

## **Appendix A**

# **Interview Guide**

## Intervjuguide «Digital Sikkerhetskultur innen Helsevesenet»

- 1 Hvilke trusler mener du utgjør den største faren for helseforetak i 2021?
- 2 Har du oversikt over de ulike kursene som tilbys helsesektoren?
  - a. Er disse tilpasset hver de ulike arbeidsfeltene vi finner innenfor helsesektoren eller er de mer generelle?
    - i. Hvis generelle: Føler du at en tilpasset tilnærming til opplæringen hadde vært mer gunstig for utviklingen av en solid sikkerhetsatferd?
    - ii. Hvis tilpasset: Føler du sikkerhetskulturen forbedret seg etter de fikk tilpasset opplæring?
- 3 Får helsepersonell i deres foretak tilbud om kursing i informasjonssikkerhet?
  - a. Hvis ja, er det obligatorisk å gjennomføre treningen/kurset?
    - i. Takker mange ja til kursing?
  - b. Er dette en del av opplæringen eller får de tilbud om det etter hvert?
  - c. Hvor ofte må de gjenta kurset?
  - d. Hvordan metode mener du oppnår best effekt på informasjonssikkerheten?
    - i. Kurs
      1. Fysisk
      2. E-læring
    - ii. Trening
    - iii. Testing
    - iv. Workshops
  - e. Hvis nei, tror du at de ansatte har et behov for en sãnn type kurs eller trening?
- 4 Hvilke metoder bruker dere i forbindelse med kartlegging av sikkerhetskultur i foretaket?
- 5 Under normale forhold (non-covid), kjører dere testing på de ansatte for å sjekke om infosec-treningen har fungert?
  - a. Hvis ja, hvilke metoder bruker dere?

- b. Hvis nei, er det noen grunn til at det ikke blir prioritert?
  
- 6 Føler du at helseforetakene fokuserer nok på sikkerhetskultur blant helsepersonell?
  - a. Mener du at det prioriteringen deres er riktig eller hadde du ønsket endringer i forhold til det trusselbildet vi ser i dag?
  - b. Hvordan informerer dere de ansatte om eventuelle trusler eller hendelser?
  
- 7 Har dere rutiner for rapportering av mistenksomme eposter?
  - a. Hvis ja, er det mange ansatte som bruker det?
  - b. Er metoden for rapporteringen enkel og lett tilgjengelig?
  - c. Hvordan håndteres disse i ettertid? Får de ansatte beskjed om funnene?
  - d. Hvis nei, hvorfor har dere ikke rutiner for rapportering?
  
- 8 Synes du at de anbefalingene angående kursing innen informasjonssikkerhet og sikkerhetskultur som eksisterer i dag er gode nok?
  - a. Hvis ja, ser dere noen effekt av dette etter gjennomført kurs?
  - b. Hvis nei, har du noen meninger om hvordan de kan gjøres bedre?
  
- 9 Hvilke fokus bør helseforetakene ha for å øke den digitale bevisstheten til de ansatte i helseforetakene?
  - a. Bedre passordpolicy
  - b. 2FA/MFA/Biometri
  - c. Deling av tilganger
  - d. Tilgangsstyring
  - e. Overvåking av personell
  - f. Begrense fysiske tilganger
  - g. Konsekvenser for ureglementerte hendelser
  
- 10 Involveres lederne i prosessene rundt kursingen?
  - a. Hvis ja, har dere sett en effekt av det?
  - b. Hvis nei, hvorfor ikke?

## Interview guide “Digital security culture in health care”

- 1 What threats do you think pose the greatest danger to health care companies in 2021?
- 2 Do you have an overview of the different courses offered to the health care sector?
  - a. Are these adapted to each of the different fields of work we find in the healthcare sector or are they more general?
    - i. If general: Do you feel that a customized approach to training would have been more beneficial to the development of a solid security behavior?
    - ii. If customized: Do you feel the security culture improved after they received customized training?
- 3 Are health professionals in their company being offered information security training?
  - a. If so, is it mandatory to complete the training/course?
    - i. Do many accept the training?
  - b. Is this part of the tutorial or do they get offered it eventually?
  - c. How often do they have to repeat the course?
  - d. How do you think you have the best effect on information security?
    - i. Course
      1. Physical
      2. E-learning
    - ii. Training
    - iii. Testing
    - iv. Workshops
  - e. If no, do you think your employees have a need for such a type of course or training?
- 4 What methods do you use when mapping safety culture in the enterprise?
- 5 Under normal conditions(non-covid), do you run testing on the staff to check if the information security training has worked?
  - a. If so, what methods do you use?

- b. If no, is there any reason why it won't be prioritized?
  
- 6 Do you feel that health care companies are focusing enough on safety culture among healthcare professionals?
  - a. Do you think that their priority is right, or did you want changes in relation to the threats we see today?
  - b. How do you inform your employees of any threats or incidents?
  
- 7 Do you have routines for reporting suspicious emails?
  - a. If so, are there many employees who use it?
  - b. Is the method of reporting simple and easily accessible?
  - c. How are these handled afterwards? Are employees notified of the findings?
  - d. If no, why don't you have reporting practices?
  
- 8 Do you think that the recommendations regarding training in information security and security culture that exist today are good enough?
  - a. If so, do you see any effect of this after completing the course?
  - b. If no, do you have any opinions on how they can be done better?
  
- 9 What focus should health enterprises have in increasing the digital awareness of health care workers?
  - a. Better password policy
  - b. 2FA/MFA/Biometrics
  - c. Sharing permissions
  - d. Access management
  - e. Monitoring of personnel
  - f. Restrict physical accesses
  - g. Consequences for unruly events
  
- 10 Are the leaders involved in the processes around the training?
  - a. If so, have you seen an effect of that?

b. If no, why not?

## **Appendix B**

# **Questionnaire**

**Velkommen til denne spørreundersøkelsen om Digital sikkerhetskultur i helsevesenet.**

### **Hvem har laget undersøkelsen og hva handler den om?**

Mitt navn er Weronica Nilsen, og jeg er masterstudent på NTNU i Gjøvik hvor jeg studerer informasjonssikkerhet. Min masteroppgave handler om digital bevissthet og sikkerhetskultur innen helsevesenet. En del av den går ut på å kartlegge bevisstheten rundt digital sikkerhet i jobbsammenheng og privat. En annen del omhandler å kartlegge om de retningslinjer og policyer som er pålagt helsepersonell påvirker jobbhverdagen.

### **Spørreundersøkelsen**

Spørreundersøkelsen består av 26 spørsmål delt opp i 5 ulike kategorier og selve undersøkelsen vil ta i underkant av 10 minutter å gjennomføre.

- Del 1 er bakgrunnsinformasjon, om du bruker digitale helsesystemer, arbeidstilhørighet og om du har gjennomført informasjonssikkerhetkurs eller -trening.
- Del 2 handler om holdninger og risikoppfattelse.
- Del 3 handler om oppfattelse av styring og kontroll.
- Del 4 handler om atferd i forbindelse med bruk av internett på jobb og hjemme.
- Del 5 handler om hvor kunnskapen om informasjonssikkerhet kommer fra og om hvilke metoder motivere læring for deg.

### **Anonymitet og deltakelse**

Undersøkelsen er helt anonym, men alle spørsmålene er obligatoriske bortsett fra tekstsvar som er helt frivillig å svare på. Et annet viktig aspekt er at siden spørreundersøkelsen er anonym, vil det være helt umulig å slette dine svar etter du har levert inn. Innlevert svar vil da bli behandlet som samtykke for deltakelse. Du står helt fritt til å avbryte spørreundersøkelsen når du måtte ønske før den blir sendt inn. Da vil alle svar du har levert, bli slettet.

### **Kontakt**

Hvis du har noen spørsmål eller kommentarer angående oppgaven eller ønsker å lese oppgaven etter den er ferdig, kan du kontakte meg på epost [weronicn@stud.ntnu.no](mailto:weronicn@stud.ntnu.no). Oppgaven vil bli veiledet av Vasileios Gkioulos ([vasileios.gkioulos@ntnu.no](mailto:vasileios.gkioulos@ntnu.no)) og Gaute Wangen ([gaute.wangen@ntnu.no](mailto:gaute.wangen@ntnu.no)).

Tusen takk for hjelpen!



### **Del 1 - Bakgrunnsinformasjon**

1. Bruker du elektronisk pasientjournal eller andre digitale helsesystemer?
  - Ja
  - Nei

### **Del 1 - Bakgrunnsinformasjon**

2. Kjønn
  - Kvinne
  - Mann
  - Ikke-binær
  - Ønsker ikke svare

3. Hvor gammel er du?
  - Under 20
  - 20-29 år
  - 30-39 år
  - 40-49 år
  - 50-59 år
  - 60-69 år
  - Over 70 år

4. Innen hvilken helsetjeneste jobber du?

Hvis du ikke finner riktig helsetjeneste, legg det til under annet.

- Spesialisthelsetjenesten
- Primærhelsetjenesten
- Sosiale tjenester
- Annet

5. Har du gjennomgått informasjonssikkerhetstrening?

*Informasjonssikkerhetstrening vil si interne eller eksterne aktiviteter i form av styrking av informasjonssikkerheten i regi av arbeidsgiver/oppleggsgiver.*

- Ja
- Nei

## Del 2 - Holdninger og risikooppfatning til digital sikkerhet

6. Hvor enig er du i følgende påstander?

*Dette er dine subjektive holdninger til digitalisering og informasjonssikkerhet.*

*Helt uenig / Delvis uenig / Delvis enig / Helt enig / Vet ikke*

- Jeg er positiv til ny teknologi i jobbsammenheng
- Jeg er positiv til ny teknologi privat
- Det er høy risiko forbundet med å bruke internett på jobb
- Det er høy risiko forbundet å bruke internett privat
- Jeg har fått god informasjon om digitale trusler på jobb
- Jeg har fått god informasjon om digitale trusler privat
- Jeg er engstelig for at min datamaskin eller ID kan kobles opp mot sikkerhetshendelser
- Jeg har ingen problemer med at arbeidsgiver overvåker nettaktiviteter på jobb
- Arbeidsgiver har min fulle tillitt når det kommer til behandling av min personalmappe
- Elektronisk pasientjournal er en trygg måte å behandle pasientdata
- Jeg føler meg trygg i bruken av de elektroniske systemene vi har på jobb

7. Hvor er det viktigst å tenke på informasjonssikkerhet?

- Privat
- På jobben
- Det er like viktig
- Ingen av de er viktig
- Vet ikke

8. Har du opplevd at kolleger har gitt deg tilbakemelding om at det du gjør utgjør en risiko for informasjonssikkerheten?

*Det kan være at du har fått tilbakemelding at du har gått fra en datamaskin uten å låse den etc...*

- Ja
- Nei
- Vet ikke

9. Hvor komfortabel er du med å fortelle en kollega dersom du ser noe som kan utgjøre en informasjonssikkerhetsrisiko?

- Veldig komfortabel
- Litt komfortabel
- Litt ukomfortabel
- Veldig ukomfortabel
- Sier ikke i fra
- Vet ikke

10. I hvilken grad mener du at bruk av følgende aktiviteter utgjør en risiko på jobb?

*I svært liten grad / I ganske liten grad / I ganske stor grad / I svært stor grad / Vet ikke*

- Epost
- Sosiale medier
- Smart Devices (Smarthøytalere, chatbots etc..)
- Minnepinner/bærbare lagringsmedium
- Skytjenester

11. I hvilken grad mener du at bruk av følgende aktiviteter utgjør en risiko hjemme?

*I svært liten grad / I ganske liten grad / I ganske stor grad / I svært stor grad / Vet ikke*

- Epost
- Sosiale medier
- Smart Devices (Smarthøytalere, chatbots etc..)
- Minnepinner/bærbare lagringsmedium
- Skytjenester
- Lånte passord

12. I hvilken grad mener du at følgene trusler utgjør en risiko for informasjonssikkerheten i din jobb?

*Informasjonssikkerheten i jobbsammenheng*

*I svært liten grad / I ganske liten grad / I ganske stor grad / I svært stor grad / Vet ikke*

- Phishing
- Vishing (svindel igjennom telefon eller telefonsvarer)
- Spear-phishing (direktørsvindel)
- Løsepengevirus
- Utpressningsvirus
- Utnyttelse av svakheter i software og hardware
- Komprimert HelseID/Påloggingsinformasjon/BankID
- Angrep på eksterne tjenestetilbydere (eksempel: chatbots etc...)
- Utnyttelse av situasjon i samfunnet (eksempel: Covid-pandemien)
- Angrep på infrastruktur (strøm, vann, internett)

13. I hvilken grad mener du at følgene trusler utgjør en risiko for din egen informasjonssikkerhet?

*Informasjonssikkerheten i privat sammenheng*

*I svært liten grad / I ganske liten grad / I ganske stor grad / I svært stor grad / Vet ikke*

- Phishing
- Vishing (svindel igjennom telefon eller telefonsvarer)

- Spear-phishing (direktørsvindel)
- Løsepengevirus
- Utpressningsvirus
- Utnyttelse av svakheter i software og hardware
- Komprimert HelseID/Påloggingsinformasjon/BankID
- Angrep på eksterne tjenestetilbydere (eksempel: chatbots etc...)
- Utnyttelse av situasjon i samfunnet (eksempel: Covid-pandemien)
- Angrep på infrastruktur (strøm, vann, internett)

### **Del 3 Syn på styring og kontroll på din arbeidsplass**

14. Har du oversikt over reglene og retningslinjene som gjelder informasjonssikkerhet på din avdeling?

*I svært liten grad / I ganske liten grad / I ganske stor grad / I svært stor grad / Vet ikke*

15. I hvilken grad er disse reglene og retningslinjene til hinder for arbeidet ditt?

*I svært liten grad / I ganske liten grad / I ganske stor grad / I svært stor grad / Vet ikke*

16. Ønsker du å utdype på hvilken måte reglene og retningslinjene hindrer arbeidet ditt?

Kom gjerne med generelle eksempler, som at journalføring tar for lang tid etc...

17. I hvilken grad har fokuset på informasjonssikkerhet endret måten du jobber på?

*I svært liten grad / I ganske liten grad / I ganske stor grad / I svært stor grad / Vet ikke*

18. I hvilken grad...

*I svært liten grad / I ganske liten grad / I ganske stor grad / I svært stor grad / Vet ikke*

- kjenner du til prosedyrene ved mistanke om en digital sikkerhetshendelse?
- har din arbeidsgiver gitt klare retningslinjer i forhold til informasjonssikkerhet?
- setter ledelsen krav til deg i forhold til informasjonssikkerhet?
- kjenner du til konsekvensene av brudd på taushetsplikten i forhold til pasientdata?

19. Har det hendt at du bevisst har brutt retningslinjene din arbeidsgiver har pålagt deg i forhold til informasjonssikkerhet?

- Ja
- Nei
- Vet ikke

#### **Del 4 - Adferd**

20. På jobb - hva gjør du?

*Ja, alltid / Ja, som regel / Ja, av og til / Nei, aldri / Vet ikke*

- Undersøker du om en nettside er sikker før du bruker den?
- Undersøker du linker og vedlegg du mottar før du åpner dem?
- Undersøker du avsenderadressen i eposter du mottar?
- Låser du datamaskinen din / logger ut av HelseID din når du forlater enheten?
- Bruker du private enheter tilkoblet jobbnettverket?
- Rapportert en mistenkelig epost som spam/phishing?

21. Hjemme - hva gjør du?

*Ja, alltid / Ja, som regel / Ja, av og til / Nei, aldri / Vet ikke*

- Undersøker du om en nettside er sikker før du bruker den?
- Undersøker du linker og vedlegg du mottar før du åpner dem?
- Undersøker du avsenderadressen i eposter du mottar?
- Låser du datamaskinen din / logger ut av HelseID din når du forlater enheten?
- Bruker du private enheter tilkoblet jobbnettverket?
- Rapportert en mistenkelig epost som spam/phishing?

