

A 2023 survey on information systems for registered nurses Electronic health records and client information systems as registered nurses' tools

Obligatory questions marked with an asterix (*)

Background questions

- 1. I use health care information systems*
- for my work with patients or clients
- for administrative work
- for both my work with patients or clients and administrative work
- I don't use information systems at all

2. Gender*

- Male
- Female
- Other
- I don't wish to say

3. Year of birth*

• 1958-2005

4. Highest degree that you have completed*

- Nursing, a postsecondary degree [the prior degree before the education reform in 1996]
- Bachelor of Health Care (Nursing)
- University of applied sciences master's degree
- A university degree (Bachelor's Degree)
- A university degree (Master's Degree)
- A university degree (Licentiate or Doctor)

5. Healthcare professional*

• Registered nurse



- Public health nurse
- Midwife
- Paramedic
- Other

6. Year of completion of the degree in nursing*

• 1970-2023

7. Do you work as a supervisor?*

- No
- Yes, in lower management
- Yes, in middle management
- Yes, in upper management

Due to the social welfare and health care reform, we will next ask several questions about your workplace in order to ensure reliable reporting of the results. If you work in several workplaces, answer the survey based on the workplace where you work the most hours.

8. Do you work in...*

- social services
- health care
- Neither of these
- I cannot say

9. Does your unit offer...*

[Survey rule: The question appears to the respondent if they answers question 8: "health care"]

- primary health care services
- specialised health care services
- Neither of these
- I cannot say

10. Which sector pays your salary?*

• Public sector



- Private sector
- Third sector
- I cannot say

11. Where of the following options do you work at?*

- Public hospital
- Public health and social services centre, health centre, wellbeing station
- Private sector
- Social welfare
- Other

12. Where do you work more spesifically?* Hospital

- Inpatient ward (e.g. internal diseases)
- Emergency clinic
- Intensive care or monitoring unit
- Operating room
- Delivery room
- Outpatient clinic
- Other hospital unit

Public health and social services centre/ health centre

- Reception
- Inpatient ward
- Emergency clinic
- Child health clinic
- · Other social and health centre unit

Other environments

- Private medical clinic or centre
- Occupational health
- Emergency care or ambulance
- · Community nursing
- Home hospital



- Sheltered housing, supported housing or housing services (e.g. for older people, persons with intellectual disabilities or mental health and substance abuse rehabilitation)
- Enhanced sheltered housing (with 24/7 assistance)
- Institutional care (e.g. for persons with intellectual disabilities, child welfare clients or persons with substance abuse problems)
- Research unit (e.g. laboratory, imaging services)
- School or student health care
- Other

13. In which geographical area is your workplace located?* Select the area where the unit where you primarily work is located.

- East Uusimaa wellbeing services county
- Central Uusimaa wellbeing services county
- West Uusimaa wellbeing services county
- Vantaa and Kerava wellbeing services county
- Southwest Finland wellbeing services county
- Satakunta wellbeing services county
- Kanta-Häme wellbeing services county
- Pirkanmaa wellbeing services county
- Päijät-Häme wellbeing services county
- Kymenlaakso wellbeing services county

- South Karelia wellbeing services county
- South Savo wellbeing services county
- North Savo wellbeing services county
- North Karelia wellbeing services county
- Central Finland wellbeing services county
- South Ostrobothnia wellbeing services county
- Ostrobothnia wellbeing services county
- Central Ostrobothnia wellbeing services county
- North Ostrobothnia wellbeing services county



- Kainuu wellbeing services county
- Lapland wellbeing services county

- City of Helsinki
- Åland

Use of electronic health record/ client information systems at work

- 14. How many information systems do you log in to daily when working with clients/ patients? (This refers to separate logins using a username or an ID card to systems, which are used to record client or patient data):*
- 0
- 1
- 2
- 3
- 4
- 5 or more
- I do not work with clients/patients
- 15. Has a new electronic health record/ client information system been implemented in your unit?
- Yes, within the past 6 months
- Yes, within the past 12 months
- No, but a new system will be implemented within the next 12 months
- Not within the last 12 months
- 16. How experienced do you consider yourself as a user of electronic health record/ client information system?*
- Beginner (1)
- 2
- 3
- 4
- Highly experienced (5)



