I and II and propose solutions. The spokesperson should write the ideas (in sections 2 and 4) and solutions (in section 5) discussed, using post-its or sticky notes (online session only!).

### 4. Presentation (~2-3 minutes)

The spokesperson presents the group's ideas and solutions to the class.

### 5. Class Discussion (~10 minutes)

Class discussion about the ideas and solutions presented by the spokesperson.

## Share with friends

Take a photo and share the results of your group using the hashtags **#H2020INTEGRITY** and **#GeneticTests** and see others people's solutions. You can also download the game to play at [h2020integrity.eu/resource/tools](https://h2020integrity.eu/resource/tools).



This project received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 824586. The European Commission's support for the production of this material does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Visit [h2020integrity.eu](https://h2020integrity.eu) • Follow us @H2020INTEGRITY  