22. Har du gjort noen av følgende...?

*Ja / Nei / Vet ikke*

- Brukt samme passord hjemme som på jobb?
- Brukt epost for å sende pasientdata internt/eksternt?
- Kopiert pasientdata til ukrypterte enheter?
- Skrevet detaljer om jobben på sosiale medier?

#### **Del 5 - Kunnskap og motivasjon**

23. Hvor har du lært om informasjonssikkerhet?

*Du må velge minst ett svaralternativ.*

- Selvstudie
- Gjennom interne kurs/trening
- Gjennom eksterne kurs/trening
- Informasjon fra arbeidsgiver

24. Har du blitt tilbudt trening eller kurs innen informasjonssikkerhet de siste to årene?

- Ja, har deltatt
- Ja, men har ikke deltatt
- Nei

- Vet ikke

25. Hva mener du hadde vært gode hjelpemidler for å øke oppmerksomheten rundt informasjonssikkerhet?

*E-læringskurs og kjappe beskjeder på intranett er gjerne standard i jobbsammenheng, men finnes det bedre alternativer for å øke oppmerksomheten?*

*Du må velge minst ett svaralternativ.*

- Fagdager med eksperter
- Læring ved hjelp av spill (Gamification)
- Fysiske kurs tilpasset arbeidsområdet
- E-læringskurs tilpasset arbeidsområdet
- Filmer om temaet

26. Jeg ønsker mer kunnskap om

*Du må velge minst ett svaralternativ.*

- hvordan jeg kan ivareta informasjonssikkerheten på jobb
- hvordan jeg kan ivareta informasjonssikkerheten hjemme
- sikker bruk av epost
- hvordan behandle pasientdata på en sikker måte
- hvordan varsle om informasjonssikkerhetshendelser på jobb
- bruk av sky-tjenester
- kurs tilgjengelig

## **Del 6 - Avslutning**

Tusen takk for din deltakelse i denne spørreundersøkelsen.

Dine svar på undersøkelsen er viktige for kartleggelsen av digital bevissthet og sikkerhetskultur blant helsepersonell.

Skulle du ha noen tilbakemelding til skjemaet, noe å tilføye til ditt svar eller har spørsmål angående masteroppgaven, ta gjerne kontakt med meg på epostadresse [weronicn@stud.ntnu.no](mailto:weronicn@stud.ntnu.no) eller skriv det inn i svarfeltet under.

Alle henvendelser i nettskjema er anonyme.

## **Welcome to this survey on Digital Safety Culture in Health Care.**

### **Who made the survey and what is it about?**

My name is Weronica Nilsen, and I am a master's student at NTNU in Gjøvik where I study information security. My master's thesis is about digital awareness and safety culture within health care. Part of it is to map awareness of digital security in a job context and privately. Another section deals with mapping whether the policies and policies imposed on healthcare professionals affect work life.

### **Survey**

The survey consists of 26 questions divided into 5 different categories and the survey itself will take just under 10 minutes to complete.

- Part 1 is background information, whether you're using digital health systems, work affiliation, and whether you've completed information security courses or training.
- Part 2 is about attitudes and risk perception.
- Part 3 is about perception of governance and control.
- Part 4 is about behavior related to the use of the internet at work and at home.
- Part 5 is about where the knowledge of information security comes from and about what methods motivate learning for you.

### **Anonymity and participation**

The survey is completely anonymous, but all the questions are mandatory except for text responses that are completely voluntary to answer. Another important aspect is that since the survey is anonymous, it will be completely impossible to delete your responses after you submit. The submitted response will then be treated as consent for participation. You are completely free to cancel the survey at any time before it is submitted. Then all replies you have delivered will be deleted.

### **Contact**

If you have any questions or comments regarding the task or would like to read the task after it is finished, please contact me by email [veronicn@stud.ntnu.no](mailto:veronicn@stud.ntnu.no). The task will be guided by Vasileios Gkioulos ([vasileios.gkioulos@ntnu.no](mailto:vasileios.gkioulos@ntnu.no)) and Gaute Wangen ([gaute.wangen@ntnu.no](mailto:gaute.wangen@ntnu.no)).

Thank you very much for your help!

**Part 1 - Background information**

1. Do you use electronic patient records or other digital health systems?
  - Yes
  - No

**Part 1 - Background information**

2. Gender
  - Woman
  - Man
  - Non-binary
  - Do not want to respond

3. How old are you?
  - Under 20s
  - 20-29 years
  - 30-39 years
  - 40-49 years
  - 50-59 years
  - 60-69 years
  - 70 - 00:00

4. In which health care do you work?

If you can't find the right health care, add it below another.

- Specialist health service
- Primary health care
- Social services
- Other

5. Have you undergone information safety training?

*Information security training means internal or external activities in the form of strengthening information security under the auspices of the employer/contracting authority.*

- Yes
- No



## Part 2 - Attitudes and risk perceptions to digital security

6. How agree do you agree with the following claims?

*These are your subjective attitudes to digitization and information security.*

*Totally disagree / Partially disagree / Partially agree / Totally enig / Do not know*

- I am positive about new technology in the job context
- I am positive about new technology privately
- There is high risk associated with using the internet at work
- It is high risk associated with using the internet privately
- I've got good information about digital threats at work
- I have received good information about digital threats privately
- I'm anxious that my computer or ID can be connected to security incidents
- I have no problems with my employer monitoring online activities at work
- Employer has my full confidence when it comes to processing my personnel folder
- Electronic patient records are a safe way to process patient data
- I feel safe in the use of the electronic systems we have at work

7. Where is it most important to think about information security?

- Private
- At work
- It's just as important
- None of them are important
- Don't know

8. Have you experienced that colleagues have given you feedback that what you do poses a risk to information security?

*It may be that you have received feedback that you have left a computer without locking it etc...*

- Yes
- No
- Don't know

9. How comfortable are you to tell a colleague if you see something that could pose an information security risk?

- Very comfortable
- A little comfortable
- A little uncomfortable
- Very uncomfortable
- Don't let you know
- Don't know

10. To what extent do you believe that using the following activities poses a risk at work?

*To a very small extent / To a fairly small extent / To a fairly large extent / To a very large extent / Do not know*

- Email
- Social media
- Smart Devices (Smart Speakers, Chatbots, etc.. )
- Flash drives/portable storage media
- Cloud services

11. To what extent do you think that using the following activities poses a risk at home?

*To a very small extent / To a fairly small extent / To a fairly large extent / To a very large extent / Do not know*

- Email
- Social media
- Smart Devices (Smart Speakers, Chatbots, etc.. )
- Flash drives/portable storage media
- Cloud services
- Borrowed password

12. To what extent do you believe that the consequences of threats pose a risk to information security in your job?

*Information security at work*

*To a very small extent / To a fairly small extent / To a fairly large extent / To a very large extent / Do not know*

- Phishing
- Vishing (scam through phone or answering machine)
- Spear phishing (director scam)
- Ransomware
- Blackmail virus
- Exploitation of weaknesses in software and hardware
- Compatible HealthID/Login Information/BankID
- Attacks on external service providers (example: chatbots etc... )
- Exploitation of situation in society (example: Covid-pandemic)
- Attacks on infrastructure (electricity, water, internet)

13. To what extent do you believe that the consequences of threats pose a risk to your own information security?

*Information security in a private context*

*To a very small extent / To a fairly small extent / To a fairly large extent / To a very large extent / Do not know*

- Phishing
- Vishing (scam through phone or answering machine)
- Spear phishing (director scam)
- Ransomware
- Blackmail virus
- Exploitation of weaknesses in software and hardware
- Compatible HealthID/Login Information/BankID
- Attacks on external service providers (example: chatbots etc... )
- Exploitation of situation in society (example: Covid-pandemic)
- Attacks on infrastructure (electricity, water, internet)

### **Part 3 Views on management and control in your workplace**

14. Do you have an overview of the rules and policies that apply to information security in your department?

*To a very small extent / To a fairly small extent / To a fairly large extent / To a very large extent / Do not know*

15. To what extent are these rules and policies hindering your work?

*To a very small extent / To a fairly small extent / To a fairly large extent / To a very large extent / Do not know*

16. Do you want to elaborate on the way the rules and policies hinder your work?

Feel free to provide general examples, such as journaling taking too long etc...

17. To what extent has your focus on information security changed the way you work?

*To a very small extent / To a fairly small extent / To a fairly large extent / To a very large extent / Do not know*

18. To what extent...

*To a very small extent / To a fairly small extent / To a fairly large extent / To a very large extent / Do not know*

- do you know the procedures in case of a digital security incident?
- has your employer given clear guidelines in relation to the security of information?
- does management set requirements for you in relation to information security?
- do you know the consequences of breaches of confidentiality in relation to patient data?

19. Has it happened that you have deliberately violated the policies your employer has imposed on you in relation to information security?

- Yes
- No
- Don't know

#### **Part 4 - Behavior**

20. At work - what are you doing?

*Yes, always / Yes, as a rule / Yes, occasionally / No, never / Do not know*

- Do you check whether a website is secure before using it?
- Do you examine the links and attachments you receive before opening them?
- Do you examine the sender address in emails you receive?
- Do you lock your computer/log out of your Health ID when you leave your device?
- Are you using private devices connected to your work network?
- Reported a suspicious email asspam/phishing?

21. At home - what are you doing?

*Yes, always / Yes, as a rule / Yes, occasionally / No, never / Do not know*

- Do you check whether a website is secure before using it?
- Do you examine the links and attachments you receive before opening them?
- Do you examine the sender address in emails you receive?
- Do you lock your computer/log out of your Health ID when you leave your device?
- Are you using private devices connected to your work network?
- Reported a suspicious email asspam/phishing?

22. Have you done any of the consequences... ?

*Yes / No / Do not know*

- Used the same password at home as at work?
- Used email to send patient data internally/externally?
- Copied patient data to unencrypted devices?
- Written details of the job on social media?

#### **Part 5 - Knowledge and Motivation**

23. Where have you learned about information security?

*You must select at least one answer option.*

- Self-study

- Through internal courses/training
- Through external courses/training
- Information from the employer

24. Have you been offered training or information security courses in the last two years?

- Yes, have participated
- Yes, but have not participated
- No
- Don't know

25. What do you think would be good tools to raise awareness about information security?

*E-learning courses and quick messages on the intranet are often standard in the job context, but are there better options for raising awareness?*

*You must select at least one answer option.*

- Professional days with experts
- Learning using games (Gamification)
- Physical courses adapted to the workspace
- E-learning courses adapted to the workspace
- Movies on the subject

26. I would like more knowledge about

*You must select at least one answer option.*

- how I can ensure information security at work
- how I can ensure information security at home
- secure use of email
- how to safely process patient data
- how to notify about information security incidents at work
- use of cloud services
- courses available

## **Part 6 - Conclusion**

Thank you very much for your participation in this survey.

Your responses to the survey are important for the mapping of digital awareness and safety culture among healthcare professionals.

Should you have any feedback to the form, something to add to your answer or have questions regarding the master thesis, feel free to contact me at the email address [weronicn@stud.ntnu.no](mailto:weronicn@stud.ntnu.no) or enter it in the answer box below.

All inquiries in the online form are anonymous.

**Table B.1:** Measurement Objectives Questionnaire

Q. no	Topic	Targets	Measurement objective	Research Q.
1	Check	EPJ users	Sort out the ones that do not use electronic systems	-
2	Job title	All	Determine the categories	-
3	Job title	All	Other job titles not described in Q.3	-
4	Self-assessment	All	Received training (*ST)/ not received training(*WST)	-
5	Self-assessment	ST/WST	Attitudes towards digitation	3
6	Self-assessment	ST/WST	Determine their focus on information security	4
7	Routines	ST/WST	Feedback/reporting	3
8	Routines	ST/WST	Threshold for reporting	3
9	Risk awareness	ST/WST	Risk awareness work	2/3/4
10	Risk awareness	ST/WST	Risk awareness private	4
11	Threat awareness	ST/WST	Threat awareness work	2/3/4
12	Threat awareness	ST/WST	Threat awareness private	4
13	Policy	ST/WST	Policy awareness	3
14	Policy	ST/WST	Determine if policy complicates work	3
15	Policy	ST/WST	Elaborate what complicates work	3
16	Policy	ST/WST	Change in work habits	3
17	Policy	ST/WST	Policy awareness	3
18	Policy	ST/WST	Regarding of policy	3
19	Behaviour	ST/WST	Behaviour work	3/4
20	Behaviour	ST/WST	Behaviour private	4
21	Behaviour scenario	ST/WST	Creating security issues	3/4
22	Knowledge	ST/WST	Main source of training	3/4
23	Knowledge	ST/WST	Offered Training	1/3
24	Knowledge	ST/WST	Means for learning	3/4
25	Knowledge	ST/WST	Gaining knowledge	1/3/4
26	Feedback	All	Feedback on questionnaire/other	-

## **Appendix C**

### **Information Letter to the Participants of the Interviews**

# Vil du delta i forskningsprosjektet

## «Digital sikkerhetskultur innen helsevesenet»?

Dette er et spørsmål til deg om å delta i et forskningsprosjekt som skal resultere i en masteroppgave hvor formålet er å kartlegge sikkerhetskultur blant helsepersonell med og uten sikkerhetstrening. Forskningsprosjektet vil også forsøke å kartlegge om det er noen forskjeller i hvordan helsepersonell behandler informasjon i jobbsammenheng og privat. I dette skrivet gir vi deg informasjon om målene for prosjektet og hva deltakelse vil innebære for deg.

### Formål

Formålet med denne masteroppgaven er å kartlegge sikkerhetskultur blant helsepersonell, enten de har gjennomgått sikkerhetstrening eller ikke. Det utarbeides en anonym spørreundersøkelse som skal distribueres til helsepersonell ved ulike helseforetak, med spørsmål om deres holdninger og risikooppfatning til informasjonssikkerhet, deres digitale adferd og hvor de har tilegnet seg kunnskap om informasjonssikkerhet

Masteroppgaven består av 4 ulike forskningsspørsmål:

1. Hvilke organiserte alternativer til sikkerhetstrening det finnes og blir disse metodene brukt av utvalgte virksomhetene?
2. Hvordan ser det digitale trusselbildet ut for helsevesenet i dag?
3. Hvordan påvirkes helsepersonell av sikkerhetstreningen i sitt daglige arbeid?
4. Hvordan behandler helsepersonell sin egen informasjon hjemme?

Informasjonen som blir innhentet vil bli behandlet, lagret og brukt kun i tidsrommet som oppgaven skrives, som er estimert vårsemesteret 2021.

### Hvem er ansvarlig for forskningsprosjektet?

Norges teknisk-naturvitenskapelige universitet – NTNU – Institutt for informasjonssikkerhet og kommunikasjonsteknologi er ansvarlig for prosjektet.

### Hvorfor får du spørsmål om å delta?

Masteroppgaven innebærer å innhente informasjon om trusselbildet som spesielt omfatter helsevesenet, og ved å innhente informasjon direkte fra de som jobber med å sikre helsevesenet mot slike trusler, vil informasjonen og resultatet av prosjektet blir mer presis. De som jobber med dette, vil også ha en god kunnskap om hvordan sikkerhetstreningen blir utført og ha kjennskap til hvilke metoder som blir brukt.

### Hva innebærer det for deg å delta?

Din deltakelse i intervjuprosessen vil bidra til å øke forståelsen om trusselbildet norsk helsevesen er utsatt for i dagens samfunn, både for denne masteroppgaven og eventuelle videre arbeid i dette feltet.

Intervjuet vil bestå av 10 spørsmål med noen oppfølgingsspørsmål, anslått at intervjuet vil ta 45min. Spørsmålene vil være at den art ingen sensitiv informasjon vil innhentes, og det vil heller ikke bli spurt spørsmål angående drift eller infrastruktur. Spørsmålene vil i all hovedsak omhandle generelle metoder og rutiner som inngår i begrepet «sikkerhetskultur»

Hvis det du samtykker, vil lyden av intervjuet tas opp og lagres på en sikker måte ved NTNU. Dette samtykke kan når som helst trekkes tilbake.



