Dear participant,

**Thank you for taking part in this survey.** Your institution is one of the selected clinical sites participating in the multicenter study *PREPARE* of the U-PGx H2020 project that implements pre-emptive pharmacogenomic testing and evaluates its impact on therapy outcome.

For a successful implementation of pre-emptive pharmacogenomic testing, efficient decision support tools that provide you with the patients' pharmacogenomic test results and resulting drug dosing recommendations are vital. In the U-PGx project, different tools are used, depending on your institution's existing IT infrastructure and its technical capabilities. On the following pages you will be asked about your use of these tools and your opinion on them. Required questions are marked by a red asterisk (°).

**The survey takes about five to ten minutes to complete.** Be assured that all answers you provide will be kept in the strictest confidentiality; only aggregate data will be reported. *Your opinion is very important to us. Your feedback will be used to make the U-PGx decision support tools the best they can be.*

Please do not hesitate to contact us if you have any questions, or if you experience any problems with the survey.

**Contact**

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Center for Medical Statistics, Informatics,
1. What country are you located in? *

- Austria
- Greece
- Italy
- Slovenia
- Spain
- The Netherlands
- United Kingdom
2. **Since January 2017**, have you *at least once* ordered a pharmacogenomic test for a patient? *

-  Yes
-  No

3. **Since January 2017**, have you *at least once* used the following methods to view or interpret a patient's pharmacogenomic test results? *

- Please select "Digital pharmacogenomic report via the electronic health record" for all cases in which you retrieved pharmacogenomic results and recommendations via the electronic health record but **not** via an automatic alert.
- The **safety-code card** is a pocket card that contains an overview about the patient’s pharmacogenomic profile and a QR code that, after scanning, takes the user to patient-specific pharmacogenomic recommendations.
Must be numeric

Hidden unless: #2 Question "Since January 2017, have you at least once ordered a pharmacogenomic test for a patient?" is one of the following answers ("Yes")

Shortname / Alias: Number of tests Variable name: Number of tests

ID 13

4. **On average**, how many pharmacogenomic tests do you order per week, approximately? *

(untitled)

Hidden unless: Question "Other method(s)" is one of the following answers ("Yes")

Shortname / Alias: OM Variable name: OM

ID 47

5. Please specify the other method(s) you used to interpret a patient's pharmacogenomic results. *

(untitled)

Must be numeric

Hidden unless: Question "Automatic alert via the electronic health record" is one of the following answers ("Yes")

Shortname / Alias: AA number Variable name: AA number

ID 45

6. **On average**, how often do you encounter automatic alerts with pharmacogenomics-based recommendations via the electronic health record per week, approximately? *
7. **On average**, how many times do you use **digital pharmacogenomic reports via the electronic health record** to interpret a patient’s pharmacogenomic results **per week**, approximately? *

8. **On average**, how many times do you use **paper-based pharmacogenomic reports** to interpret a patient’s pharmacogenomic results **per week**, approximately? *

9. **On average**, how many times do you use the **safety-code card** to interpret a patient’s pharmacogenomic results **per week**, approximately? *
10. **On average**, how many times do you use other methods to interpret a patient’s pharmacogenomic results **per week**, approximately? *

    __________

Satisfaction with active CDS

11. They integrate well with my work routine. *

    | Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
    |-------------------|----------|---------|-------|---------------|
    |                   |          |         |       |               |

  __________
12. I feel that I have received enough training to confidently use them in my daily routine. *

| Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
|-------------------|----------|---------|-------|----------------|
|                   |          |         |       |                |

13. Do you feel the automatic alerts provide you with too much, too little or just the right amount of information for use in clinical practice? *

- Too little information
- Just the right amount of information
- Too much information

14. Overall, how satisfied or dissatisfied are you with the automatic pharmacogenomic alerts? *

| Very Dissatisfied | Dissatisfied | Neutral | Satisfied | Very Satisfied |
|-------------------|--------------|---------|-----------|----------------|
|                   |              |         |           |                |
15. Overall, I would rate the *user-friendliness* of the **automatic pharmacogenomic alerts** as: *

| Worst imaginable | Awful | Poor | OK | Good | Excellent | Best imaginable |
|------------------|-------|------|----|------|-----------|----------------|
|                  |       |      |    |      |           |                |

16. Do you have any suggestions for improvement or other comments on the **automatic pharmacogenomic alerts**?

**Satisfaction with passive CDS**

Please rate how much you agree or disagree with the following statements about the **digital pharmacogenomic reports in the electronic health record**:
17. They integrate well with my work routine. *

| Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
|-------------------|----------|---------|-------|----------------|
|                   |          |         |       |                |

18. I feel that I have received enough training to confidently use them in my daily routine. *

| Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
|-------------------|----------|---------|-------|----------------|
|                   |          |         |       |                |

19. Do you feel the digital pharmacogenomic reports provide you with too much, too little or just the right amount of information for use in clinical practice? *

- Too little information
- Just the right amount of information
- Too much information
20. Overall, how satisfied or dissatisfied are you with the **digital pharmacogenomic reports in the electronic health record**? *

| Very Dissatisfied | Dissatisfied | Neutral | Satisfied | Very Satisfied |
|-------------------|--------------|---------|-----------|----------------|
|                  |              |         |           |                |

21. Overall, I would rate the **user-friendliness** of the **digital pharmacogenomic reports** as: *

| Worst imaginable | Awful | Poor | OK | Good | Excellent | Best imaginable |
|------------------|-------|------|----|------|-----------|-----------------|
|                  |       |      |    |      |           |                 |
22. Do you have any suggestions for improvement or other comments on the digital pharmacogenomic reports in the electronic health record?