- 17. What is the electronic health record/ client information system you mainly use in your work?*
- Abilita
- Acute
- DomaCare
- DynamicHealth
- Effica healthcare
- Effica social welfare
- Epic (Apotti)
- Esko
- Hilkka
- Lifecare
- Mediatri
- Merlot-Medi
- Nappula
- OMNI360
- Pegasos
- Safir
- Siro
- Uranus
- Other, please specify
- 18. On a scale of 4 to 10 how would you rate the electronic health record/ client information system [answer to question 17] that you mainly use (computer version)?*
- 10 (Excellent)
- 9 (Very good)
- 8 (Good)
- 7 (Satisfactory)
- 6 (Fair)
- 5 (Passable)
- 4 (Fail)
- I am not able to give a grade, or I don't wish to do so



19. For how long have you used the [answer to question 17] system?*

- Less than six months
- Six months less than one year
- One year less than three years
- Three years six years
- More than six years
- 20. Do you use the [answer to question 17] electronic health record/client information system also on mobile devices (such as a smartphone or a tablet)?*
- Yes
- No
- The information system cannot be used on a mobile device

Use of electronic health records and client information systems on a mobile device

[Survey rule: The section appears to the respondent if they answers question 20: "Yes"]

- 21. On a scale of 4 to 10 how would you rate the electronic health record/ client information system [answer to question 17] that you mainly use (mobile version)?* [Survey rule: The section appears to the respondent if they answers question 20: "Yes"]
- 10 (Excellent)
- 9 (Very good)
- 8 (Good)
- 7 (Satisfactory)
- 6 (Fair)
- 5 (Passable)
- 4 (Fail)
- I am not able to give a grade, or I don't wish to do so



22. Use the following statements to assess recording information in the [answer to question 17] electronic health record/ client information system on a mobile device. [Survey rule: The section appears to the respondent if they answers question 20: "Yes"]

| | Fully agree | Some what | Neither agree | Some- what | Fully disa- |
|---------------------|----------------|--------------|-------------------|---------------|----------------|
| | | agree | nor disa- gree | | gree |
| Recording | | | | | |
| information on a | | | | | |
| mobile device is | | | | | |
| smooth | | | | | |
| Recording | | | | | |
| information on a | | | | | |
| mobile device | | | | | |
| saves my | | | | | |
| working time | | | | | |
| Recording | | | | | |
| information on a | | | | | |
| mobile device | | | | | |
| reduces the need | | | | | |
| to remember | | | | | |
| things | | | | | |
| I can use my | | | | | |
| mobile device to | | | | | |
| record everything | | | | | |
| I need | | | | | |
| I have received | | | | | |
| sufficient training | | | | | |
| in recording | | | | | |
| information on a | | | | | |
| mobile device | | | | | |



Use of electronic health records and client information systems on a computer

[Survey rule: The section appears to the respondent if they answers question 20: "Yes"]

In the following section, we ask you to evaluate using the electronic health record/ client information system on a computer.

Information systems supporting work

23. Use the following statements to assess the functionality of the electronic health record/ client information system [answer to question 17].

| | Fully agree | Some what agree | Neither agree nor disa- gree | Some- what disagree | Fully disa- gree |
|-------------------|----------------|-----------------------|---------------------------------------|---------------------------|------------------------|
| The system is | | | | | |
| stable in terms | | | | | |
| of technical | | | | | |
| functionality | | | | | |
| (does not crash, | | | | | |
| no downtime) | | | | | |
| The system | | | | | |
| responds quickly | | | | | |
| to inputs | | | | | |
| Faulty system | | | | | |
| function has | | | | | |
| caused a serious | | | | | |
| adverse event for | | | | | |
| a patient | | | | | |
| Faulty system | | | | | |
| function has | | | | | |
| nearly caused a | | | | | |
| serious adverse | | | | | |



| patient | event for a | | |
|---------|-------------|--|--|
| | patient | | |

24. Use the following statements to assess the usability of the electronic health record/ client information system [answer to question 17].

