

Gezien worden, of niet? Evaluatie van de periodieke gezondheidsbeoordeling

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Periodieke gezondheidsbeoordeling (PGB)



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Table: Implementation of EU Directive 89/391/EEC in the EU (and UK); n=28; based on Colosio et al

Question	Answer	n	Countries
Is health surveillance offered for all workers?	Yes	28	All
	All	15	BG, HR, CZ, EE, FI, DE, HU, LU, NL, PL, RO, SK, SI, ES, UK
Obligatory for employers to offer?	Groups of workers	12	AT, BE, CY, FR, GR, IE, IT, LV, LT
	Yes	27	All except DK
Obligatory for employees to attend?	Yes	21	AT, BE, HR, CY, CZ, EE, FI, FR, GR, HU, IE, IT, LV, LT, LU, MT, PL, RO, SK, SI, UK
Financing	Employer	22	BE, BG, HR, CY, CZ, EE, FI, FR, GR, HU, IE, IT, LU, NL, PL, PT, RO, SK, SI, ES, SE, UK
	Other	5	MT, LV, LT, AT, DE

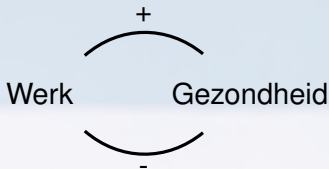
AT, Austria; BE, Belgium; BG, Bulgaria; HR, Croatia; CY, Cyprus; CZ, Czech Republic; DK, Denmark; EE, Estonia; FI, Finland; FR, France; DE, Germany; GR, Greece; HU, Hungary; IE, Ireland; IT, Italy; LV, Latvia; LT, Lithuania; LU, Luxembourg; MT, Malta; NL, Netherlands; PL, Poland; PT, Portugal; RO, Romania; SK, Slovakia; SI, Slovenia; ES, Spain; SE, Sweden; UK, United Kingdom.

Doelstellingen



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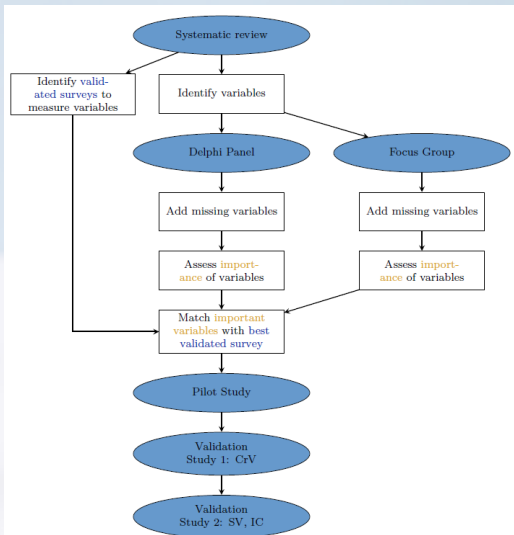
1. Ontwikkeling survey