How do you like the structure of the report? Is the report too long? Is there any information that could be omitted in your opinion? Is there any information missing? Any other ideas for improvement?

Satisfaction with paper-based PGx reports

23. They integrate well with my work routine. *

| Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
|-------------------|----------|---------|-------|----------------|
|                   |          |         |       |                |
24. I feel that I have received enough training to confidently use them in my daily routine. *

| Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
|-------------------|----------|---------|-------|---------------|
|                   |          |         |       |               |

25. Do you feel the paper-based pharmacogenomic reports provide you with too much, too little or just the right amount of information for use in clinical practice? *

- Too little information
- Just the right amount of information
- Too much information

26. Overall, how satisfied or dissatisfied are you with the paper-based pharmacogenomic reports? *

| Very Dissatisfied | Dissatisfied | Neutral | Satisfied | Very Satisfied |
|-------------------|--------------|---------|-----------|---------------|
|                   |              |         |           |               |
27. Overall, I would rate the user-friendliness of the paper-based pharmacogenomic reports as: * 

Worst imaginable  Awful  Poor  OK  Good  Excellent  Best imaginable

28. Do you have any suggestions for improvement or other comments on the paper-based pharmacogenomic reports? 

How do you like the structure of the report? Is the report too long? Is there any information that could be omitted in your opinion? Is there any information missing? Any other ideas for improvement?

Satisfaction with MSC System I

Please rate how much you agree or disagree with the following statements:
29. Using the **safety-code card** integrates well with my work routine. *

| Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
|-------------------|----------|---------|-------|----------------|
|                   |          |         |       |                |

30. I feel that I have received enough training to confidently use the **safety-code card** in my daily routine. *

| Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
|-------------------|----------|---------|-------|----------------|
|                   |          |         |       |                |

31. **Do you feel the safety-code card** provides you with too much, too little or just the right amount of information for use in clinical practice? *

- Too little information
- Just the right amount of information
- Too much information
32. Overall, how satisfied or dissatisfied are you with the **safety-code card**?

| Very Dissatisfied | Dissatisfied | Neutral | Satisfied | Very Satisfied |
|-------------------|--------------|---------|-----------|---------------|
| **C**             | **C**        | **C**   | **C**     | **C**         |

33. Overall, I would rate the **user-friendliness** of the **safety-code card** as:

| Worst imaginable | Awful | Poor | OK | Good | Excellent | Best imaginable |
|------------------|-------|------|----|------|-----------|-----------------|
| **C**            | **C** | **C**| **C**| **C**| **C**     | **C**           |

34. Do you have any suggestions for improvement or other comments on the **safety-code card**?

Do you think the safety-code card is a useful tool? Why, why not? Do you have any comments on the website that displays the dosing recommendations? Any ideas for improvement?

(untitled)
Please rate how much you agree or disagree with the following statement:

| Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
|-------------------|----------|---------|-------|----------------|

35. I feel that I have received enough training to confidently use pharmacogenomic test results in my daily routine. *

36. Do you have any other comments on the U-PGx decision support tools, the pharmacogenomic dosing recommendations or is there anything else you would like us to know?
Thank you! You are almost done. Finally, we would like to ask you a few demographic questions.

37. Are you male or female?
   - Male
   - Female
   - Prefer not to state

38. How old are you?

39. How many years of experience do you have in your profession?
40. How many years of experience do you have with pharmacogenomics-guided prescribing (approximately)?
   In case you have less than one year experience, you can enter a fraction (e.g., 0.5 for a half year).

41. Which of the following best describes your field of work?
   - Anesthesiology
   - Clinical pharmacology
   - Emergency medicine
   - Internal medicine
   - Nephrology
   - Neurology
   - Obstetrics / Gynaecology
   - Oncology
   - Pediatrics
   - Pharmacy
   - Primary care / Family medicine
   - Psychiatry
   - Rheumatology
   - Surgery
   - Other - please specify
42. Most of the time, are you dealing with patients in an inpatient or outpatient setting?
   - Inpatient setting
   - Outpatient setting
   - Half inpatient / half outpatient setting

43. I am comfortable using computers.

44. I am comfortable using mobile devices such as smartphones or tablets.
45. I am comfortable using electronic health records.

| Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
|-------------------|----------|---------|-------|---------------|
|                   |          |         |       |               |

Thank You!

Thank you very much for your time, we appreciate your feedback! You are helping us to improve the U-PGx decision support tools.