### **Det er frivillig å delta**

Det er frivillig å delta i prosjektet. Hvis du velger å delta, kan du når som helst trekke samtykket tilbake uten å oppgi noen grunn. Alle dine personopplysninger vil da bli slettet. Det vil ikke ha noen negative konsekvenser for deg hvis du ikke vil delta eller senere velger å trekke deg. Hvis du samtykker til lydopptak kan dette samtykket trekkes tilbake uten at det påvirker ditt bidrag til oppgaven hvis det fremdeles er et ønske om å bidra.

### **Ditt personvern – hvordan vi oppbevarer og bruker dine opplysninger**

Vi vil bare bruke opplysningene om deg til formålene vi har fortalt om i dette skrevet. Vi behandler opplysningene konfidensielt og i samsvar med personvernregelverket.

Informasjonen vil bli lagret og bearbeidet på et kryptert lagringsområde hos NTNU.

Det vil verken bli nevnt navn på deltaker eller virksomhet i oppgaven om det ikke er ønskelig.

### **Hva skjer med opplysningene dine når vi avslutter forskningsprosjektet?**

Opplysningene anonymiseres når prosjektet avsluttes/oppgaven er godkjent, noe som etter planen er innen utgangen av juni 2021. Etter at oppgaven blir godkjent, vil alle lydopptak slettes.

### **Dine rettigheter**

Så lenge du kan identifiseres i datamaterialet, har du rett til:

- innsyn i hvilke personopplysninger som er registrert om deg, og å få utlevert en kopi av opplysningene,
- å få rettet personopplysninger om deg,
- å få slettet personopplysninger om deg, og
- å sende klage til Datatilsynet om behandlingen av dine personopplysninger.

### **Hva gir oss rett til å behandle personopplysninger om deg?**

Vi behandler opplysninger om deg basert på ditt samtykke.

På oppdrag fra NTNU har NSD – Norsk senter for forskningsdata AS vurdert at behandlingen av personopplysninger i dette prosjektet er i samsvar med personvernregelverket.

### **Hvor kan jeg finne ut mer?**

Hvis du har spørsmål til studien, eller ønsker å benytte deg av dine rettigheter, ta kontakt med NTNU – Institutt for informasjonssikkerhet og kommunikasjonsteknologi.

- Veiledere for masteroppgaven:  
Vasileios Gkioulos - [vasileios.gkioulos@ntnu.no](mailto:vasileios.gkioulos@ntnu.no)  
Gaute Wangen – [gaute.wangen@ntnu.no](mailto:gaute.wangen@ntnu.no)
- Studentens navn: Weronica Nilsen – epost [weronien@stud.ntnu.no](mailto:weronien@stud.ntnu.no)
- Vårt personvernombud: Thomas Helgesen – epost [Thomas.helgesen@ntnu.no](mailto:Thomas.helgesen@ntnu.no) eller telefon 93079038

Hvis du har spørsmål knyttet til NSD sin vurdering av prosjektet, kan du ta kontakt med:

- NSD – Norsk senter for forskningsdata AS på epost ([personverntjenester@nsd.no](mailto:personverntjenester@nsd.no)) eller på telefon: 55 58 21 17.

Med vennlig hilsen

*Prosjektansvarlig*  
(Forsker/veileder)

(Student)

---

## Samtykkeerklæring

Jeg har mottatt og forstått informasjon om prosjektet *Digital sikkerhetskultur innen helsevesenet*, og har fått anledning til å stille spørsmål. Jeg samtykker til:

☐ å delta i intervju

Jeg samtykker til at mine opplysninger behandles frem til prosjektet er avsluttet

---

(Signert av prosjektdeltaker, dato)

# **Do you want to participate in the research project**

## **«Digital security culture in health care»?**

This is a question for you to participate in a research project that will result in a master's thesis where the purpose is to map security culture and healthcare professionals with and without cyber security training. The research project will also try to determine whether there are any differences in how healthcare professionals process information in a job context and privately. In this writing, we provide you with information about the goals of the project and what participation will entail for you.

### **Purpose**

The purpose of this master's thesis is to map security culture among healthcare professionals, whether they have undergone security training or not. An anonymous survey is being prepared to distribute to healthcare professional's worth different health trusts, with questions about their attitudes and risk perceptions of information security, their digital behavior and where they have acquired knowledge about information security

The master's thesis consists of 4 different research questions:

1. What organized alternatives to security training are available and are these methods used by selected businesses?
2. What does the digital threat picture look like for health care today?
3. How are healthcare professionals affected by the security training in their daily work?
4. How do healthcare professionals process their own information at home?

The information collected will be processed, stored, and used only during the period in which the assignment is written, which is estimated spring semester 2021.

### **Who is responsible for the research project?**

The Norwegian University of Science and Technology – NTNU – The Department of Information Security and Communication Technology is responsible for the project.

### **Why are you asked to participate?**

The master's thesis involves collecting information about the threat picture that specifically includes health care, and by collecting information directly from those working to secure health care against such threats, the information and results of the project will be more precise. Those working on this will also have a good knowledge of how the security training is carried out and have knowledge of what methods are being used.

### **What does it mean for you to participate?**

Your participation in the interview process will help to increase your understanding of the threat picture the Norwegian health system is exposed to in today's society, both for this master's thesis and any further work in this field.

The interview will consist of 10 questions with some follow-up questions, estimated that the interview will take 45 min. The questions will be that the nature of any sensitive information will be collected, nor will questions be asked regarding operations or infrastructure. The questions will mainly deal with general methods and routines included in the term "security culture".

If you agree, the audio of the interview will be recorded and stored securely by NTNU. This consent can be withdrawn at any time.

### **It is voluntary to participate**

It is voluntary to participate in the project. If you choose to participate, you may withdraw your consent at any time without giving any reason. All your personal information will then be deleted. It will have no negative consequences for you if you do not want to participate or later choose to withdraw. If you agree to audio recordings, this consent may be withdrawn without affecting your contribution to the task if there is still a desire to contribute.

### **Your privacy – how we store and use your information**

We will only use your information for the purposes we have disclosed in this writing. We treat the data confidentially and in accordance with the Privacy Policy.

The information will be stored and processed on an encrypted storage area at NTNU.

There will be no mention of the name of the participant or business in the task if there is no wish.

### **What happens to your information when we finish the research project?**

The information is anonymized when the project is completed/thesis is approved, which is scheduled to be by the end of June 2021. After the task is approved, all audio recordings will be deleted.

### **Your rights**

As long as you can be identified in the data material, you are entitled to:

- information about you, and to provide a copy of the data,
- to have personal data rectified about you,
- to have personal information deleted about you, and
- to lodge a complaint with the Norwegian Data Protection Authority about the processing of your personal data.

### **What gives us the right to process personal data about you?**

We process information about you based on your consent.

On behalf of NTNU, NSD – The Norwegian Centre for Research Data AS has assessed that the processing of personal data in this project is in accordance with the data protection regulations.

### **Where can I find more information?**

If you have any questions about the study, or would like to use your rights, please contact NTNU – Department of Information Security and Communication Technology.

- Supervisors for the master's thesis:  
Vasileios Gkioulos - [vasileios.gkioulos@ntnu.no](mailto:vasileios.gkioulos@ntnu.no)  
Gaute Wangen – [gaute.wangen@ntnu.no](mailto:gaute.wangen@ntnu.no)
- Student's name: Weronica Nilsen – email [weronicon@stud.ntnu.no](mailto:weronicon@stud.ntnu.no)
- Our Data Protection Officer: Thomas Helgesen – email [Thomas.helgesen@ntnu.no](mailto:Thomas.helgesen@ntnu.no) or phone 93079038

If you have any questions related to NSD's assessment of the project, please contact:

- NSD – Norwegian Centre for Research Data AS by e-mail ([personverntjenester@nsd.no](mailto:personverntjenester@nsd.no)) or by phone: +47 55 58 21 17.

Yours sincerely

*Project Manager*

(Researcher/supervisor)

(Student)

---

## Consent Statement

I have received and understood information about the project *Digital security culture in health care* and have been given the opportunity to ask questions. I agree to:

☐ to participate in an interview

I agree that my information is processed until the project is completed

---

(Signed by project participant, date)



## **Appendix D**

### **SPSS Data sheet**

# SPSS data sheet

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## Part 1 - Attitude and risk perception to digital security

### New Technology

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_ja_tech_jobb	Female	198	3.77	.498	.035	3.70	3.84	1	4
	Male	44	3.91	.362	.055	3.80	4.02	2	4
	Total	242	3.80	.478	.031	3.74	3.86	1	4
var_ja_tech_privat	Female	198	3.65	.567	.040	3.57	3.73	1	5
	Male	44	3.95	.211	.032	3.89	4.02	3	4
	Total	242	3.70	.533	.034	3.63	3.77	1	5
var_nei_tech_jobb	Female	108	3.68	.609	.059	3.56	3.79	1	4
	Male	30	3.53	.629	.115	3.30	3.77	2	4
	Total	138	3.64	.614	.052	3.54	3.75	1	4
var_nei_tech_privat	Female	108	3.56	.740	.071	3.42	3.71	1	5
	Male	30	3.57	.626	.114	3.33	3.80	2	4
	Total	138	3.57	.714	.061	3.44	3.69	1	5

Figure 1 Descriptives New Technology

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_ja_tech_jobb	Between Groups	.669	1	.669	2.953	.087
	Within Groups	54.409	240	.227		
	Total	55.079	241			
var_ja_tech_privat	Between Groups	3.417	1	3.417	12.585	.000
	Within Groups	65.162	240	.272		
	Total	68.579	241			
var_nei_tech_jobb	Between Groups	.477	1	.477	1.270	.262
	Within Groups	51.124	136	.376		
	Total	51.601	137			
var_nei_tech_privat	Between Groups	.000	1	.000	.000	.990
	Within Groups	69.913	136	.514		
	Total	69.913	137			

Figure 2 One-Way ANOVA New Technology

		<b>Correlations</b>			
		var_ja_tech_jobb	var_ja_tech_privat	var_nei_tech_jobb	var_nei_tech_privat
var_ja_tech_jobb	Pearson Correlation	1	.576**	. <sup>b</sup>	. <sup>b</sup>
	Sig. (2-tailed)		.000	.	.
	N	242	242	0	0
var_ja_tech_privat	Pearson Correlation	.576**	1	. <sup>b</sup>	. <sup>b</sup>
	Sig. (2-tailed)	.000		.	.
	N	242	242	0	0
var_nei_tech_jobb	Pearson Correlation	. <sup>b</sup>	. <sup>b</sup>	1	.711**
	Sig. (2-tailed)	.	.		.000
	N	0	0	138	138
var_nei_tech_privat	Pearson Correlation	. <sup>b</sup>	. <sup>b</sup>	.711**	1
	Sig. (2-tailed)	.	.	.000	
	N	0	0	138	138

\*\* . Correlation is significant at the 0.01 level (2-tailed).

b. Cannot be computed because at least one of the variables is constant.

*Figure 3 Correlations New Technology*

## Risks and Threats

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
var_nei_risiko_jobb	Female	108	2.64	1.072	.103	2.43	2.84	1	5
	Male	30	2.27	.691	.126	2.01	2.52	1	3
	Total	138	2.56	1.011	.086	2.39	2.73	1	5
var_nei_risiko_privat	Female	108	2.59	.996	.096	2.40	2.78	1	5
	Male	30	2.57	.858	.157	2.25	2.89	1	4
	Total	138	2.59	.965	.082	2.42	2.75	1	5
var_nei_trusler_jobb	Female	108	2.02	1.032	.099	1.82	2.22	1	5
	Male	30	2.10	.923	.168	1.76	2.44	1	4
	Total	138	2.04	1.007	.086	1.87	2.21	1	5
var_nei_trusler_privat	Female	108	2.57	.978	.094	2.39	2.76	1	4
	Male	30	2.97	.809	.148	2.66	3.27	1	4
	Total	138	2.66	.955	.081	2.50	2.82	1	4
var_ja_risiko_jobb	Female	198	2.73	.899	.064	2.60	2.85	1	5
	Male	44	2.32	.740	.112	2.09	2.54	1	4
	Total	242	2.65	.885	.057	2.54	2.76	1	5
var_ja_risiko_privat	Female	198	2.83	.848	.060	2.71	2.95	1	5
	Male	44	2.43	.789	.119	2.19	2.67	1	4
	Total	242	2.76	.850	.055	2.65	2.87	1	5
var_ja_trusler_jobb	Female	198	2.98	1.042	.074	2.83	3.13	1	4
	Male	44	2.93	.846	.128	2.67	3.19	1	4
	Total	242	2.97	1.008	.065	2.84	3.10	1	4
var_ja_trusler_privat	Female	198	3.07	.873	.062	2.94	3.19	1	4
	Male	44	3.09	.858	.129	2.83	3.35	1	4
	Total	242	3.07	.869	.056	2.96	3.18	1	4

Figure 4 Descriptives Risk&Threats

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
var_nei_risiko_jobb	Between Groups	3.253	1	3.253	3.234	.074
	Within Groups	136.783	136	1.006		
	Total	140.036	137			
var_nei_risiko_privat	Between Groups	.016	1	.016	.017	.897
	Within Groups	127.441	136	.937		
	Total	127.457	137			
var_nei_trusler_jobb	Between Groups	.156	1	.156	.153	.696
	Within Groups	138.663	136	1.020		
	Total	138.819	137			
var_nei_trusler_privat	Between Groups	3.619	1	3.619	4.055	.046
	Within Groups	121.374	136	.892		
	Total	124.993	137			
var_ja_risiko_jobb	Between Groups	6.025	1	6.025	7.909	.005
	Within Groups	182.818	240	.762		
	Total	188.843	241			
var_ja_risiko_privat	Between Groups	5.804	1	5.804	8.276	.004
	Within Groups	168.295	240	.701		
	Total	174.099	241			
var_ja_trusler_jobb	Between Groups	.083	1	.083	.081	.776
	Within Groups	244.715	240	1.020		
	Total	244.798	241			
var_ja_trusler_privat	Between Groups	.023	1	.023	.030	.862
	Within Groups	181.783	240	.757		
	Total	181.806	241			

Figure 5 One-Way ANOVA Risk&Threats

### Correlations

	var_ja_risiko_jobb	var_ja_risiko_privat	var_ja_truster_jobb	var_ja_truster_privat	var_nei_risiko_jobb	var_nei_risiko_privat	var_nei_truster_jobb	var_nei_truster_privat
var_ja_risiko_jobb	1	.694**	-.021	.059	b	b	b	b
Pearson Correlation								
Sig. (2-tailed)		.000	.750	.362	.	.	.	.
N	242	242	242	242	0	0	0	0
var_ja_risiko_privat	.694**	1	-.071	-.011	b	b	b	b
Pearson Correlation								
Sig. (2-tailed)	.000		.271	.867	.	.	.	.
N	242	242	242	242	0	0	0	0
var_ja_truster_jobb	-.021	-.071	1	.491**	b	b	b	b
Pearson Correlation								
Sig. (2-tailed)	.750	.271		.000	.	.	.	.
N	242	242	242	242	0	0	0	0
var_ja_truster_privat	.059	-.011	.491**	1	b	b	b	b
Pearson Correlation								
Sig. (2-tailed)	.362	.867	.000		.	.	.	.
N	242	242	242	242	0	0	0	0
var_nei_risiko_jobb	b	b	b	b	1	.695**	-.178*	-.127
Pearson Correlation								
Sig. (2-tailed)	.	.	.	.	.	.000	.037	.138
N	0	0	0	0	138	138	138	138
var_nei_risiko_privat	b	b	b	b	.695**	1	-.037	.005
Pearson Correlation								
Sig. (2-tailed)	.	.	.	.	.000		.666	.957
N	0	0	0	0	138	138	138	138
var_nei_truster_jobb	b	b	b	b	-.178*	-.037	1	.453**
Pearson Correlation								
Sig. (2-tailed)	.	.	.	.	.037	.666		.000
N	0	0	0	0	138	138	138	138
var_nei_truster_privat	b	b	b	b	-.127	.005	.453**	1
Pearson Correlation								
Sig. (2-tailed)	.	.	.	.	.138	.957	.000	
N	0	0	0	0	138	138	138	138

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).

b. Cannot be computed because at least one of the variables is constant.