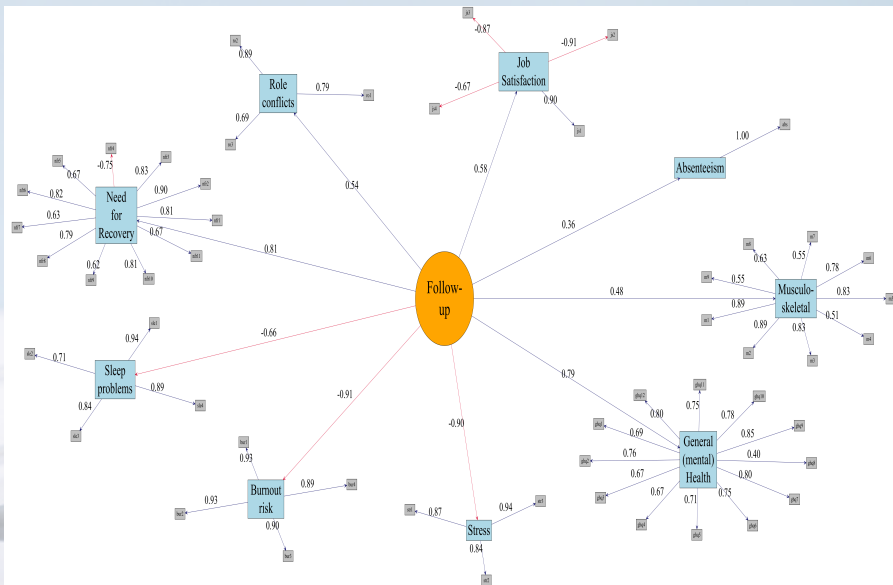


2. Korte termijn effectiviteit van PGB versus gerichte elektronische screening

Ontwikkeling van de survey: 6 stappen

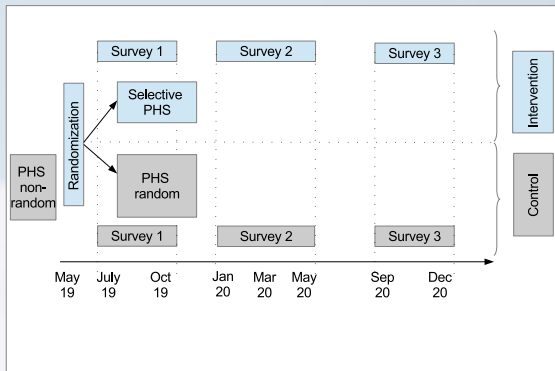
1. Systematic review
2. Delphi
3. Focus Groep
4. Pilot
5. Studie 1: Criterium validiteit
6. Studie 2: Consistentie & structuur





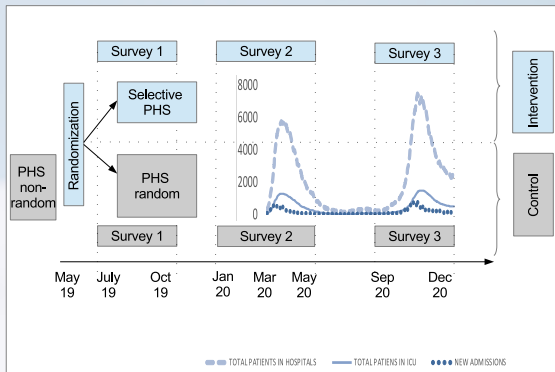
Design

- Vier ziekenhuizen
- 3150 werknemers uitgenodigd
- Drie bevragingen
- Controle vs interventie
- Partiële Randomisatie
- Maatstaven
- Analyse

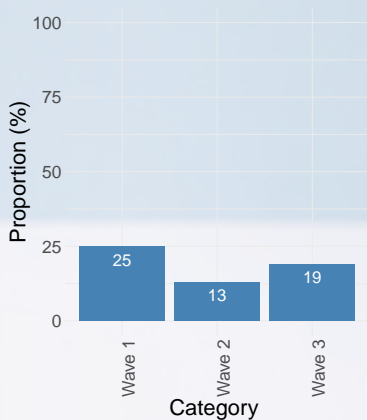
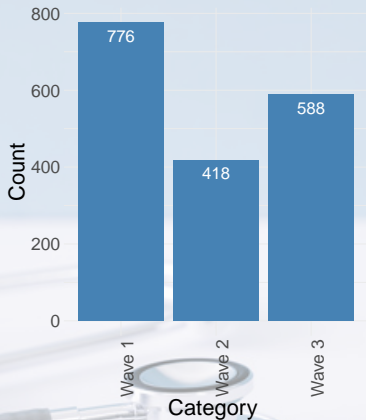


Design

- Vier ziekenhuizen
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- Drie bevragingen
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- Partiële Randomisatie
- Maatstaven
- Analyse
- COVID-19



Participatie, per bevraging



- 208 werknemers vulden alle drie bevragingen in

Samenstelling (gemiddelde overheen bevestigingen)



- 46 jaar \pm 11
- Vrouw (81%)
- Belg (98%)
- Hoger opgeleid (78%)
- Koppel met kind(eren) (65%)
- Medisch personeel (53%)

Resultaten

Gemiddelde/totale effecten

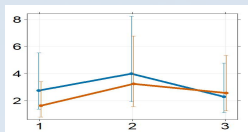
- Geen significante verschillen op merendeel van maatstaven
- Verschillen zijn enkel gemiddeld (vooral gedreven door eerste bevraging)