| | Fully | Some- | Neither | Some- | Fully |
|-------------------------|-------|-------|-----------|----------|-------|
| | agree | what | agree nor | what | disa- |
| | | agree | disagree | disagree | gree |
| The arrangement of | | | | | |
| fields and functions is | | | | | |
| logical on the screen | | | | | |
| The terms of the | | | | | |
| electronic health | | | | | |
| record/ client | | | | | |
| information system | | | | | |
| (e.g., names of | | | | | |
| functions and titles) | | | | | |
| are understandable | | | | | |
| Routine tasks can be | | | | | |
| performed in a | | | | | |
| straightforward | | | | | |
| manner and without | | | | | |
| extra selections | | | | | |
| The information | | | | | |
| system instructs its' | | | | | |
| user to learn how to | | | | | |
| use the system | | | | | |
| The user can adjust | | | | | |
| the information | | | | | |
| system | | | | | |



25.Use the following statements to assess how the information systems you use support currying out your duties.

| | Fully | Some- | Neither | Some- | Fully |
|----------------------------|-------|-------|----------|-------|-------|
| | agree | what | agree | what | disa- |
| | | agree | nor dis- | dis- | gree |
| | | | agree | agree | |
| Learning to use the | | | | | |
| electronic health | | | | | |
| record/ client | | | | | |
| information system | | | | | |
| does not require a lot of | | | | | |
| training | | | | | |
| It is easy to obtain | | | | | |
| necessary patient | | | | | |
| information using the | | | | | |
| information system | | | | | |
| Getting patient data | | | | | |
| from another | | | | | |
| organization often takes | | | | | |
| too much time | | | | | |
| Measurement results | | | | | |
| and other health data | | | | | |
| provided electronically | | | | | |
| by the patient can be | | | | | |
| easily utilized in patient | | | | | |
| care | | | | | |
| The notifications | | | | | |
| provided by the system | | | | | |
| are useful | | | | | |
| The number of | | | | | |
| notifications from | | | | | |
| information systems is | | | | | |
| appropriate | | | | | |



26. Use the following statements to assess how the [answer to question 17] electronic health record/ client information system supports the recording of nursing and the utilisation of recorded information.

| | Fully agree | Some what agree | Neither agree nor disagree | Some- what disagree | Fully disa- gree |
|------------------------------|----------------|-----------------------|-------------------------------------|---------------------------|------------------------|
| Generally, the information | | | | | |
| system supports nursing | | | | | |
| documentation | | | | | |
| Information documented | | | | | |
| into the nursing record is | | | | | |
| in an easily readable | | | | | |
| format | | | | | |
| It is easy to retrieve the | | | | | |
| nursing record data | | | | | |
| The use of standardized | | | | | |
| documentation makes it | | | | | |
| easier to utilize | | | | | |
| patient/client data | | | | | |
| The electronic health | | | | | |
| record/ client information | | | | | |
| system supports compiling | | | | | |
| a nursing discharge | | | | | |
| summary | | | | | |
| Documentation of client/ | | | | | |
| patient data for statistical | | | | | |
| and reporting purposes is | | | | | |
| fast | | | | | |
| The patient's current | | | | | |
| medication list is | | | | | |
| presented in a clear | | | | | |
| format | | | | | |



| | Fully agree | Some what agree | Neither agree nor | Some- what disagree | Fully disa- gree |
|----------------------------|----------------|-----------------------|-------------------------|---------------------------|------------------------|
| | | agree | disagree | disagree | gree |
| The patient's risk | | | | | |
| information (e.g. drug | | | | | |
| hypersensitivity) is | | | | | |
| presented in a clear | | | | | |
| format | | | | | |
| The system supports | | | | | |
| reacting to and finding | | | | | |
| doctor's orders | | | | | |
| The electronic health | | | | | |
| record/ client information | | | | | |
| system supports the | | | | | |
| recording of the planning | | | | | |
| of multidisciplinary care | | | | | |
| The electronic health | | | | | |
| record/ client information | | | | | |
| system supports the | | | | | |
| recording of the | | | | | |
| implementation of | | | | | |
| multidisciplinary care | | | | | |