Figure 6 Correlation risk&threats

## At work

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
var_ja_engstelig	Female	198	2.60	1.060	.075	2.45	2.75	1	5
	Male	44	2.14	.878	.132	1.87	2.40	1	4
	Total	242	2.52	1.044	.067	2.38	2.65	1	5
var_ja_overvaakingning	Female	198	3.38	.892	.063	3.26	3.51	1	5
	Male	44	2.93	1.087	.164	2.60	3.26	1	4
	Total	242	3.30	.944	.061	3.18	3.42	1	5
var_ja_tilitt	Female	198	3.48	.779	.055	3.38	3.59	1	5
	Male	44	3.32	.829	.125	3.07	3.57	1	4
	Total	242	3.45	.789	.051	3.35	3.55	1	5
var_ja_epj_trygg	Female	198	3.61	.687	.049	3.51	3.71	1	5
	Male	44	3.59	.622	.094	3.40	3.78	2	5
	Total	242	3.61	.675	.043	3.52	3.69	1	5
var_ja_trygg_bruk	Female	198	3.66	.580	.041	3.58	3.74	1	5
	Male	44	3.59	.622	.094	3.40	3.78	2	4
	Total	242	3.65	.587	.038	3.57	3.72	1	5

Figure 7 Descriptives At work – with training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_ja_engstelig	Between Groups	7.772	1	7.772	7.325	.007
	Within Groups	254.662	240	1.061		
	Total	262.434	241			
var_ja_overvaaking	Between Groups	7.356	1	7.356	8.503	.004
	Within Groups	207.624	240	.865		
	Total	214.979	241			
var_ja_tilitt	Between Groups	1.000	1	1.000	1.611	.206
	Within Groups	149.000	240	.621		
	Total	150.000	241			
var_ja_epj_trygg	Between Groups	.015	1	.015	.032	.858
	Within Groups	109.692	240	.457		
	Total	109.707	241			
var_ja_trygg_bruk	Between Groups	.180	1	.180	.521	.471
	Within Groups	82.965	240	.346		
	Total	83.145	241			

Figure 8 One-Way ANOVA at work - with training



Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_nei_engstelig	Female	108	2.72	1.296	.125	2.48	2.97	1	5
	Male	30	2.40	.932	.170	2.05	2.75	1	4
	Total	138	2.65	1.230	.105	2.45	2.86	1	5
var_nei_overvaakning	Female	108	3.03	1.131	.109	2.81	3.24	1	5
	Male	30	2.57	1.135	.207	2.14	2.99	1	4
	Total	138	2.93	1.144	.097	2.73	3.12	1	5
var_nei_tillit	Female	108	3.37	.923	.089	3.19	3.55	1	5
	Male	30	3.07	1.081	.197	2.66	3.47	1	5
	Total	138	3.30	.964	.082	3.14	3.47	1	5
var_nei_epj_trygg	Female	108	3.52	.704	.068	3.38	3.65	1	5
	Male	30	3.50	.731	.133	3.23	3.77	2	5
	Total	138	3.51	.707	.060	3.40	3.63	1	5
var_nei_trygg_bruk	Female	108	3.57	.644	.062	3.45	3.70	1	5
	Male	30	3.40	.770	.141	3.11	3.69	1	4
	Total	138	3.54	.674	.057	3.42	3.65	1	5

Figure 9 Descriptives at work- no training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_engstelig	Between Groups	2.438	1	2.438	1.618	.206
	Within Groups	204.867	136	1.506		
	Total	207.304	137			
var_nei_overvaakning	Between Groups	4.992	1	4.992	3.895	.050
	Within Groups	174.283	136	1.281		
	Total	179.275	137			
var_nei_tillit	Between Groups	2.166	1	2.166	2.355	.127
	Within Groups	125.052	136	.919		
	Total	127.217	137			
var_nei_epj_trygg	Between Groups	.008	1	.008	.016	.900
	Within Groups	68.463	136	.503		
	Total	68.471	137			
var_nei_trygg_bruk	Between Groups	.711	1	.711	1.571	.212
	Within Groups	61.607	136	.453		
	Total	62.319	137			

Figure 10 One-Way ANOVA at work - no training



Where is infosec most important?

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_ja_hvor	Female	198	2.68	.510	.036	2.61	2.75	1	3
	Male	44	2.70	.553	.083	2.54	2.87	1	3
	Total	242	2.68	.517	.033	2.62	2.75	1	3
var_nei_hvor	Female	108	2.78	.439	.042	2.69	2.86	1	3
	Male	30	2.67	.606	.111	2.44	2.89	1	3
	Total	138	2.75	.480	.041	2.67	2.83	1	3

Figure 12 Descriptives most important

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_ja_hvor	Between Groups	.028	1	.028	.103	.748
	Within Groups	64.472	240	.269		
	Total	64.500	241			
var_nei_hvor	Between Groups	.290	1	.290	1.258	.264
	Within Groups	31.333	136	.230		
	Total	31.623	137			

Figure 13 One-Way ANOVA most important

Feedback

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_nei_tilbakemelding	Female	108	1.98	.273	.026	1.93	2.03	1	3
	Male	30	1.97	.183	.033	1.90	2.03	1	2
	Total	138	1.98	.255	.022	1.94	2.02	1	3
var_ja_tilbakemeld	Female	198	1.90	.302	.021	1.86	1.94	1	2
	Male	44	1.84	.370	.056	1.73	1.95	1	2
	Total	242	1.89	.315	.020	1.85	1.93	1	2

Figure 14 Description feedback from colleagues

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_tilbakemelding	Between Groups	.005	1	.005	.078	.780
	Within Groups	8.930	136	.066		
	Total	8.935	137			
var_ja_tilbakemeld	Between Groups	.121	1	.121	1.221	.270
	Within Groups	23.866	240	.099		
	Total	23.988	241			

Figure 15 One-Way ANOVA feedback from colleagues

Descriptives								
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		
						Lower Bound	Upper Bound	
var_nei_gibeskjed	Female	108	2.30	1.355	.130	2.04	2.55	1
	Male	30	1.93	.868	.159	1.61	2.26	4
	Total	138	2.22	1.271	.108	2.00	2.43	6
var_ja_gibeskjed	Female	198	1.94	1.040	.074	1.79	2.09	1
	Male	44	1.77	1.031	.155	1.46	2.09	6
	Total	242	1.91	1.039	.067	1.78	2.04	6

Figure 16 Descriptives comfort level

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_gibeskjed	Between Groups	3.093	1	3.093	1.926	.167
	Within Groups	218.385	136	1.606		
	Total	221.478	137			
var_ja_gibeskjed	Between Groups	1.000	1	1.000	.927	.337
	Within Groups	259.000	240	1.079		
	Total	260.000	241			

Figure 17 One-Way ANOVA comfort level

		<b>Correlations</b>			
		var_ja_tilbakemeld	var_ja_gibeskjed	var_nei_tilbakemelding	var_nei_gibeskjed
var_ja_tilbakemeld	Pearson Correlation	1	.096	. <sup>a</sup>	. <sup>a</sup>
	Sig. (2-tailed)		.138	.	.
	N	242	242	0	0
var_ja_gibeskjed	Pearson Correlation	.096	1	. <sup>a</sup>	. <sup>a</sup>
	Sig. (2-tailed)	.138		.	.
	N	242	242	0	0
var_nei_tilbakemelding	Pearson Correlation	. <sup>a</sup>	. <sup>a</sup>	1	.105
	Sig. (2-tailed)	.	.		.222
	N	0	0	138	138
var_nei_gibeskjed	Pearson Correlation	. <sup>a</sup>	. <sup>a</sup>	.105	1
	Sig. (2-tailed)	.	.	.222	
	N	0	0	138	138

a. Cannot be computed because at least one of the variables is constant.

Figure 18 Correlations feedback

## Online activities and consequences - Risk

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_ja_jobb_epost	Female	198	2.41	.872	.062	2.29	2.53	1	5
	Male	44	2.43	.846	.128	2.17	2.69	1	4
	Total	242	2.41	.866	.056	2.30	2.52	1	5
var_ja_jobb_some	Female	198	3.05	1.105	.079	2.89	3.20	1	5
	Male	44	2.84	.939	.142	2.56	3.13	1	5
	Total	242	3.01	1.078	.069	2.87	3.14	1	5
var_ja_jobb_smart	Female	198	3.20	1.517	.108	2.98	3.41	1	5
	Male	44	2.93	1.388	.209	2.51	3.35	1	5
	Total	242	3.15	1.495	.096	2.96	3.34	1	5
var_ja_jobb_lagring	Female	198	2.89	1.227	.087	2.72	3.07	1	5
	Male	44	2.86	.905	.136	2.59	3.14	1	5
	Total	242	2.89	1.174	.075	2.74	3.04	1	5
var_ja_jobb_sky	Female	198	3.17	1.332	.095	2.98	3.35	1	5
	Male	44	2.89	1.017	.153	2.58	3.20	1	5
	Total	242	3.12	1.283	.082	2.95	3.28	1	5
var_ja_jobb_passord	Female	198	3.55	.980	.070	3.41	3.68	1	5
	Male	44	3.68	.800	.121	3.44	3.93	2	5
	Total	242	3.57	.950	.061	3.45	3.69	1	5

Figure 19 Descriptives Risk work - with training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_ja_jobb_epost	Between Groups	.019	1	.019	.025	.875
	Within Groups	180.659	240	.753		
	Total	180.678	241			
var_ja_jobb_some	Between Groups	1.506	1	1.506	1.298	.256
	Within Groups	278.477	240	1.160		
	Total	279.983	241			
var_ja_jobb_smart	Between Groups	2.531	1	2.531	1.133	.288
	Within Groups	536.114	240	2.234		
	Total	538.645	241			
var_ja_jobb_lagring	Between Groups	.033	1	.033	.024	.877
	Within Groups	331.955	240	1.383		
	Total	331.988	241			
var_ja_jobb_sky	Between Groups	2.829	1	2.829	1.723	.191
	Within Groups	393.932	240	1.641		
	Total	396.760	241			
var_ja_jobb_passord	Between Groups	.669	1	.669	.742	.390
	Within Groups	216.636	240	.903		
	Total	217.306	241			

Figure 20n One-Way ANOVA Risk work - with training

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_ja_privat_epost	Female	198	2.45	.875	.062	2.33	2.57	1	5
	Male	44	2.23	.937	.141	1.94	2.51	1	4
	Total	242	2.41	.889	.057	2.30	2.52	1	5
var_ja_privat_some	Female	198	2.80	.912	.065	2.67	2.93	1	5
	Male	44	2.57	.974	.147	2.27	2.86	1	4
	Total	242	2.76	.926	.060	2.64	2.87	1	5
var_ja_privat_smart	Female	198	3.08	1.492	.106	2.87	3.29	1	5
	Male	44	2.68	1.290	.194	2.29	3.07	1	5
	Total	242	3.01	1.463	.094	2.82	3.19	1	5
var_ja_privat_lagring	Female	198	2.47	1.237	.088	2.30	2.64	1	5
	Male	44	2.11	.841	.127	1.86	2.37	1	4
	Total	242	2.40	1.181	.076	2.26	2.55	1	5
var_ja_privat_sky	Female	198	2.82	1.281	.091	2.64	3.00	1	5
	Male	44	2.66	1.055	.159	2.34	2.98	1	5
	Total	242	2.79	1.243	.080	2.63	2.95	1	5
var_ja_privat_passord	Female	198	3.34	1.095	.078	3.18	3.49	1	5
	Male	44	3.16	1.119	.169	2.82	3.50	1	5
	Total	242	3.31	1.100	.071	3.17	3.45	1	5

Figure 21 Descriptives Risk home - with training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_ja_privat_epost	Between Groups	1.778	1	1.778	2.261	.134
	Within Groups	188.722	240	.786		
	Total	190.500	241			
var_ja_privat_some	Between Groups	1.901	1	1.901	2.229	.137
	Within Groups	204.715	240	.853		
	Total	206.616	241			
var_ja_privat_smart	Between Groups	5.731	1	5.731	2.696	.102
	Within Groups	510.253	240	2.126		
	Total	515.983	241			
var_ja_privat_lagring	Between Groups	4.564	1	4.564	3.302	.070
	Within Groups	331.750	240	1.382		
	Total	336.314	241			
var_ja_privat_sky	Between Groups	.911	1	.911	.589	.444
	Within Groups	371.341	240	1.547		
	Total	372.252	241			
var_ja_privat_passord	Between Groups	1.157	1	1.157	.957	.329
	Within Groups	290.215	240	1.209		
	Total	291.372	241			

Figure 22 One-Way ANOVA Risk home - with training

### Correlations

	var_ja_jobb_epost	var_ja_jobb_some	var_ja_jobb_smart	var_ja_jobb_laging	var_ja_jobb_sky	var_ja_jobb_passord	var_ja_privat_epost	var_ja_privat_some	var_ja_privat_smart	var_ja_privat_laging	var_ja_privat_sky	var_ja_privat_passord
var_ja_jobb_epost	Pearson Correlation Sig. (2-tailed) N	1 .000 242	.119 .065 242	.221** .001 242	.136* .034 242	.081 .159 242	.507** .000 242	.302** .000 242	.099 .125 242	.181** .005 242	.201** .002 242	.080 .213 242
var_ja_jobb_some	Pearson Correlation Sig. (2-tailed) N	.312** .000 242	.349** .000 242	.378** .000 242	.350** .000 242	.340** .000 242	.256** .000 242	.360** .000 242	.239** .000 242	.186** .004 242	.187** .003 242	.246** .000 242
var_ja_jobb_smart	Pearson Correlation Sig. (2-tailed) N	.119 .065 242	.349** .000 242	.395** .000 242	.437** .000 242	.156* .015 242	.148* .022 242	.208** .001 242	.625** .000 242	.268** .000 242	.312** .000 242	.139* .031 242
var_ja_jobb_laging	Pearson Correlation Sig. (2-tailed) N	.221** .001 242	.378** .000 242	.395** .000 242	.491** .000 242	.288** .000 242	.167** .009 242	.181** .005 242	.232** .000 242	.431** .000 242	.291** .000 242	.191** .003 242
var_ja_jobb_sky	Pearson Correlation Sig. (2-tailed) N	.136* .034 242	.437** .000 242	.491** .000 242	.218** .001 242	.218** .001 242	.177** .006 242	.268** .000 242	.364** .000 242	.288** .000 242	.434** .000 242	.160* .013 242
var_ja_jobb_passord	Pearson Correlation Sig. (2-tailed) N	.081 .159 242	.156* .015 242	.288** .001 242	.218** .001 242	.080 .355 242	.606** .000 242	.387** .000 242	.341** .000 242	.387** .000 242	.388** .000 242	.241** .000 242
var_ja_privat_epost	Pearson Correlation Sig. (2-tailed) N	.507** .000 242	.148* .022 242	.167** .009 242	.177** .006 242	.037 .566 242	1 .000 242	.606** .000 242	.262** .000 242	.411** .000 242	.270** .000 242	.164* .010 242
var_ja_privat_some	Pearson Correlation Sig. (2-tailed) N	.302** .000 242	.208** .001 242	.181** .005 242	.268** .000 242	.080 .355 242	.606** .000 242	1 .000 242	.341** .000 242	.387** .000 242	.388** .000 242	.241** .000 242
var_ja_privat_smart	Pearson Correlation Sig. (2-tailed) N	.099 .125 242	.625** .000 242	.232** .000 242	.364** .000 242	.050 .436 242	.262** .000 242	.341** .000 242	1 .000 242	.380** .000 242	.380** .000 242	.063 .330 242
var_ja_privat_laging	Pearson Correlation Sig. (2-tailed) N	.181** .005 242	.268** .000 242	.431** .000 242	.288** .000 242	.111 .084 242	.411** .000 242	.387** .000 242	.380** .000 242	1 .000 242	.400** .000 242	.265** .000 242
var_ja_privat_sky	Pearson Correlation Sig. (2-tailed) N	.201** .002 242	.312** .003 242	.291** .000 242	.434** .000 242	.007 .910 242	.270** .000 242	.388** .000 242	.380** .000 242	.400** .000 242	1 .150 242	.093 .242 242
var_ja_privat_passord	Pearson Correlation Sig. (2-tailed) N	.080 .213 242	.139* .031 242	.191** .003 242	.160* .013 242	.607** .000 242	.164* .010 242	.241** .000 242	.063 .330 242	.265** .000 242	.093 .150 242	1 .242 242