Interactie-termen

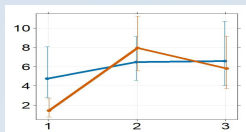
- Verschillen niet langer significant op T2 & T3

Dezelfde trend is zichtbaar in post-hoc analyses

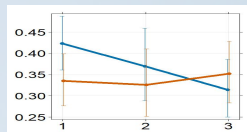
Post-hoc



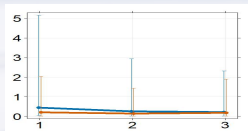
Absenteeism (0-526)



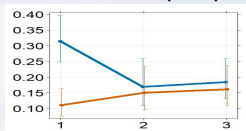
**Absenteeism
last 4 weeks (0-28)**



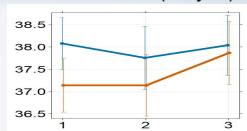
**Work-Related
Consultations (no-yes)**



Referrals (0-5)



**Spontaneous
Consultations (0-5)**

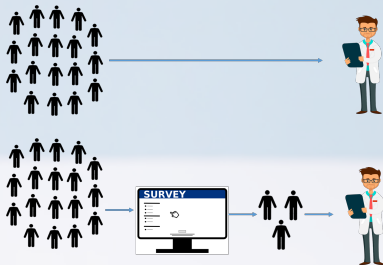


**Trust in Physician
(0-55)**

Predicted effect plots of mixed models, blue=control group, orange=intervention group.
y-axis=predicted effect on outcome scale, x-axis=measurement moment (1,2,3)

Conclusies

1. Ontwikkeling vragenlijst
2. Effectiviteit
 - Onmiddellijke effecten, maar niet langer significant op T2 & T3



Verder onderzoek

- Ontwikkeling survey = ⌚ proces
 - Andere populaties
 - Specifieke risico's toevoegen
 - Validering
- Lange-termijn effecten?
- Kwaliteit randomisatie
- Participatiegraad



Beleidsimplicaties

- Verder onderzoek
 - Survey
 - Effectiviteit
 - Kosten-effectiviteit
 - Equity
- Gebruik gevalideerde survey
- Integreer antwoorden
- Overstappen naar enkel surveys?
- Fysieke consultaties blijven belangrijk

Publicaties



Steel, J. S. [J S], Luyten, J., & Godderis, L. (2021). Development and validation of an occupational health triage tool. *Occupational Medicine*.



Steel, J. (2021). Phd thesis: To be seen, or not to be seen? evaluating periodic occupational health screening.



Steel, J. et al. (2022). Short-term effectiveness of face-to-face periodic occupational health screening versus electronic screening with targeted follow-up: Results from a quasi-randomized controlled trial in four belgian hospitals. *Scandinavian Journal Of Work Environment Health*.



Steel, J., Godderis, L., & Luyten, J. (2017). *Research report: Economic evaluation in occupational health and safety*. Belgische Beroepsvereniging voor Arbeidsgeneesheren.



Steel, J., Godderis, L., & Luyten, J. (2018a). Methodological challenges in the economic evaluation of occupational health and safety programmes. *International journal of environmental research and public health*, 15(11), 2606.



Steel, J., Godderis, L., & Luyten, J. (2018b). Productivity estimation in economic evaluations of occupational health and safety interventions: A systematic review.. *Scand J Work Environ Health*, 44(5).



Steel, J., Godderis, L., & Luyten, J. (2021). Vragenlijst versus fysiek consult bij arbeidsarts. *TBV - Tijdschr Bedrijfs- en Verzekeringsgeneeskde*, 29(9), 21–22.



Steel, J., Luyten, J., & Godderis, L. (2018). *Occupational health: The global evidence and value*. Society of Occupational Medicine (SOM); London.



Steel, J. S. [Jonas Stefaan], Godderis, L., & Luyten, J. (2021). Disclosure in online vs. face-to-face occupational health screenings: A cross-sectional study in belgian hospital employees. *International Journal of Environmental Research and Public Health*, 18(4), 1460.

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