27. Use the following statements to assess how the information is used in your unit.

| | Fully | Some | Neither | Some- | Fully |
|---------------------------|-------|-------|----------|----------|-------|
| | agree | what | agree | what | disa- |
| | | agree | nor | disagree | gree |
| | | | disagree | | |
| The quality of nursing | | | | | |
| documentation is assessed | | | | | |
| The results of the | | | | | |
| assessment of nursing | | | | | |



| | Fully | Some | Neither | Some- | Fully |
|--------------------------|-------|-------|----------|----------|-------|
| | agree | what | agree | what | disa- |
| | | agree | nor | disagree | gree |
| | | | disagree | | |
| documentation are | | | | | |
| reviewed in my unit | | | | | |
| Nursing records are used | | | | | |
| in knowledge-based | | | | | |
| management, e.g. | | | | | |
| developing care | | | | | |

- 28. During the last week, have you recorded the same client/patient information more than once for the same care event? You may choose one or more options.
- No, a single recording is enough
- Yes, I record in two different electronic health record/ client information systems
- Yes, I first record on paper and then in the information system
- Yes, to make sure, I record in several different places in the information system
- Yes, I record in several different places in the information system for some other reason, specify if you wish: _____

29. In the last 2 months, how often have you encountered the following phenomena related to patient safety?

| | Daily | Weekly | Monthly | Less | Not |
|-------------------------|-------|--------|---------|---------|-----|
| | | | | often | at |
| | | | | than | all |
| | | | | monthly | |
| Information about the | | | | | |
| patient/client has been | | | | | |
| recorded for the wrong | | | | | |
| person | | | | | |



| | Daily | Weekly | Monthly | Less | Not |
|-----------------------------|-------|--------|---------|---------|-----|
| | | | | often | at |
| | | | | than | all |
| | | | | monthly | |
| Information about the | | | | | |
| patient/client has been | | | | | |
| recorded in the wrong | | | | | |
| place | | | | | |
| Information about the | | | | | |
| patient/client is incorrect | | | | | |
| (contains factual errors) | | | | | |
| Information about the | | | | | |
| patient/client is | | | | | |
| incomplete (contains | | | | | |
| unclear information or | | | | | |
| does not contain all | | | | | |
| necessary information) | | | | | |

Competence, training and orientation

30. How well do you feel you master the following skills required by information systems? If you feel that you need more training in a skill, then also tick the box 'I need more training'.

Basic IT skills (such as email, word processor, information retrieval) How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

• I need more training



Documentation of patient care according to the nursing process How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

• I need more training

Documentations to an electronic health record/ client information system

How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

• I need more training

Documentation of nursing diagnosis (FiCND) How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

I need more training



Documentation of goals of planned care How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

• I need more training

Documentation of planned nursing interventions (FiCNI) How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

I need more training

Documentation of nursing interventions (FiCNI)

How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

I need more training



Documentation of the assessment of patient outcomes (FiCNO) How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

• I need more training

Documentation of nursing care intensity How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

• I need more training

Compiling of a nursing discharge summary How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

I need more training

Use of clinical guidelines and other evidence-based information in practice



How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

• I need more training

Supporting a client in utilizing the possibilities of electronic services for self-care

How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

I need more training

Supporting a client in choosing the most appropriate services How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

I need more training



Working in a digital healthcare environment How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

• I need more training

Development of e-health services in multiprofessional collaboration with patients and other stakeholders

How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

• I need more training

Complying with data protection and data security principles in daily work

How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

I need more training



Applying the nurses' code of ethics while acting in electronic health services

How well do you feel you master the following skills required by information systems?

- Excellently
- Well
- Satisfactorily
- Passably
- My organization does not require this skill

The need for training

• I need more training

31. My unit has...

| | Yes | No | I don't know |
|---|-----|----|-----------------|
| an orientation programme for new employees, which includes guidance on the use of the electronic health record/ client information system | | | |
| a designated person who supports others in the use of the electronic health record/ client information system | | | |
| a mentoring programme in the use of the electronic health record/ client information system | | | |