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

Figure 23Correlation Risk - with training



Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_nei_jobbb_epost	Female	108	2.31	1.072	.103	2.10	2.51	1	5
	Male	30	2.33	.661	.121	2.09	2.58	1	3
	Total	138	2.31	.995	.085	2.14	2.48	1	5
var_nei_jobbb_some	Female	108	2.80	1.092	.105	2.59	3.00	1	5
	Male	30	2.67	.922	.168	2.32	3.01	1	5
	Total	138	2.77	1.055	.090	2.59	2.95	1	5
var_nei_jobbb_smart	Female	108	3.40	1.540	.148	3.10	3.69	1	5
	Male	30	2.73	1.202	.219	2.28	3.18	1	5
	Total	138	3.25	1.495	.127	3.00	3.51	1	5
var_nei_jobbb_lagring	Female	108	2.81	1.341	.129	2.56	3.07	1	5
	Male	30	2.80	1.031	.188	2.42	3.18	1	5
	Total	138	2.81	1.276	.109	2.60	3.03	1	5
var_nei_jobbb_sky	Female	108	3.14	1.488	.143	2.86	3.42	1	5
	Male	30	2.73	1.230	.225	2.27	3.19	1	5
	Total	138	3.05	1.441	.123	2.81	3.29	1	5
var_nei_jobbb_passord	Female	108	3.34	1.153	.111	3.12	3.56	1	5
	Male	30	3.60	.675	.123	3.35	3.85	2	5
	Total	138	3.40	1.071	.091	3.22	3.58	1	5

Figure 24 Descriptive Risk Work - no training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_jobbb_epost	Between Groups	.018	1	.018	.018	.893
	Within Groups	135.583	136	.997		
	Total	135.601	137			
var_nei_jobbb_some	Between Groups	.395	1	.395	.353	.554
	Within Groups	152.185	136	1.119		
	Total	152.580	137			
var_nei_jobbb_smart	Between Groups	10.377	1	10.377	4.772	.031
	Within Groups	295.746	136	2.175		
	Total	306.123	137			
var_nei_jobbb_lagring	Between Groups	.005	1	.005	.003	.955
	Within Groups	223.096	136	1.640		
	Total	223.101	137			
var_nei_jobbb_sky	Between Groups	3.862	1	3.862	1.870	.174
	Within Groups	280.783	136	2.065		
	Total	284.645	137			
var_nei_jobbb_passord	Between Groups	1.556	1	1.556	1.360	.246
	Within Groups	155.524	136	1.144		
	Total	157.080	137			

Figure 25 One-Way ANOVA Risk work - No training

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
var_nei_privat_epost	Female	108	2.35	.950	.091	2.17	2.53	1	5
	Male	30	2.50	1.009	.184	2.12	2.88	1	4
	Total	138	2.38	.961	.082	2.22	2.55	1	5
var_nei_privat_some	Female	108	2.65	.998	.096	2.46	2.84	1	5
	Male	30	2.63	1.033	.189	2.25	3.02	1	5
	Total	138	2.64	1.002	.085	2.48	2.81	1	5
var_nei_privat_smart	Female	108	3.19	1.480	.142	2.90	3.47	1	5
	Male	30	2.47	1.008	.184	2.09	2.84	1	5
	Total	138	3.03	1.419	.121	2.79	3.27	1	5
var_nei_privat_lagring	Female	108	2.51	1.398	.134	2.24	2.78	1	5
	Male	30	2.13	.973	.178	1.77	2.50	1	5
	Total	138	2.43	1.323	.113	2.20	2.65	1	5
var_nei_privat_sky	Female	108	2.90	1.394	.134	2.63	3.16	1	5
	Male	30	2.33	.922	.168	1.99	2.68	1	5
	Total	138	2.78	1.324	.113	2.55	3.00	1	5
var_nei_privat_passord	Female	108	3.15	1.281	.123	2.90	3.39	1	5
	Male	30	3.37	1.159	.212	2.93	3.80	1	5
	Total	138	3.20	1.255	.107	2.98	3.41	1	5

Figure 26 Descriptives Risk home - no training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_privat_epost	Between Groups	.515	1	.515	.556	.457
	Within Groups	126.130	136	.927		
	Total	126.645	137			
var_nei_privat_some	Between Groups	.005	1	.005	.005	.943
	Within Groups	137.596	136	1.012		
	Total	137.601	137			
var_nei_privat_smart	Between Groups	12.121	1	12.121	6.250	.014
	Within Groups	263.763	136	1.939		
	Total	275.884	137			
var_nei_privat_lagring	Between Groups	3.318	1	3.318	1.908	.169
	Within Groups	236.457	136	1.739		
	Total	239.775	137			
var_nei_privat_sky	Between Groups	7.490	1	7.490	4.380	.038
	Within Groups	232.546	136	1.710		
	Total	240.036	137			
var_nei_privat_passord	Between Groups	1.121	1	1.121	.710	.401
	Within Groups	214.596	136	1.578		
	Total	215.717	137			

Figure 27 One-Way ANOVA Risk home - no training

### Correlations

	var_nei_jobb_epost	var_nei_jobb_some	var_nei_jobb_smart	var_nei_jobb_lagring	var_nei_jobb_sky	var_nei_jobb_passord	var_nei_privat_epost	var_nei_privat_some	var_nei_privat_smart	var_nei_privat_lagring	var_nei_privat_sky	var_nei_privat_passord	
var_nei_jobb_epost	Pearson Correlation	1	.410**	.148	.271**	.182**	.177**	.477**	.287**	.045	.209*	.142	.074
	Sig. (2-tailed)		.000	.084	.001	.032	.038	.000	.001	.598	.014	.096	.391
N		138	138	138	138	138	138	138	138	138	138	138	138
var_nei_jobb_some	Pearson Correlation	.410**	1	.463**	.309**	.368**	.315**	.319**	.356**	.365**	.192**	.234**	.183**
	Sig. (2-tailed)		.000	.000	.000	.000	.000	.000	.000	.000	.024	.006	.031
N		138	138	138	138	138	138	138	138	138	138	138	138
var_nei_jobb_smart	Pearson Correlation	.148	.463**	1	.465**	.448**	.260**	.257**	.290**	.318**	.435**	.195**	
	Sig. (2-tailed)		.000	.000	.000	.000	.002	.002	.001	.000	.000	.022	
N		084	138	138	138	138	138	138	138	138	138	138	
var_nei_jobb_lagring	Pearson Correlation	.271**	.309**	.465**	1	.501**	.290**	.327**	.290**	.398**	.584**	.385**	.187**
	Sig. (2-tailed)		.001	.000	.000	.000	.001	.000	.001	.000	.000	.000	.028
N		138	138	138	138	138	138	138	138	138	138	138	138
var_nei_jobb_sky	Pearson Correlation	.182**	.368**	.448**	.501**	1	.237**	.244**	.275**	.392**	.325**	.668**	.136
	Sig. (2-tailed)		.000	.000	.000	.000	.005	.004	.001	.000	.000	.000	.112
N		032	138	138	138	138	138	138	138	138	138	138	138
var_nei_jobb_passord	Pearson Correlation	.177**	.315**	.260**	.290**	.237**	1	.240**	.187**	.117	.193**	.458**	
	Sig. (2-tailed)		.000	.002	.001	.005	.005	.005	.028	.171	.023	.033	.000
N		138	138	138	138	138	138	138	138	138	138	138	138
var_nei_privat_epost	Pearson Correlation	.477**	.319**	.257**	.327**	.244**	.240**	1	.643**	.275**	.300**	.286**	.264**
	Sig. (2-tailed)		.000	.002	.000	.004	.005	.000	.000	.001	.000	.001	.002
N		138	138	138	138	138	138	138	138	138	138	138	138
var_nei_privat_some	Pearson Correlation	.287**	.356**	.290**	.290**	.275**	.187**	.643**	1	.454**	.396**	.468**	.352**
	Sig. (2-tailed)		.001	.001	.001	.001	.028	.000	.000	.000	.000	.000	.000
N		138	138	138	138	138	138	138	138	138	138	138	138
var_nei_privat_smart	Pearson Correlation	.045	.365**	.716**	.398**	.392**	.117	.275**	.454**	1	.495**	.563**	.230**
	Sig. (2-tailed)		.000	.000	.000	.000	.171	.001	.000	.000	.000	.000	.007
N		598	138	138	138	138	138	138	138	138	138	138	138
var_nei_privat_lagring	Pearson Correlation	.209*	.192*	.318**	.584**	.325**	.193**	.300**	.396**	.495**	1	.614**	.363**
	Sig. (2-tailed)		.014	.024	.000	.000	.023	.000	.000	.000	.000	.000	.000
N		138	138	138	138	138	138	138	138	138	138	138	138
var_nei_privat_sky	Pearson Correlation	.142	.234**	.435**	.385**	.668**	.182*	.286**	.468**	.563**	.614**	1	.361**
	Sig. (2-tailed)		.096	.006	.000	.000	.033	.001	.000	.000	.000	.000	.000
N		138	138	138	138	138	138	138	138	138	138	138	138
var_nei_privat_passord	Pearson Correlation	.074	.183*	.195*	.187*	.136	.458**	.264**	.352**	.230**	.363**	.361**	1
	Sig. (2-tailed)		.391	.031	.022	.028	.000	.002	.000	.007	.000	.000	.000
N		138	138	138	138	138	138	138	138	138	138	138	138

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

Figure 28 Correlation Risk - no training

## Online activities and consequences – Threats

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
var_ja_jobb_phishing	Female	103	2.44	.925	.091	2.26	2.62	1	4
	Male	37	2.62	.924	.152	2.31	2.93	1	4
	Total	140	2.49	.925	.078	2.33	2.64	1	4
var_ja_jobb_vishing	Female	155	1.94	.902	.072	1.79	2.08	1	4
	Male	41	1.93	.905	.141	1.64	2.21	1	4
	Total	196	1.93	.901	.064	1.81	2.06	1	4
var_ja_jobb_spearphising	Female	103	2.02	.960	.095	1.83	2.21	1	4
	Male	32	1.91	.963	.170	1.56	2.25	1	4
	Total	135	1.99	.958	.082	1.83	2.16	1	4
var_ja_jobb_losepenge	Female	136	1.96	.969	.083	1.80	2.13	1	4
	Male	42	2.21	1.048	.162	1.89	2.54	1	4
	Total	178	2.02	.991	.074	1.88	2.17	1	4
var_ja_jobb_utpressing	Female	140	1.96	.992	.084	1.80	2.13	1	4
	Male	42	2.19	.969	.149	1.89	2.49	1	4
	Total	182	2.02	.989	.073	1.87	2.16	1	4
var_ja_jobb_exploit	Female	136	2.68	.942	.081	2.52	2.84	1	4
	Male	41	2.54	.977	.153	2.23	2.85	1	4
	Total	177	2.64	.949	.071	2.50	2.78	1	4
var_ja_jobb_ID	Female	151	2.28	1.014	.083	2.12	2.44	1	4
	Male	43	2.12	.823	.125	1.86	2.37	1	4
	Total	194	2.24	.975	.070	2.10	2.38	1	4
var_ja_jobb_supplychain	Female	103	2.31	.919	.091	2.13	2.49	1	4
	Male	37	2.30	.812	.133	2.03	2.57	1	4
	Total	140	2.31	.889	.075	2.16	2.46	1	4
var_ja_jobb_samfunn	Female	141	2.77	.867	.073	2.62	2.91	1	4
	Male	40	2.25	.840	.133	1.98	2.52	1	4
	Total	181	2.65	.885	.066	2.52	2.78	1	4
var_ja_jobb_infrastruktur	Female	154	2.53	1.049	.085	2.36	2.69	1	4
	Male	41	2.34	.855	.133	2.07	2.61	1	4
	Total	195	2.49	1.012	.072	2.34	2.63	1	4

Figure 29 Descriptives Threat work - with training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_ja_jobb_phishing	Between Groups	.929	1	.929	1.086	.299
	Within Groups	118.043	138	.855		
	Total	118.971	139			
var_ja_jobb_vishing	Between Groups	.002	1	.002	.003	.957
	Within Groups	158.135	194	.815		
	Total	158.138	195			
var_ja_jobb_spearphising	Between Groups	.313	1	.313	.339	.561
	Within Groups	122.680	133	.922		
	Total	122.993	134			
var_ja_jobb_losepenge	Between Groups	2.023	1	2.023	2.071	.152
	Within Groups	171.888	176	.977		
	Total	173.910	177			
var_ja_jobb_utpressing	Between Groups	1.653	1	1.653	1.697	.194
	Within Groups	175.298	180	.974		
	Total	176.951	181			
var_ja_jobb_exploit	Between Groups	.616	1	.616	.683	.410
	Within Groups	157.960	175	.903		
	Total	158.576	176			
var_ja_jobb_ID	Between Groups	.877	1	.877	.921	.338
	Within Groups	182.736	192	.952		
	Total	183.613	193			
var_ja_jobb_supplychain	Between Groups	.005	1	.005	.006	.938
	Within Groups	109.788	138	.796		
	Total	109.793	139			
var_ja_jobb_samfunn	Between Groups	8.295	1	8.295	11.183	.001
	Within Groups	132.777	179	.742		
	Total	141.072	180			
var_ja_jobb_infrastruktur	Between Groups	1.102	1	1.102	1.077	.301
	Within Groups	197.616	193	1.024		
	Total	198.718	194			

Figure 30 One-Way ANOVA Threats work - with training

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
var_ja_privat_phishing	Female	119	2.29	1.011	.093	2.11	2.48	1	4
	Male	38	2.37	.883	.143	2.08	2.66	1	4
	Total	157	2.31	.980	.078	2.16	2.47	1	4
var_ja_privat_vishing	Female	168	2.24	1.041	.080	2.09	2.40	1	4
	Male	42	1.95	.936	.144	1.66	2.24	1	4
	Total	210	2.19	1.025	.071	2.05	2.33	1	4
var_ja_privat_spearphishing	Female	120	1.68	.881	.080	1.52	1.83	1	4
	Male	34	1.53	.706	.121	1.28	1.78	1	3
	Total	154	1.64	.845	.068	1.51	1.78	1	4
var_ja_privat_losepenge	Female	151	1.90	.978	.080	1.74	2.06	1	4
	Male	42	1.95	.854	.132	1.69	2.22	1	4
	Total	193	1.91	.951	.068	1.78	2.05	1	4
var_ja_privat_utpressing	Female	151	1.88	.959	.078	1.73	2.03	1	4
	Male	42	1.86	.872	.134	1.59	2.13	1	4
	Total	193	1.88	.938	.068	1.74	2.01	1	4
var_ja_privat_exploit	Female	155	2.54	.969	.078	2.38	2.69	1	4
	Male	41	2.61	.919	.143	2.32	2.90	1	4
	Total	196	2.55	.957	.068	2.42	2.69	1	4
var_ja_privat_ID	Female	163	2.20	.957	.075	2.05	2.35	1	4
	Male	43	1.86	.804	.123	1.61	2.11	1	4
	Total	206	2.13	.936	.065	2.00	2.26	1	4
var_ja_privat_supplychain	Female	115	2.07	.943	.088	1.90	2.24	1	4
	Male	38	2.08	.941	.153	1.77	2.39	1	4
	Total	153	2.07	.940	.076	1.92	2.22	1	4
var_ja_privat_samfunn	Female	153	2.37	.978	.079	2.21	2.52	1	4
	Male	42	1.81	.773	.119	1.57	2.05	1	4
	Total	195	2.25	.964	.069	2.11	2.38	1	4
var_ja_privat_infrastruktur	Female	150	2.35	.970	.079	2.20	2.51	1	4
	Male	41	2.10	.944	.147	1.80	2.40	1	4
	Total	191	2.30	.968	.070	2.16	2.44	1	4

Figure 31 Descriptives Threats home - with training

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
var_ja_privat_phishing	Between Groups	.159	1	.159	.165	.685
	Within Groups	149.548	155	.965		
	Total	149.707	156			
var_ja_privat_vishing	Between Groups	2.858	1	2.858	2.741	.099
	Within Groups	216.899	208	1.043		
	Total	219.757	209			
var_ja_privat_spearphishing	Between Groups	.562	1	.562	.785	.377
	Within Groups	108.796	152	.716		
	Total	109.357	153			
var_ja_privat_losepenge	Between Groups	.088	1	.088	.097	.756
	Within Groups	173.415	191	.908		
	Total	173.503	192			
var_ja_privat_utpressing	Between Groups	.018	1	.018	.021	.886
	Within Groups	168.997	191	.885		
	Total	169.016	192			
var_ja_privat_exploit	Between Groups	.179	1	.179	.195	.660
	Within Groups	178.311	194	.919		
	Total	178.490	195			
var_ja_privat_ID	Between Groups	3.979	1	3.979	4.626	.033
	Within Groups	175.482	204	.860		
	Total	179.461	205			
var_ja_privat_supplychain	Between Groups	.003	1	.003	.003	.958
	Within Groups	134.207	151	.889		
	Total	134.209	152			
var_ja_privat_samfunn	Between Groups	10.205	1	10.205	11.587	.001
	Within Groups	169.979	193	.881		
	Total	180.185	194			
var_ja_privat_infrastruktur	Between Groups	2.106	1	2.106	2.264	.134
	Within Groups	175.883	189	.931		
	Total	177.990	190			

Figure 32 One-Way ANOVA Threats home - with training

[illegible]

\*\* Correlation is significant at the 0.01 level (2-tailed).



Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
var_nei_jobbb_phishing	Female	46	2.30	1.008	.149	2.00	2.60	1	4
	Male	22	2.50	.859	.183	2.12	2.88	1	4
	Total	68	2.37	.960	.116	2.14	2.60	1	4
var_nei_jobbb_vishing	Female	80	1.74	.853	.095	1.55	1.93	1	4
	Male	25	1.48	.653	.131	1.21	1.75	1	3
	Total	105	1.68	.814	.079	1.52	1.83	1	4
var_nei_jobbb_spearphishing	Female	51	1.73	.918	.129	1.47	1.98	1	4
	Male	17	1.65	.702	.170	1.29	2.01	1	3
	Total	68	1.71	.865	.105	1.50	1.92	1	4
var_nei_jobbb_losepenge	Female	65	1.86	.982	.122	1.62	2.10	1	4
	Male	23	1.96	.878	.183	1.58	2.34	1	4
	Total	88	1.89	.952	.101	1.68	2.09	1	4
var_nei_jobbb_utpressing	Female	64	1.88	.984	.123	1.63	2.12	1	4
	Male	22	1.95	.999	.213	1.51	2.40	1	4
	Total	86	1.90	.983	.106	1.68	2.11	1	4
var_nei_jobbb_exploit	Female	69	2.45	.978	.118	2.21	2.68	1	4
	Male	24	2.46	.932	.190	2.06	2.85	1	4
	Total	93	2.45	.961	.100	2.25	2.65	1	4
var_nei_jobbb_ID	Female	78	2.06	.888	.101	1.86	2.26	1	4
	Male	26	2.35	1.018	.200	1.94	2.76	1	4
	Total	104	2.13	.925	.091	1.95	2.31	1	4
var_nei_jobbb_supplychain	Female	53	2.21	.948	.130	1.95	2.47	1	4
	Male	19	2.11	.994	.228	1.63	2.58	1	4
	Total	72	2.18	.954	.112	1.96	2.40	1	4
var_nei_jobbb_samfunn	Female	74	2.50	.983	.114	2.27	2.73	1	4
	Male	27	2.56	.974	.187	2.17	2.94	1	4
	Total	101	2.51	.976	.097	2.32	2.71	1	4
var_nei_jobbb_infrastruktur	Female	74	2.27	.941	.109	2.05	2.49	1	4
	Male	26	2.35	.936	.183	1.97	2.72	1	4
	Total	100	2.29	.935	.094	2.10	2.48	1	4

Figure 34 Descriptives Threats work - no training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_jobb_phishing	Between Groups	.570	1	.570	.614	.436
	Within Groups	61.239	66	.928		
	Total	61.809	67			
var_nei_jobb_vishing	Between Groups	1.263	1	1.263	1.921	.169
	Within Groups	67.728	103	.658		
	Total	68.990	104			
var_nei_jobb_spearphishing	Between Groups	.078	1	.078	.103	.749
	Within Groups	50.039	66	.758		
	Total	50.118	67			
var_nei_jobb_losepenge	Between Groups	.153	1	.153	.167	.683
	Within Groups	78.710	86	.915		
	Total	78.864	87			
var_nei_jobb_utpressing	Between Groups	.104	1	.104	.106	.745
	Within Groups	81.955	84	.976		
	Total	82.058	85			
var_nei_jobb_exploit	Between Groups	.001	1	.001	.002	.969
	Within Groups	85.031	91	.934		
	Total	85.032	92			
var_nei_jobb_ID	Between Groups	1.551	1	1.551	1.828	.179
	Within Groups	86.564	102	.849		
	Total	88.115	103			
var_nei_jobb_supplychain	Between Groups	.146	1	.146	.159	.691
	Within Groups	64.506	70	.922		
	Total	64.653	71			
var_nei_jobb_samfunn	Between Groups	.061	1	.061	.064	.802
	Within Groups	95.167	99	.961		
	Total	95.228	100			
var_nei_jobb_infrastruktur	Between Groups	.111	1	.111	.126	.724
	Within Groups	86.479	98	.882		
	Total	86.590	99			

Figure 35 One-Way ANOVA Threats work - no training

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
var_nei_privat_phishing	Female	60	2.17	1.028	.133	1.90	2.43	1	4
	Male	24	2.38	.824	.168	2.03	2.72	1	4
	Total	84	2.23	.974	.106	2.01	2.44	1	4
var_nei_privat_vishing	Female	85	2.11	1.012	.110	1.89	2.32	1	4
	Male	28	1.71	.763	.144	1.42	2.01	1	4
	Total	113	2.01	.968	.091	1.83	2.19	1	4
var_nei_privat_spearphishing	Female	58	1.66	1.001	.131	1.39	1.92	1	4
	Male	22	1.59	.796	.170	1.24	1.94	1	4
	Total	80	1.64	.945	.106	1.43	1.85	1	4
var_nei_privat_losepeng	Female	71	1.80	1.037	.123	1.56	2.05	1	4
	Male	28	1.89	.832	.157	1.57	2.22	1	4
	Total	99	1.83	.980	.098	1.63	2.02	1	4
var_nei_privat_utpressing	Female	70	1.79	1.034	.124	1.54	2.03	1	4
	Male	28	1.96	.838	.158	1.64	2.29	1	4
	Total	98	1.84	.981	.099	1.64	2.03	1	4
var_nei_privat_exploit	Female	80	2.53	.993	.111	2.30	2.75	1	4
	Male	27	2.56	.934	.180	2.19	2.92	1	4
	Total	107	2.53	.974	.094	2.35	2.72	1	4
var_nei_privat_ID	Female	81	2.25	.956	.106	2.04	2.46	1	4
	Male	30	2.47	.900	.164	2.13	2.80	1	4
	Total	111	2.31	.942	.089	2.13	2.48	1	4
var_nei_privat_supplychain	Female	57	2.05	1.042	.138	1.78	2.33	1	4
	Male	21	2.33	.913	.199	1.92	2.75	1	4
	Total	78	2.13	1.011	.114	1.90	2.36	1	4
var_nei_privat_samfunn	Female	78	2.23	1.056	.120	1.99	2.47	1	4
	Male	27	2.15	.818	.157	1.82	2.47	1	4
	Total	105	2.21	.997	.097	2.02	2.40	1	4
var_nei_privat_infrastruktur	Female	74	2.16	.980	.114	1.94	2.39	1	4
	Male	29	2.31	.967	.180	1.94	2.68	1	4
	Total	103	2.20	.974	.096	2.01	2.39	1	4

Figure 36 Descriptives Threats home - no training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_privat_phishing	Between Groups	.744	1	.744	.783	.379
	Within Groups	77.958	82	.951		
	Total	78.702	83			
var_nei_privat_vishing	Between Groups	3.230	1	3.230	3.523	.063
	Within Groups	101.761	111	.917		
	Total	104.991	112			
var_nei_privat_spearphishing	Between Groups	.066	1	.066	.073	.788
	Within Groups	70.422	78	.903		
	Total	70.487	79			
var_nei_privat_losepeng e	Between Groups	.163	1	.163	.168	.683
	Within Groups	93.918	97	.968		
	Total	94.081	98			
var_nei_privat_utpressing	Between Groups	.638	1	.638	.660	.419
	Within Groups	92.750	96	.966		
	Total	93.388	97			
var_nei_privat_exploit	Between Groups	.019	1	.019	.020	.889
	Within Groups	100.617	105	.958		
	Total	100.636	106			
var_nei_privat_ID	Between Groups	1.057	1	1.057	1.194	.277
	Within Groups	96.528	109	.886		
	Total	97.586	110			
var_nei_privat_supplychain	Between Groups	1.209	1	1.209	1.186	.280
	Within Groups	77.509	76	1.020		
	Total	78.718	77			
var_nei_privat_samfunn	Between Groups	.137	1	.137	.137	.712
	Within Groups	103.254	103	1.002		
	Total	103.390	104			
var_nei_privat_infrastruktur	Between Groups	.457	1	.457	.480	.490
	Within Groups	96.261	101	.953		
	Total	96.718	102			

Figure 37 One-Way ANOVA Threats home - no training

## Correlations

[illegible]

\*\* Correlation is significant at the 0.01 level (2-tailed).

Figure 38 Correlation Threats - no training

## Part 2 - Views on management and control in the workplace

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_ja_oversikt	Female	198	3.21	.680	.048	3.12	3.31	1	5
	Male	44	2.95	.608	.092	2.77	3.14	2	4
	Total	242	3.17	.674	.043	3.08	3.25	1	5
var_ja_hinder	Female	198	1.68	.840	.060	1.56	1.80	1	5
	Male	44	1.98	.821	.124	1.73	2.23	1	5
	Total	242	1.74	.843	.054	1.63	1.84	1	5
var_ja_forandret_fokus	Female	198	2.30	.981	.070	2.16	2.44	1	5
	Male	44	2.16	.834	.126	1.91	2.41	1	4
	Total	242	2.27	.955	.061	2.15	2.39	1	5
var_ja_prosedyre	Female	198	2.55	1.138	.081	2.39	2.71	1	5
	Male	44	2.23	.937	.141	1.94	2.51	1	4
	Total	242	2.49	1.109	.071	2.35	2.63	1	5
var_ja_retningslinjer	Female	198	3.03	.958	.068	2.89	3.16	1	5
	Male	44	2.84	.939	.142	2.56	3.13	1	5
	Total	242	2.99	.955	.061	2.87	3.11	1	5
var_ja_krav	Female	198	3.28	.848	.060	3.16	3.40	1	5
	Male	44	2.91	.960	.145	2.62	3.20	1	5
	Total	242	3.21	.879	.057	3.10	3.32	1	5
var_ja_konsekvens	Female	198	3.67	.628	.045	3.58	3.76	1	5
	Male	44	3.48	.698	.105	3.26	3.69	2	4
	Total	242	3.64	.644	.041	3.55	3.72	1	5

Figure 39 Descriptives views on management and control at work – with training

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
var_ja_oversikt	Between Groups	2.388	1	2.388	5.357	.021
	Within Groups	107.000	240	.446		
	Total	109.388	241			
var_ja_hinder	Between Groups	3.143	1	3.143	4.491	.035
	Within Groups	167.932	240	.700		
	Total	171.074	241			
var_ja_forandret_fokus	Between Groups	.694	1	.694	.760	.384
	Within Groups	219.306	240	.914		
	Total	220.000	241			
var_ja_prosedyre	Between Groups	3.761	1	3.761	3.084	.080
	Within Groups	292.722	240	1.220		
	Total	296.483	241			
var_ja_retningslinjer	Between Groups	1.223	1	1.223	1.342	.248
	Within Groups	218.760	240	.912		
	Total	219.983	241			
var_ja_krav	Between Groups	4.893	1	4.893	6.476	.012
	Within Groups	181.359	240	.756		
	Total	186.252	241			
var_ja_konsekvens	Between Groups	1.361	1	1.361	3.312	.070
	Within Groups	98.639	240	.411		
	Total	100.000	241			

Figure 40 One-Way ANOVA views on control and management at work – with training

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
var_nei_oversikt	Female	108	2.55	.990	.095	2.36	2.74	1	5
	Male	30	2.57	.728	.133	2.29	2.84	1	4
	Total	138	2.55	.936	.080	2.39	2.71	1	5
var_nei_hinder	Female	108	2.17	1.411	.136	1.90	2.44	1	5
	Male	30	1.90	1.094	.200	1.49	2.31	1	5
	Total	138	2.11	1.349	.115	1.88	2.34	1	5
var_nei_forandret_fokus	Female	108	2.25	1.128	.109	2.03	2.47	1	5
	Male	30	2.23	1.135	.207	1.81	2.66	1	5
	Total	138	2.25	1.126	.096	2.06	2.44	1	5
var_nei_prosedyre	Female	108	1.84	1.034	.099	1.65	2.04	1	5
	Male	30	1.87	.937	.171	1.52	2.22	1	5
	Total	138	1.85	1.010	.086	1.68	2.02	1	5
var_nei_retningslinjer	Female	108	2.53	1.315	.126	2.28	2.78	1	5
	Male	30	2.23	1.194	.218	1.79	2.68	1	5
	Total	138	2.46	1.291	.110	2.25	2.68	1	5
var_nei_krav	Female	108	2.67	1.085	.104	2.46	2.87	1	5
	Male	30	2.23	1.006	.184	1.86	2.61	1	5
	Total	138	2.57	1.080	.092	2.39	2.75	1	5
var_nei_konsekvens	Female	108	3.51	.755	.073	3.37	3.65	1	4
	Male	30	3.67	.758	.138	3.38	3.95	1	4
	Total	138	3.54	.756	.064	3.42	3.67	1	4

Figure 41 Descriptives views on management and control at work - no training



		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_oversikt	Between Groups	.010	1	.010	.011	.917
	Within Groups	120.135	136	.883		
	Total	120.145	137			
var_nei_hinder	Between Groups	1.670	1	1.670	.917	.340
	Within Groups	247.700	136	1.821		
	Total	249.370	137			
var_nei_forandret_fokus	Between Groups	.007	1	.007	.005	.943
	Within Groups	173.617	136	1.277		
	Total	173.623	137			
var_nei_prosedyre	Between Groups	.014	1	.014	.013	.909
	Within Groups	139.791	136	1.028		
	Total	139.804	137			
var_nei_retningslinjer	Between Groups	2.036	1	2.036	1.223	.271
	Within Groups	226.283	136	1.664		
	Total	228.319	137			
var_nei_krav	Between Groups	4.409	1	4.409	3.859	.052
	Within Groups	155.367	136	1.142		
	Total	159.775	137			
var_nei_konsekvens	Between Groups	.582	1	.582	1.019	.315
	Within Groups	77.657	136	.571		
	Total	78.239	137			

