





ODHIN

Optimizing delivery of health care interventions





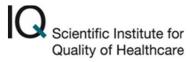


Methods of the ODHIN cluster randomized factorial trial

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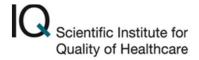




Hypotheses tested:

- The provision of each of training and support, financial reimbursement, and referral to an internet based method of delivering advice (e-Bl) will increase intervention rates compared to non-provision;
- 2. The **combination of** training and support, financial reimbursement, and e-BI in pairs or alltogether will be more effective in increasing intervention rates **compared to single-focused** implementation strategies (training and support, financial reimbursement, and e-BI each alone).







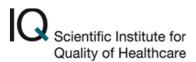




Hypotheses tested:

3. The **provider mix** in the PHCU (doctor, nurse, practice assistant), operationalized by the proportion of providers within a PHCU that were doctors, **will moderate the impact** of training and support, financial reimbursement, and e-BI on intervention rates.







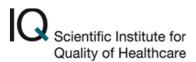




Participants:

- 120 Primary health care units (PHCU) with approximately 5,000-20,000 registered patients
- Providers: any fully trained medical practitioner, nurse or PHCU assistant with a permanent appointment











Implementation strategies

1. Training and support

- Training session 1 (1-2 hours)

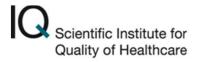
- Support session (10-30 min)

- Training session 2 (1-2 hours)

- Optional: training session 3 (1-2 hours)

Training addressed knowledge, skills, personal attitudes, combining theory and practical exercises









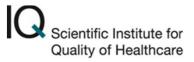


Implementation strategies

2. Financial reimbursement

- Payment for SBI activities
- Rates based on country specifics
- Range:
 - €1.25 €9 for screening (Catalonia max €250 per provider (lump sum))
 - €10 €25 for BI









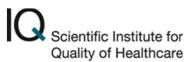


Implementation strategies

3. e-BI

- Refer at-risk patients to an online SBI programme.
- Using a referral leaflet with unique log-in codes







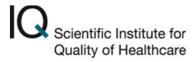




Factorial design

Allocation	Training & Support	Financial reimbursement	BI via internet (e-BI)
1	-		-
2	+	-	-
3	-	+	-
4	-	-	+
5	+	+	-
6	+	-	+
7	-	+	+
8	+	+	+











Outcomes

- Intervention rate (primary outcome)

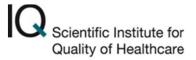
N AUDIT-C positive patients that received a BI N consultations

NB: BI = oral advice, an advice leaflet, referral to the e-BI programme, or referral for advice to another provider in or outside the PHCU

- Screening rate (secondary outcome)

N patients screened N consultations











Outcomes

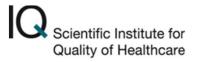
- AUDIT-C positive rate (secondary outcome)

N AUDIT-C positive patients
N patients screened

- Advice rate (secondary outcome)

N patients received BI N AUDIT-C positives











Measurements

T0. 4 week baseline

(4 weeks)

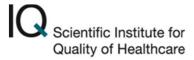
T1. 12 weeks implementation



(6 months)

T2. 4 week follow-up







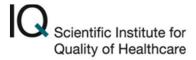




Analyses: factorial design coding

- Coding each factor (T&S; FR; e-BI) as (-1,1)
- Why?
- →Effect of T&S instead of no T&S can not only be estimated from T&S vs control, but also from T&S+FR vs FR, T&S+eBI vs eBI
- Multilevel analysis (PHCU nested within country)











Thank you



"THE WIFE AND I HAVE DECIDED TO NOMINATE OUR WEEKLY DRINK-FREE DAYS AS TOMORROW AND THE DAY AFTER TOMORROW."