32. Assess the training or orientation related to the use of information systems.

| | Fully | Some | Neither | Some- | Fully |
|--------------------------|-------|-------|----------|----------|-------|
| | agree | what | agree | what | disa- |
| | | agree | nor | disagree | gree |
| | | | disagree | | |
| As a new employee, I | | | | | |
| received enough in-house | | | | | |
| training in information | | | | | |
| system use | | | | | |



| | Fully agree | Some what agree | Neither agree nor disagree | Some- what disagree | Fully disa- gree |
|----------------------------|----------------|-----------------------|-------------------------------------|---------------------------|------------------------|
| Employer offers | | | | | |
| continuous training in | | | | | |
| electronic health record/ | | | | | |
| client information system | | | | | |
| use | | | | | |
| Support received from my | | | | | |
| colleagues increases my | | | | | |
| competence as a user of | | | | | |
| the electronic health | | | | | |
| record/ client information | | | | | |
| system | | | | | |

- 33. I have last participated in training provided by the organisation, related to the use of the electronic health record/ client information system...
- · Less than six months
- Six months less than one year
- One year less than three years
- Three years six years
- More than six years ago

Effects of information systems

34. Use the following statements to assess how the information systems you use support carrying out your duties.

| | Fully | Some | Neither | Some- | Fully |
|--------------------------|-------|-------|----------|----------|-------|
| | agree | what | agree | what | disa- |
| | | agree | nor | disagree | gree |
| | | | disagree | | |
| Information systems help | | | | | |
| in preventing errors and | | | | | |



| | Fully agree | Some what agree | Neither agree nor disagree | Some- what disagree | Fully disa- gree |
|--|----------------|-----------------------|-------------------------------------|---------------------------|------------------------|
| mistakes associated with medications | | | | | |
| Information systems help to avoid duplicate tests and examinations | | | | | |
| Information systems help to ensure continuity of care | | | | | |
| The electronic health record/ client information system generates a | | | | | |
| summary view that helps to form an overall picture of the patient's health | | | | | |
| status | | | | | |
| Information systems help to improve quality of care | | | | | |
| It is difficult to see the essential information from a very large amount of | | | | | |
| data. | | | | | |
| Use of information systems disrupts the nurse-patient relationship | | | | | |
| The information system | | | | | |
| takes too much time out | | | | | |
| of the nurse's time with | | | | | |
| clients/patients | | | | | |
| Use of information system speeds up decision-making in patient care | | | | | |



Development of information systems

35. Have you participated in information systems' development work?*

- Yes, some of my working time has been allocated for such development work
- Yes, in addition to my work
- No
- 36. What kind of experiences have you had about providing feedback on the information systems you use and about development?

 Please assess the following statements based on your experiences.

| | Fully agree | Some what agree | Neither agree nor disagree | Some- what disagree | Fully disa- gree |
|----------------------------|----------------|-----------------------|-------------------------------------|---------------------------|------------------------|
| I know how and to whom I | | | | | |
| can send feedback about | | | | | |
| the system if I wish to do | | | | | |
| SO | | | | | |
| The system vendor is | | | | | |
| interested in end users' | | | | | |
| feedback about the system | | | | | |
| The system vendor | | | | | |
| implements corrections | | | | | |
| and change requests | | | | | |
| according to the | | | | | |
| suggestions of the end | | | | | |
| users | | | | | |
| Corrections and change | | | | | |
| requests are implemented | | | | | |
| within a reasonable time | | | | | |
| frame | | | | | |



Flow of information

37. To what extent do you use the following ways of obtaining client-/ patient data from another organization?

| | Daily | Weekly | Monthly | Less | Not |
|------------------------|-------|--------|---------|------------|-----|
| | | | | frequently | at |
| | | | | | all |
| Telephone | | | | | |
| Paper | | | | | |
| Fax | | | | | |
| Regional health | | | | | |
| information exchange | | | | | |
| system (Altti/Navitas, | | | | | |
| Alue-Effica, Apotti) | | | | | |
| Kanta | | | | | |

38. How well do you consider that information systems support collaboration and information exchange between various parties?

| | Very well | Fairly well | Neither well nor poorly | Rather poorly | Very poorly |
|---------------------------|--------------|----------------|-------------------------------|------------------|----------------|
| Between nurses in your | | | | | |
| own organization | | | | | |
| Between nurses working in | | | | | |
| different organizations | | | | | |
| Between nurses and | | | | | |
| physicians | | | | | |
| Between nurses and | | | | | |
| clients/patients | | | | | |