Figure 42 One-Way Anova views on management and control at work - no training

		Descriptives						
var_ja_bevisst_brudd					95% Confidence Interval for Mean			
	N	Mean	Std. Deviation	Std. Error	Lower Bound	Upper Bound	Minimum	Maximum
Female	198	2.01	.363	.026	1.96	2.06	1	3
Male	44	1.77	.476	.072	1.63	1.92	1	3
Total	242	1.97	.396	.025	1.92	2.02	1	3

Figure 43 Descriptives knowingly broken protocol - with training

		ANOVA				
var_ja_bevisst_brudd		Sum of Squares	df	Mean Square	F	Sig.
Between Groups		2.028	1	2.028	13.634	.000
Within Groups		35.707	240	.149		
Total		37.736	241			

Figure 44 One-Way ANOVA knowingly broken protocol - with training

Correlations									
		var_ja_oversikt	var_ja_hinder	var_ja_forandret_fokus	var_ja_prosedyre	var_ja_retningslinjer	var_ja_krav	var_ja_konsekvens	var_ja_bevisstbrudd
var_ja_oversikt	Pearson Correlation	1	-.157*	.020	.346**	.453**	.375**	.263**	-.026
	Sig. (2-tailed)		.015	.758	.000	.000	.000	.000	.686
	N	242	242	242	242	242	242	242	242
var_ja_hinder	Pearson Correlation	-.157*	1	.085	-.051	-.126*	-.093	-.040	-.089
	Sig. (2-tailed)	.015		.189	.428	.049	.151	.533	.170
	N	242	242	242	242	242	242	242	242
var_ja_forandret_fokus	Pearson Correlation	.020	.085	1	.304**	.062	.134*	.088	.046
	Sig. (2-tailed)	.758	.189		.000	.340	.037	.174	.477
	N	242	242	242	242	242	242	242	242
var_ja_prosedyre	Pearson Correlation	.346**	-.051	.304**	1	.497**	.344**	.222**	.113
	Sig. (2-tailed)	.000	.428	.000		.000	.000	.000	.080
	N	242	242	242	242	242	242	242	242
var_ja_retningslinjer	Pearson Correlation	.453**	-.126*	.062	.497**	1	.615**	.184**	-.001
	Sig. (2-tailed)	.000	.049	.340	.000		.000	.004	.991
	N	242	242	242	242	242	242	242	242
var_ja_krav	Pearson Correlation	.375**	-.093	.134*	.344**	.615**	1	.143*	.020
	Sig. (2-tailed)	.000	.151	.037	.000	.000		.026	.756
	N	242	242	242	242	242	242	242	242
var_ja_konsekvens	Pearson Correlation	.263**	-.040	.088	.222**	.184**	.143*	1	-.015
	Sig. (2-tailed)	.000	.533	.174	.000	.004	.026		.819
	N	242	242	242	242	242	242	242	242
var_ja_bevisstbrudd	Pearson Correlation	-.026	-.089	.046	.113	-.001	.020	-.015	1
	Sig. (2-tailed)	.686	.170	.477	.080	.991	.756	.819	
	N	242	242	242	242	242	242	242	242

\*. Correlation is significant at the 0.05 level (2-tailed).

\*\*. Correlation is significant at the 0.01 level (2-tailed).

Figure 45 correlation management, control and protocol - with training

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_nei_oversikt	Female	108	2.55	.990	.095	2.36	2.74	1	5
	Male	30	2.57	.728	.133	2.29	2.84	1	4
	Total	138	2.55	.936	.080	2.39	2.71	1	5
var_nei_hinder	Female	108	2.17	1.411	.136	1.90	2.44	1	5
	Male	30	1.90	1.094	.200	1.49	2.31	1	5
	Total	138	2.11	1.349	.115	1.88	2.34	1	5
var_nei_forandret_fokus	Female	108	2.25	1.128	.109	2.03	2.47	1	5
	Male	30	2.23	1.135	.207	1.81	2.66	1	5
	Total	138	2.25	1.126	.096	2.06	2.44	1	5
var_nei_prosedyre	Female	108	1.84	1.034	.099	1.65	2.04	1	5
	Male	30	1.87	.937	.171	1.52	2.22	1	5
	Total	138	1.85	1.010	.086	1.68	2.02	1	5
var_nei_retningslinjer	Female	108	2.53	1.315	.126	2.28	2.78	1	5
	Male	30	2.23	1.194	.218	1.79	2.68	1	5
	Total	138	2.46	1.291	.110	2.25	2.68	1	5
var_nei_krav	Female	108	2.67	1.085	.104	2.46	2.87	1	5
	Male	30	2.23	1.006	.184	1.86	2.61	1	5
	Total	138	2.57	1.080	.092	2.39	2.75	1	5
var_nei_konsekvens	Female	108	3.51	.755	.073	3.37	3.65	1	4
	Male	30	3.67	.758	.138	3.38	3.95	1	4
	Total	138	3.54	.756	.064	3.42	3.67	1	4

Figure 46 Descriptives Views on management and control at work - no training

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_oversikt	Between Groups	.010	1	.010	.011	.917
	Within Groups	120.135	136	.883		
	Total	120.145	137			
var_nei_hinder	Between Groups	1.670	1	1.670	.917	.340
	Within Groups	247.700	136	1.821		
	Total	249.370	137			
var_nei_forandret_fokus	Between Groups	.007	1	.007	.005	.943
	Within Groups	173.617	136	1.277		
	Total	173.623	137			
var_nei_prosedyre	Between Groups	.014	1	.014	.013	.909
	Within Groups	139.791	136	1.028		
	Total	139.804	137			
var_nei_retningslinjer	Between Groups	2.036	1	2.036	1.223	.271
	Within Groups	226.283	136	1.664		
	Total	228.319	137			
var_nei_krav	Between Groups	4.409	1	4.409	3.859	.052
	Within Groups	155.367	136	1.142		
	Total	159.775	137			
var_nei_konsekvens	Between Groups	.582	1	.582	1.019	.315
	Within Groups	77.657	136	.571		
	Total	78.239	137			

Figure 47 One-Way ANOVA views on management and control at work - no training

		Descriptives						
var_nei_bevisst_brudd					95% Confidence Interval for Mean			
	N	Mean	Std. Deviation	Std. Error	Lower Bound	Upper Bound	Minimum	Maximum
Female	108	2.00	.362	.035	1.93	2.07	1	3
Male	30	2.13	.507	.093	1.94	2.32	1	3
Total	138	2.03	.400	.034	1.96	2.10	1	3

Figure 48 Descriptives knowingly broken protocol - no training

## ANOVA

var\_nei\_bevisst\_brudd

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.417	1	.417	2.644	.106
Within Groups	21.467	136	.158		
Total	21.884	137			

Figure 49 One-way ANOVA knowingly broken protocol - no training

## Correlations

		var_nei_oversikt	var_nei_hinder	var_nei_forandret_fokus	var_nei_prosedyre	var_nei_retningslinjer	var_nei_krav	var_nei_konsekvens	var_nei_bevisst_brudd
var_nei_oversikt	Pearson Correlation	1	-.157	-.012	.213*	.155	.184*	.152	.094
	Sig. (2-tailed)		.065	.889	.012	.069	.031	.076	.275
	N	138	138	138	138	138	138	138	138
var_nei_hinder	Pearson Correlation	-.157	1	.381**	-.031	-.021	.092	-.151	.075
	Sig. (2-tailed)	.065		.000	.721	.809	.282	.076	.380
	N	138	138	138	138	138	138	138	138
var_nei_forandret_fokus	Pearson Correlation	-.012	.381**	1	.168*	-.064	.201*	.004	-.065
	Sig. (2-tailed)	.889	.000		.049	.455	.018	.958	.451
	N	138	138	138	138	138	138	138	138
var_nei_prosedyre	Pearson Correlation	.213*	-.031	.168*	1	.256**	.261**	.243**	.011
	Sig. (2-tailed)	.012	.721	.049		.002	.002	.004	.898
	N	138	138	138	138	138	138	138	138
var_nei_retningslinjer	Pearson Correlation	.155	-.021	-.064	.256**	1	.473**	.196*	.044
	Sig. (2-tailed)	.069	.809	.455	.002		.000	.021	.604
	N	138	138	138	138	138	138	138	138
var_nei_krav	Pearson Correlation	.184*	.092	.201*	.261**	.473**	1	.171*	-.106
	Sig. (2-tailed)	.031	.282	.018	.002	.000		.046	.214
	N	138	138	138	138	138	138	138	138
var_nei_konsekvens	Pearson Correlation	.152	-.151	.004	.243**	.196*	.171*	1	-.077
	Sig. (2-tailed)	.076	.076	.958	.004	.021	.046		.371
	N	138	138	138	138	138	138	138	138
var_nei_bevisst_brudd	Pearson Correlation	.094	.075	-.065	.011	.044	-.106	-.077	1
	Sig. (2-tailed)	.275	.380	.451	.898	.604	.214	.371	
	N	138	138	138	138	138	138	138	138

\*. Correlation is significant at the 0.05 level (2-tailed).

\*\*. Correlation is significant at the 0.01 level (2-tailed).

Figure 50 correlation management, control and protocol - no training

## Part 3 - Behaviour

### Online behaviour with training

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_ja__jobb_nettside	Female	198	2.43	1.014	.072	2.29	2.58	1	5
	Male	44	2.80	1.069	.161	2.47	3.12	1	5
	Total	242	2.50	1.032	.066	2.37	2.63	1	5
var_ja__jobb_linker	Female	198	1.88	.935	.066	1.75	2.01	1	5
	Male	44	1.98	1.023	.154	1.67	2.29	1	4
	Total	242	1.90	.950	.061	1.78	2.02	1	5
var_ja__jobb_avsender	Female	198	1.79	.926	.066	1.66	1.92	1	4
	Male	44	1.98	1.067	.161	1.65	2.30	1	4
	Total	242	1.82	.954	.061	1.70	1.94	1	4
var_ja__jobb_laaser_logg erut	Female	198	1.48	.602	.043	1.40	1.57	1	3
	Male	44	1.70	.904	.136	1.43	1.98	1	4
	Total	242	1.52	.671	.043	1.44	1.61	1	4
var_ja__jobb_private_enh eter	Female	198	3.45	.815	.058	3.34	3.56	1	5
	Male	44	3.18	.995	.150	2.88	3.48	1	4
	Total	242	3.40	.855	.055	3.29	3.51	1	5
var_ja__jobb_rapport	Female	198	2.70	1.317	.094	2.51	2.88	1	5
	Male	44	2.77	1.292	.195	2.38	3.17	1	5
	Total	242	2.71	1.310	.084	2.54	2.88	1	5

Figure 51 Descriptives Behaviour at work - with training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_ja__jobb_nettside	Between Groups	4.694	1	4.694	4.474	.035
	Within Groups	251.806	240	1.049		
	Total	256.500	241			
var_ja__jobb_linker	Between Groups	.314	1	.314	.347	.556
	Within Groups	217.306	240	.905		
	Total	217.620	241			
var_ja__jobb_avsender	Between Groups	1.291	1	1.291	1.421	.234
	Within Groups	218.068	240	.909		
	Total	219.360	241			
var_ja__jobb_laaser_logg erut	Between Groups	1.738	1	1.738	3.912	.049
	Within Groups	106.614	240	.444		
	Total	108.351	241			
var_ja__jobb_private_enh eter	Between Groups	2.579	1	2.579	3.567	.060
	Within Groups	173.540	240	.723		
	Total	176.120	241			
var_ja__jobb_rapport	Between Groups	.207	1	.207	.120	.729
	Within Groups	413.545	240	1.723		
	Total	413.752	241			

Figure 52 One-Way ANOVA behaviour at work - with training

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
var_ja_privat_nettside	Female	198	2.17	.949	.067	2.03	2.30	1	5
	Male	44	2.36	.917	.138	2.08	2.64	1	4
	Total	242	2.20	.945	.061	2.08	2.32	1	5
var_ja_privat_linker	Female	198	1.61	.771	.055	1.50	1.72	1	5
	Male	44	1.82	.922	.139	1.54	2.10	1	4
	Total	242	1.65	.802	.052	1.55	1.75	1	5
var_ja_privat_avsender	Female	198	1.69	.827	.059	1.57	1.80	1	5
	Male	44	1.95	.939	.142	1.67	2.24	1	4
	Total	242	1.74	.852	.055	1.63	1.84	1	5
var_ja_privat_laaser_log gerut	Female	198	2.45	1.059	.075	2.31	2.60	1	5
	Male	44	2.61	1.083	.163	2.28	2.94	1	4
	Total	242	2.48	1.063	.068	2.35	2.62	1	5
var_ja_privat_jobb_enhet er	Female	198	3.38	.839	.060	3.26	3.50	1	4
	Male	44	3.02	1.067	.161	2.70	3.35	1	4
	Total	242	3.31	.893	.057	3.20	3.43	1	4
var_ja_privat_rapport	Female	198	2.40	1.134	.081	2.24	2.56	1	5
	Male	44	2.45	1.130	.170	2.11	2.80	1	4
	Total	242	2.41	1.131	.073	2.27	2.55	1	5

Figure 53 Descriptives Behaviour at home - with training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_ja_privat_nettside	Between Groups	1.397	1	1.397	1.569	.212
	Within Groups	213.682	240	.890		
	Total	215.079	241			
var_ja_privat_linker	Between Groups	1.544	1	1.544	2.412	.122
	Within Groups	153.601	240	.640		
	Total	155.145	241			
var_ja_privat_avsender	Between Groups	2.579	1	2.579	3.589	.059
	Within Groups	172.495	240	.719		
	Total	175.074	241			
var_ja_privat_laaser_log gerut	Between Groups	.911	1	.911	.805	.370
	Within Groups	271.523	240	1.131		
	Total	272.434	241			
var_ja_privat_jobb_enhet er	Between Groups	4.564	1	4.564	5.840	.016
	Within Groups	187.568	240	.782		
	Total	192.132	241			
var_ja_privat_rapport	Between Groups	.111	1	.111	.086	.769
	Within Groups	308.389	240	1.285		
	Total	308.500	241			

Figure 54 One-Way ANOVA Behaviour at home - with training

### Correlations

	var_ia_jobb_nettside	var_ia_jobb_linker	var_ia_jobb_avsender	var_ia_jobb_laaser_logg_ut	var_ia_jobb_private_enheter	var_ia_jobb_apport	var_ia_privat_nettside	var_ia_privat_linker	var_ia_privat_avsender	var_ia_privat_laaser_logg_ut	var_ia_privat_jobb_enheter	var_ia_privat_rapport
var_ia_jobb_nettside	Pearson Correlation Sig. (2-tailed) N	.499** .000 242	.390** .000 242	.135* .036 242	-.007 .913 242	.236** .000 242	.581** .000 242	.363** .000 242	.335** .000 242	.206** .001 242	-.054 .403 242	.307** .000 242
var_ia_jobb_linker	Pearson Correlation Sig. (2-tailed) N	.499** .000 242	.580** .000 242	.186** .004 242	.029 .657 242	.267** .000 242	.429** .000 242	.634** .000 242	.459** .000 242	.138* .032 242	-.061 .345 242	.331** .000 242
var_ia_jobb_avsender	Pearson Correlation Sig. (2-tailed) N	.390** .000 242	.1 242	.231** .000 242	-.004 .952 242	.214** .001 242	.473** .000 242	.574** .000 242	.743** .000 242	.232** .000 242	-.129* .045 242	.260** .000 242
var_ia_jobb_laaser_logg_erut	Pearson Correlation Sig. (2-tailed) N	.135* .036 242	.231** .000 242	1 242	-.101 .918 242	.202** .002 242	.192** .003 242	.244** .000 242	.215** .001 242	.312** .000 242	.070 .277 242	.219** .001 242
var_ia_privat_private_enheter	Pearson Correlation Sig. (2-tailed) N	-.007 .913 242	-.004 .952 242	-.101 .918 242	1 242	.037 .564 242	.208** .896 242	.270** .458 242	.266** .317 242	.217** .677 242	.117 .025 242	.511** .493 242
var_ia_privat_nettside	Pearson Correlation Sig. (2-tailed) N	.581** .000 242	.473** .001 242	.192** .002 242	-.008 .564 242	.208** .001 242	1 242	.576** .000 242	.556** .000 242	.241** .001 242	-.100 .069 242	.330** .000 242
var_ia_privat_linker	Pearson Correlation Sig. (2-tailed) N	.363** .000 242	.574** .000 242	.244** .000 242	-.048 .458 242	.270** .317 242	.576** .000 242	1 242	.737** .000 242	.224** .000 242	-.048 .456 242	.323** .000 242
var_ia_privat_avsender	Pearson Correlation Sig. (2-tailed) N	.335** .000 242	.743** .000 242	.215** .001 242	-.065 .317 242	.266** .000 242	.556** .000 242	.737** .000 242	1 242	.274** .000 242	-.032 .618 242	.259** .000 242
var_ia_privat_laaser_loggerut	Pearson Correlation Sig. (2-tailed) N	.206** .001 242	.232** .000 242	.312** .000 242	-.027 .918 242	.217** .001 242	.241** .000 242	.224** .000 242	.274** .000 242	1 242	.102 .115 242	.180** .005 242
var_ia_privat_jobb_enheter	Pearson Correlation Sig. (2-tailed) N	-.054 .403 242	-.129* .045 242	.260** .000 242	.070 .277 242	.214** .001 242	.473** .000 242	.574** .000 242	.743** .000 242	.232** .000 242	-.129* .045 242	.260** .000 242
var_ia_privat_rapport	Pearson Correlation Sig. (2-tailed) N	.307** .000 242	.331** .000 242	.360** .000 242	.219** .001 242	.511** .000 242	.330** .000 242	.323** .000 242	.259** .000 242	.180** .005 242	.041 .529 242	1 529 242

\*\*. Correlation is significant at the 0.01 level (2-tailed).