Information systems as a management tool

[Survey rule: The section appears to the respondent if they answers question 7 Do you work as a supervisor?* "Yes, in lower management" / "Yes, in middle management" / "Yes, in upper management"]

39. How, all in all, do the information systems used in the organization work as a management tool?

[Survey rule: The question appears to the respondent if they answers question 7 Do you work as a supervisor?* "Yes, in lower management" / "Yes, in middle management" / "Yes, in upper management"]

| | Fully agree | Some what agree | Neither agree nor disagree | Some- what disagree | Fully disa- gree |
|------------------------------|----------------|-----------------------|-------------------------------------|---------------------------|------------------------|
| I have to collect | | | | | |
| information needed for | | | | | |
| management from several | | | | | |
| information systems | | | | | |
| I can use information | | | | | |
| systems to guide daily | | | | | |
| activity | | | | | |
| Information systems | | | | | |
| facilitate the measurement | | | | | |
| and monitoring of the | | | | | |
| quality of operations | | | | | |
| I have to order most of the | | | | | |
| reports I need | | | | | |
| Information systems help | | | | | |
| me to monitor the | | | | | |
| achieving of the targets set | | | | | |
| by my unit (e.g., numbers | | | | | |
| of patients, periods of | | | | | |



| | Fully | Some | Neither | Some- | Fully |
|-------------------------------|-------|-------|----------|----------|-------|
| | agree | what | agree | what | disa- |
| | | agree | nor | disagree | gree |
| | | | disagree | | |
| treatment, types of | | | | | |
| operations) | | | | | |
| Follow-up data provided | | | | | |
| by the systems is reliable | | | | | |
| Information systems have | | | | | |
| helped to improve the | | | | | |
| efficacy of my unit in the | | | | | |
| last few years | | | | | |
| I can use information | | | | | |
| systems to follow the use | | | | | |
| of human resources | | | | | |
| I can use information | | | | | |
| systems to follow the use | | | | | |
| of physical resources e.g., | | | | | |
| equipment. | | | | | |
| I can use information | | | | | |
| systems to follow the use | | | | | |
| of facilities e.g., number of | | | | | |
| beds | | | | | |
| I use some systems | | | | | |
| facilitating follow-up of | | | | | |
| activity every day | | | | | |
| It is easy to perform | | | | | |
| searches with the systems | | | | | |
| used for following up | | | | | |
| activity | | | | | |
| | | | | | |



Digitalisation and well-being at work

40. The following questions relate to your well-being during the past few weeks.

| | Much more | Somewhat | No more | Not at |
|---------------------------|------------|--------------------|------------|--------|
| | than usual | more than usual | than usual | all |
| Have you recently lost | | | | |
| much sleep over worry? | | | | |
| Have you recently been | | | | |
| feeling unhappy and | | | | |
| depressed? | | | | |
| Have you recently felt | | | | |
| like you are constantly | | | | |
| overstressed? | | | | |
| Have you recently felt | | | | |
| that you can't deal with | | | | |
| the difficulties that you | | | | |
| face? | | | | |

41. How often has each of the issues mentioned below clearly disturbed, worried, or burdened you at work during the past 6 months?

| | Never | Very | Quite | Quite | Very | Constantly |
|----------------------|-------|--------|--------|-------|-------|------------|
| | | rarely | rarely | often | often | |
| Constant rush and | | | | | | |
| pressure due to | | | | | | |
| uncompleted work | | | | | | |
| Not enough time to | | | | | | |
| perform work | | | | | | |
| properly | | | | | | |
| Changing information | | | | | | |
| systems | | | | | | |



| | Never | • | Quite rarely | • | • | Constantly |
|--------------------|-------|---|-----------------|---|---|------------|
| Awkward, poorly | | | | | | |
| functioning IT | | | | | | |
| equipment/software | | | | | | |

42. In the last 6 months, I've been planning to change...

| | Fully | Some | Neither | Some- | Fully |
|-----------------------|-------|-------|----------|----------|-------|
| | agree | what | agree | what | disa- |
| | | agree | nor | disagree | gree |
| | | | disagree | | |
| my workplace/employer | | | | | |
| my profession | | | | | |

Digital work

43. How do you feel about the following claims about Kanta services? Assess the claims from the perspective of your own work.

| | Fully agree | Some- what agree | Neither agree nor disagree | Some- what disagree | Fully disa- gree | Not applicable to my work |
|----------------|----------------|------------------------|----------------------------------|---------------------------|------------------------|------------------------------------|
| Kanta services | | | | | | |
| are easy to | | | | | | |
| open through | | | | | | |
| the electronic | | | | | | |
| health record/ | | | | | | |
| client | | | | | | |
| information | | | | | | |
| system I use | | | | | | |
| ([answer to | | | | | | |
| question 17]) | | | | | | |



| | Fully agree | Some- what agree | Neither agree nor disagree | Some- what disagree | Fully disa- gree | Not applicable to my work |
|------------------------|----------------|------------------------|----------------------------------|---------------------------|------------------------|------------------------------------|
| The | | | | | | |
| client/patient | | | | | | |
| information I | | | | | | |
| need is | | | | | | |
| available | | | | | | |
| through the | | | | | | |
| Kanta service | | | | | | |
| I can easily | | | | | | |
| find the | | | | | | |
| client/patient | | | | | | |
| information I | | | | | | |
| am looking for | | | | | | |
| in the Kanta | | | | | | |
| service | | | | | | |
| In Kanta | | | | | | |
| services, | | | | | | |
| summaries of | | | | | | |
| key health | | | | | | |
| information | | | | | | |
| help to create | | | | | | |
| an overall | | | | | | |
| picture of the patient | | | | | | |
| The Kanta | | | | | | |
| service | | | | | | |
| package is easy | | | | | | |
| to use | | | | | | |



44. Does your work include guiding clients/patients...

| | Daily | Weekly | Monthly | Less frequently | Not at all |
|--|-------|--------|---------|--------------------|---------------|
| towards digital services (as service users)? | | | | Trequently | |
| in using digital services? | | | | | |

- 45. Does your work involve digital client/patient contact? This does not refer to work carried out by telephone.
- Yes
- No
- 46. Does your work only include digital client/patient contact?

[Survey rule: The question appears to the respondent if they answers question 45: "Yes"]

- Yes
- No
- 47. How often has your work included the following digital service events in the past 6 months?

[Survey rule: The question appears to the respondent if they answers question 45: "Yes"]

| | Daily | Weekly | Monthly | Less | Not |
|--------------------------|-------|--------|---------|------------|--------|
| | | | | frequently | at all |
| Anonymous service | | | | | |
| Real-time or non-real- | | | | | |
| time communication with | | | | | |
| the client | | | | | |
| The customer has | | | | | |
| identified themselves | | | | | |
| Customer video reception | | | | | |



| | Daily | Weekly | Monthly | Less frequently | Not at all |
|------------------------------|-------|--------|---------|--------------------|---------------|
| Real-time digital | | | | | |
| communication with the | | | | | |
| client | | | | | |
| Non-real-time digital | | | | | |
| communication with the | | | | | |
| client | | | | | |
| Helping the client's care in | | | | | |
| a digital service without | | | | | |
| direct customer contact | | | | | |
| Other | | | | | |

48. Do you feel that you have received enough support for doing digital work?

[Survey rule: The question appears to the respondent if they answers question 45: "Yes"]

| | Not at | Only a | Somewhat | Fairly | Very |
|--------------------|--------|--------|----------|--------|------|
| | all | little | | much | much |
| from my immediate | | | | | |
| supervisor | | | | | |
| from my colleagues | | | | | |

The following question concerns your thoughts on the use of digital technology in your work (e.g. patient information systems, different terminal devices, technologies used in patient care, technologies related to remote reception, digital interaction channels).



49. How often do you have the following kinds of feelings and thoughts?

| | Daily | Weekly | Monthly | Less | Not |
|----------------------------|-------|--------|---------|------------|--------|
| | | | | frequently | at all |
| I am enthusiastic about | | | | | |
| utilising technology in my | | | | | |
| job | | | | | |
| Utilising technology | | | | | |
| inspires me in my job | | | | | |
| I am proud that I utilise | | | | | |
| technology in my work | | | | | |

- 50. Please write below if you have any comments or feedback on client information and health record systems
- 51. Any message to the research group and your feedback on the survey

Thank you for responding!