\*. Correlation is significant at the 0.05 level (2-tailed).

Figure 55 Correlations work and home

## Online behaviour no training

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_nei_jobb_nettside	Female	108	2.63	1.124	.108	2.42	2.84	1	5
	Male	30	2.67	1.028	.188	2.28	3.05	1	5
	Total	138	2.64	1.100	.094	2.45	2.82	1	5
var_nei_jobb_linker	Female	108	2.12	1.150	.111	1.90	2.34	1	5
	Male	30	2.13	1.167	.213	1.70	2.57	1	5
	Total	138	2.12	1.149	.098	1.93	2.32	1	5
var_nei_jobb_avsender	Female	108	1.91	.991	.095	1.72	2.10	1	5
	Male	30	1.90	1.094	.200	1.49	2.31	1	5
	Total	138	1.91	1.010	.086	1.74	2.08	1	5
var_nei_jobb_laaser_log gerut	Female	108	1.61	.759	.073	1.47	1.76	1	4
	Male	30	1.67	1.028	.188	1.28	2.05	1	5
	Total	138	1.62	.821	.070	1.48	1.76	1	5
var_nei_jobb_private_en heter	Female	108	3.38	.924	.089	3.20	3.56	1	4
	Male	30	3.57	.858	.157	3.25	3.89	1	5
	Total	138	3.42	.911	.078	3.27	3.57	1	5
var_nei_jobb_mistenkeli g	Female	108	2.93	1.477	.142	2.64	3.21	1	5
	Male	30	3.13	1.332	.243	2.64	3.63	1	5
	Total	138	2.97	1.445	.123	2.73	3.21	1	5

Figure 56 Descriptives behaviour work - no training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_jobb_nettside	Between Groups	.032	1	.032	.026	.871
	Within Groups	165.852	136	1.219		
	Total	165.884	137			
var_nei_jobb_linker	Between Groups	.004	1	.004	.003	.957
	Within Groups	180.902	136	1.330		
	Total	180.906	137			
var_nei_jobb_avsender	Between Groups	.001	1	.001	.001	.972
	Within Groups	139.774	136	1.028		
	Total	139.775	137			
var_nei_jobb_laaser_log gerut	Between Groups	.072	1	.072	.107	.744
	Within Groups	92.333	136	.679		
	Total	92.406	137			
var_nei_jobb_private_en heter	Between Groups	.821	1	.821	.990	.321
	Within Groups	112.802	136	.829		
	Total	113.623	137			
var_nei_jobb_mistenkeli g	Between Groups	1.010	1	1.010	.482	.489
	Within Groups	284.874	136	2.095		
	Total	285.884	137			

Figure 57 One-Way ANOVA behaviour at work - no training



Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_nei_privat_nettside	Female	108	2.30	1.016	.098	2.10	2.49	1	4
	Male	30	2.23	.858	.157	1.91	2.55	1	4
	Total	138	2.28	.982	.084	2.12	2.45	1	4
var_nei_privat_linker	Female	108	1.69	.837	.081	1.53	1.85	1	4
	Male	30	1.67	.922	.168	1.32	2.01	1	4
	Total	138	1.69	.853	.073	1.54	1.83	1	4
var_nei_privat_avsender	Female	108	1.68	.874	.084	1.51	1.84	1	4
	Male	30	1.77	.858	.157	1.45	2.09	1	4
	Total	138	1.70	.868	.074	1.55	1.84	1	4
var_nei_privat_laaser_loggerut	Female	108	2.50	1.115	.107	2.29	2.71	1	5
	Male	30	2.53	1.008	.184	2.16	2.91	1	4
	Total	138	2.51	1.089	.093	2.32	2.69	1	5
var_nei_privat_jobb_etter	Female	108	3.60	.710	.068	3.47	3.74	1	5
	Male	30	3.50	.777	.142	3.21	3.79	1	4
	Total	138	3.58	.723	.062	3.46	3.70	1	5
var_nei_privat_mistenkelig	Female	108	2.50	1.384	.133	2.24	2.76	1	5
	Male	30	2.83	1.392	.254	2.31	3.35	1	5
	Total	138	2.57	1.388	.118	2.34	2.81	1	5

Figure 58 Descriptives behaviour at home - no training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_privat_nettside	Between Groups	.093	1	.093	.096	.757
	Within Groups	131.885	136	.970		
	Total	131.978	137			
var_nei_privat_linker	Between Groups	.018	1	.018	.025	.875
	Within Groups	99.583	136	.732		
	Total	99.601	137			
var_nei_privat_avsender	Between Groups	.193	1	.193	.255	.614
	Within Groups	103.024	136	.758		
	Total	103.217	137			
var_nei_privat_laaser_loggerut	Between Groups	.026	1	.026	.022	.883
	Within Groups	162.467	136	1.195		
	Total	162.493	137			
var_nei_privat_jobb_etter	Between Groups	.244	1	.244	.464	.497
	Within Groups	71.380	136	.525		
	Total	71.623	137			
var_nei_privat_mistenkelig	Between Groups	2.609	1	2.609	1.358	.246
	Within Groups	261.167	136	1.920		
	Total	263.775	137			

Figure 59 One-Way ANOVA behaviour at home - no training



## Risk-posing actions

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_ja_passord_hjemme	Female	198	1.66	.485	.034	1.59	1.73	1	3
	Male	44	1.80	.462	.070	1.66	1.94	1	3
	Total	242	1.69	.483	.031	1.62	1.75	1	3
var_ja_pasientdata_epost	Female	198	1.93	.320	.023	1.89	1.98	1	3
	Male	44	1.91	.291	.044	1.82	2.00	1	2
	Total	242	1.93	.314	.020	1.89	1.97	1	3
var_ja_kopiert_data	Female	198	2.02	.159	.011	1.99	2.04	1	3
	Male	44	1.95	.211	.032	1.89	2.02	1	2
	Total	242	2.00	.170	.011	1.98	2.03	1	3
var_ja_detaljer_some	Female	198	1.98	.141	.010	1.96	2.00	1	2
	Male	44	2.00	.000	.000	2.00	2.00	2	2
	Total	242	1.98	.128	.008	1.97	2.00	1	2

Figure 61 Descriptives actions - with training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_ja_passord_hjemme	Between Groups	.645	1	.645	2.789	.096
	Within Groups	55.487	240	.231		
	Total	56.132	241			
var_ja_pasientdata_epost	Between Groups	.023	1	.023	.232	.631
	Within Groups	23.783	240	.099		
	Total	23.806	241			
var_ja_kopiert_data	Between Groups	.132	1	.132	4.624	.033
	Within Groups	6.864	240	.029		
	Total	6.996	241			
var_ja_detaljer_some	Between Groups	.015	1	.015	.900	.344
	Within Groups	3.919	240	.016		
	Total	3.934	241			

Figure 62 One-Way ANOVA actions - with training

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
var_nei_passord_hjemme	Female	108	1.58	.495	.048	1.49	1.68	1	2
	Male	30	1.63	.490	.089	1.45	1.82	1	2
	Total	138	1.59	.493	.042	1.51	1.68	1	2
var_nei_pasientdata_epost	Female	108	1.91	.291	.028	1.85	1.96	1	2
	Male	30	1.93	.365	.067	1.80	2.07	1	3
	Total	138	1.91	.308	.026	1.86	1.96	1	3
var_nei_data	Female	108	2.04	.190	.018	2.00	2.07	2	3
	Male	30	2.00	.263	.048	1.90	2.10	1	3
	Total	138	2.03	.207	.018	1.99	2.06	1	3
var_nei_detaljer_some	Female	108	2.01	.096	.009	1.99	2.03	2	3
	Male	30	2.00	.000	.000	2.00	2.00	2	2
	Total	138	2.01	.085	.007	1.99	2.02	2	3

Figure 63 Descriptives actions - no training

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
var_nei_passord_hjemme	Between Groups	.059	1	.059	.240	.625
	Within Groups	33.217	136	.244		
	Total	33.275	137			
var_nei_pasientdata_epost	Between Groups	.016	1	.016	.166	.684
	Within Groups	12.941	136	.095		
	Total	12.957	137			
var_nei_data	Between Groups	.032	1	.032	.748	.388
	Within Groups	5.852	136	.043		
	Total	5.884	137			
var_nei_detaljer_some	Between Groups	.002	1	.002	.276	.600
	Within Groups	.991	136	.007		
	Total	.993	137			

Figure 64 One-Way ANOVA actions - no training

Correlations									
		var_nei_passord_hjemme	var_nei_pasientdata_epost	var_nei_data	var_nei_detaljer_some	var_ja_passord_hjemme	var_ja_pasientdata_epost	var_ja_kopiert_data	var_ja_detaljer_some
var_nei_passord_hjemme	Pearson Correlation	1	.054	-.170*	.071	.b	.b	.b	.b
	Sig. (2-tailed)		.526	.046	.411	.	.	.	.
	N	138	138	138	138	0	0	0	0
var_nei_pasientdata_epost	Pearson Correlation	.054	1	-.189*	.024	.b	.b	.b	.b
	Sig. (2-tailed)	.526		.026	.778	.	.	.	.
	N	138	138	138	138	0	0	0	0
var_nei_data	Pearson Correlation	-.170*	-.189*	1	-.012	.b	.b	.b	.b
	Sig. (2-tailed)	.046	.026		.889	.	.	.	.
	N	138	138	138	138	0	0	0	0
var_nei_detaljer_some	Pearson Correlation	.071	.024	-.012	1	.b	.b	.b	.b
	Sig. (2-tailed)	.411	.778	.889		.	.	.	.
	N	138	138	138	138	0	0	0	0
var_ja_passord_hjemme	Pearson Correlation	.b	.b	.b	.b	1	.073	.016	.185**
	Sig. (2-tailed)	.	.	.	.		.259	.806	.004
	N	0	0	0	0	242	242	242	242
var_ja_pasientdata_epost	Pearson Correlation	.b	.b	.b	.b	.073	1	.005	.178**
	Sig. (2-tailed)	.	.	.	.	.259		.933	.006
	N	0	0	0	0	242	242	242	242
var_ja_kopiert_data	Pearson Correlation	.b	.b	.b	.b	.016	.005	1	-.187**
	Sig. (2-tailed)	.	.	.	.	.806	.933		.003
	N	0	0	0	0	242	242	242	242
var_ja_detaljer_some	Pearson Correlation	.b	.b	.b	.b	.185**	.178**	-.187**	1
	Sig. (2-tailed)	.	.	.	.	.004	.006	.003	
	N	0	0	0	0	242	242	242	242

\*. Correlation is significant at the 0.05 level (2-tailed).

\*\*. Correlation is significant at the 0.01 level (2-tailed).

b. Cannot be computed because at least one of the variables is constant.

Figure 65 Pearson correlation actions

## Part 4 - Knowledge and motivation

### With training

#### Training

##### Frequencies Where have you learned about information security?

		Responses		Percent of Cases
		N	Percent	
Where <sup>a</sup>	Self-Study	85	20.2%	35.1%
	Internal courses	149	35.5%	61.6%
	External courses	25	6.0%	10.3%
	Information from employer	161	38.3%	66.5%
Total		420	100.0%	173.6%

a. Group

Figure 66 Frequencies "Where have you learned about information security?"

Training offered

		kurs			
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes, I have participated	135	34.4	55.8	55.8
	Yes, but I have not participated	8	2.0	3.3	59.1
	No	85	21.7	35.1	94.2
	Do not know	14	3.6	5.8	100.0
	Total	242	61.7	100.0	
Missing	System	150	38.3		
Total		392	100.0		

Figure 67 Frequencies courses the last two years

Tools to raise awareness.

		Responses		Percent of Cases
		N	Percent	
Tools <sup>a</sup>	Coursing with experts	108	22.8%	44.6%
	Gamification	39	8.2%	16.1%
	Customized physical courses	72	15.2%	29.8%
	Customized e-learning courses	184	38.9%	76.0%
	Films	70	14.8%	28.9%
Total		473	100.0%	195.5%

a. Group

Figure 68 Frequencies What learning tools would you prefer?

Want to learn more about

		Responses		Percent of Cases
		N	Percent	
More knowledge <sup>a</sup>	Infosec at work	147	23.4%	61.0%
	Infosec at home	117	18.6%	48.5%
	Secure e-mail	81	12.9%	33.6%
	Report Infosec incident	111	17.6%	46.1%
	Cloud services	96	15.3%	39.8%
	Courses available	77	12.2%	32.0%
Total		629	100.0%	261.0%

a. Group

Figure 69 Frequencies want more knowledge

No training

Training

**Where have you learned about informatio security  
Frequencies**

		Responses		Percent of Cases
		N	Percent	
Where <sup>a</sup>	Self-Study	87	50.6%	63.0%
	Internal courses	14	8.1%	10.1%
	External courses	8	4.7%	5.8%
	Information from employer	63	36.6%	45.7%
Total		172	100.0%	124.6%

a. Group

Figure 70 Frequencies learned about information security

Training offered

**Courses the last two years**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes, I have participated	7	1.8	5.1	5.1
	Yes, but I have not participated	5	1.3	3.6	8.7
	No	113	28.8	81.9	90.6
	Do not know	13	3.3	9.4	100.0
	Total	138	35.2	100.0	
Missing	System	254	64.8		
Total		392	100.0		

Figure 71 Frequencies coursed the last two years

Tools to raise awareness

### Tools Frequencies

		Responses		Percent of Cases
		N	Percent	
Tools <sup>a</sup>	Coursing with experts	68	29.8%	49.3%
	Gamification	6	2.6%	4.3%
	Customized physical courses	55	24.1%	39.9%
	Customized e-learning courses	75	32.9%	54.3%
	Films	24	10.5%	17.4%
Total		228	100.0%	165.2%

a. Group

Figure 72 Frequencies What learning tools would you prefer?

Want to learn more about?

### More knowledge Frequencies

		Responses		Percent of Cases
		N	Percent	
More knowledge <sup>a</sup>	Infosec at work	96	21.9%	69.6%
	Infosec at home	63	14.4%	45.7%
	Secure use of e-mail	47	10.7%	34.1%
	Securely treat patient data	61	13.9%	44.2%
	Report infosec incidents	59	13.5%	42.8%
	Cloud services	53	12.1%	38.4%
	Courses available	59	13.5%	42.8%
Total		438	100.0%	317.4%

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Figure 73 Frequencies learn more about