



Securing EU research funding for oral health – a personal experience

Annual Associate Meeting, European Platform for Better Oral Health in Europe

17th September 2018

Helen Whelton, University College Cork, Ireland

**A TRADITION OF
INDEPENDENT
THINKING**



UCC

University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

Previous EU Grants

CACOHIS: Computer Aided Oral Health Information System (FP 2: AIM 1:) 1989

Efficiency in Oral Health Care – The Evaluation of Oral Health Care Systems in Europe FP3: BIOMED 1) 1992-1995

Fluoride Intake from Tooth Paste: FP4: BIOMED 2 1996-1999

EGOHID 1 2003-2005

ADVOCATE Adding Value to Oral Care H 2020 2015-2019

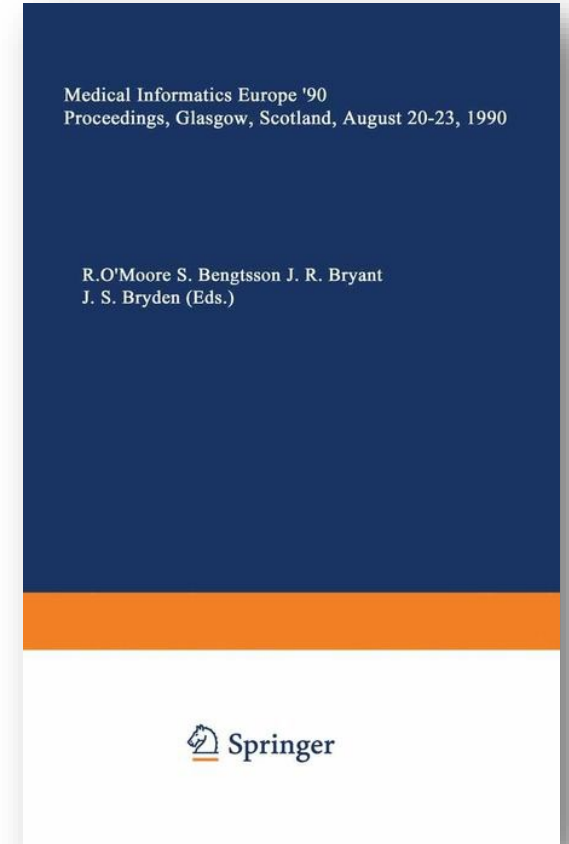
CACOHIS, RoI, UK, France (1989)

Some of the Objectives

Delineates the information requirement
T210, T221.

Establishes a prototype for direct data entry of
oral health data

It facilitates the development of a framework for
the measurement of tangible inputs and how
these inputs can maximize health outcomes by
facilitating change at the key interphases T310.



Efficiency in Oral Health; The Evaluation of Oral Health Care Systems in Europe FP3 BIOMED 1, 1992-5

Ireland
Denmark
England & Wales
France
Netherlands
Spain
Germany



EU FP4 BIOMED 2 FLINT study

Fluoride ingestion from toothpaste 1996-1999

Toothpaste Ingestion by
Infants and Young Children
in Europe



EGOHID 1, EU Programme of Community Action in the field of public health (1997-2002)

- European Global Oral Health Indicators Development Project: Denis Bourgeois University Lyon
- Support EU member states in their efforts to reduce the toll of disability related to oral disease. Aim was to identify indicators of oral health
- Selected essential indicators of oral health in Europe

NUTRIDENT 2006-9

Towards functional foods for oral health care- isolation, identification and evaluation of beverage and food companies with anti-caries and anti-gingivitis activities (FP6 Food)

- Michael Wilson, UCL
- UCL, Universities of Pavia, Tel Aviv, Genoa, Göteborg, Verona, ACTA, Givaudan UK Ltd., Glycologic Ltd., Royal Botanic Gardens, Kew.



nutrident
towards functional foods



Project no. 36210
Project acronym: NUTRIDENT

Project title:
Towards functional foods for oral healthcare, isolation, identification and evaluation of beverage and food components with anti-caries and/or anti-gingivitis activities.

Instrument: specific targeted research or innovation project
Thematic Priority: T5.4.3.2 Food quality and safety

Final Publishable Activity Report

Period covered: from 1st October 2006 to 30th June 2010

Date of preparation: July 2010

Start date of project: 1st October 2006
Duration: 45 months

Project coordinator name: Michael Wilson
Project coordination organization: University College London

DentCPD: 2010-2012

- DentCPD Harmonisation and Standardisation of European Dental Schools Programs of Continuing Professional Development for Graduate Dentists (75% ERASMUS):
- Initiated by ADEE: Jonathan Cowpe, Cardiff University, Aims to identify agreed essential CPD requirements of an EU dentist and provide guidelines for the management and delivery of high quality CPD by European dental schools
- Cardiff, Athens, Helsinki, ACTA, Rigas, ADEE

European Union Horizon 2020



- New European Union programme for research and innovation for 2014-2020
- €80 billion
- Three mutually reinforcing and complementary priorities:
 - Excellent Science
 - Industrial Leadership
 - Societal Challenges

PHC 23 – 2014: Developing and comparing new models for safe and efficient, prevention oriented health and care systems



Scope:

Proposals should develop **new, or improve on existing, models for health systems**, in order to make these systems more patient-centred, prevention oriented, efficient, resilient to crises, safe and sustainable.

STANDARD AWARD CRITERIA

EXCELLENCE

IMPACT

QUALITY &
EFFICIENCY
OF THE ACTION

Oral Health Services in Europe



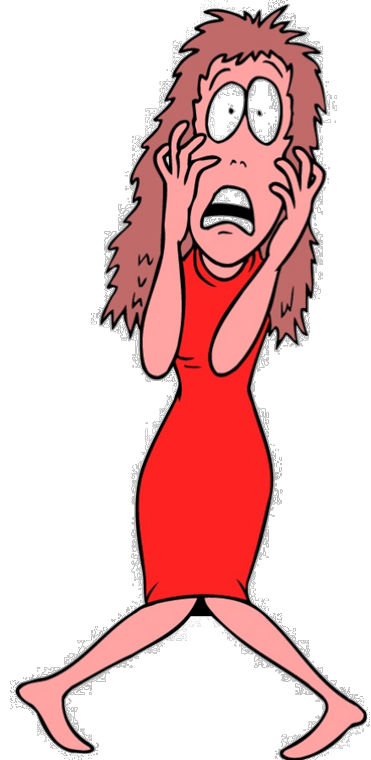
- What can we learn from diversity of systems?
- Can we use data to motivate disease prevention and creation of health?
- Lessons for general health care systems?



The application



- Two phase application: 10 day lead in to first deadline in February
- 'All nighters'
- Life on Skype
- Heard in June we were selected for full application, due in August
- 'The lost Summer' – IADR Cape Town
- Management consultants PWC
- Recruitment of partners and collaborators, academia, insurers, OH Care, SME
- Development of ideas
- Redrafting, redrafting, redrafting
- Budget



The 'ADVOCATEs'





ADVOCATE – an international initiative to add value to oral care through the derivation of knowledge from big data

Project PIs: Helen Whelton, Stefan Listl, Geert van der Heijden

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION



HORIZON 2020



Added Value for Oral Care **The ADVOCATE project**

**Developing and comparing new
models for safe and efficient,
prevention oriented and patient
centred health care systems**

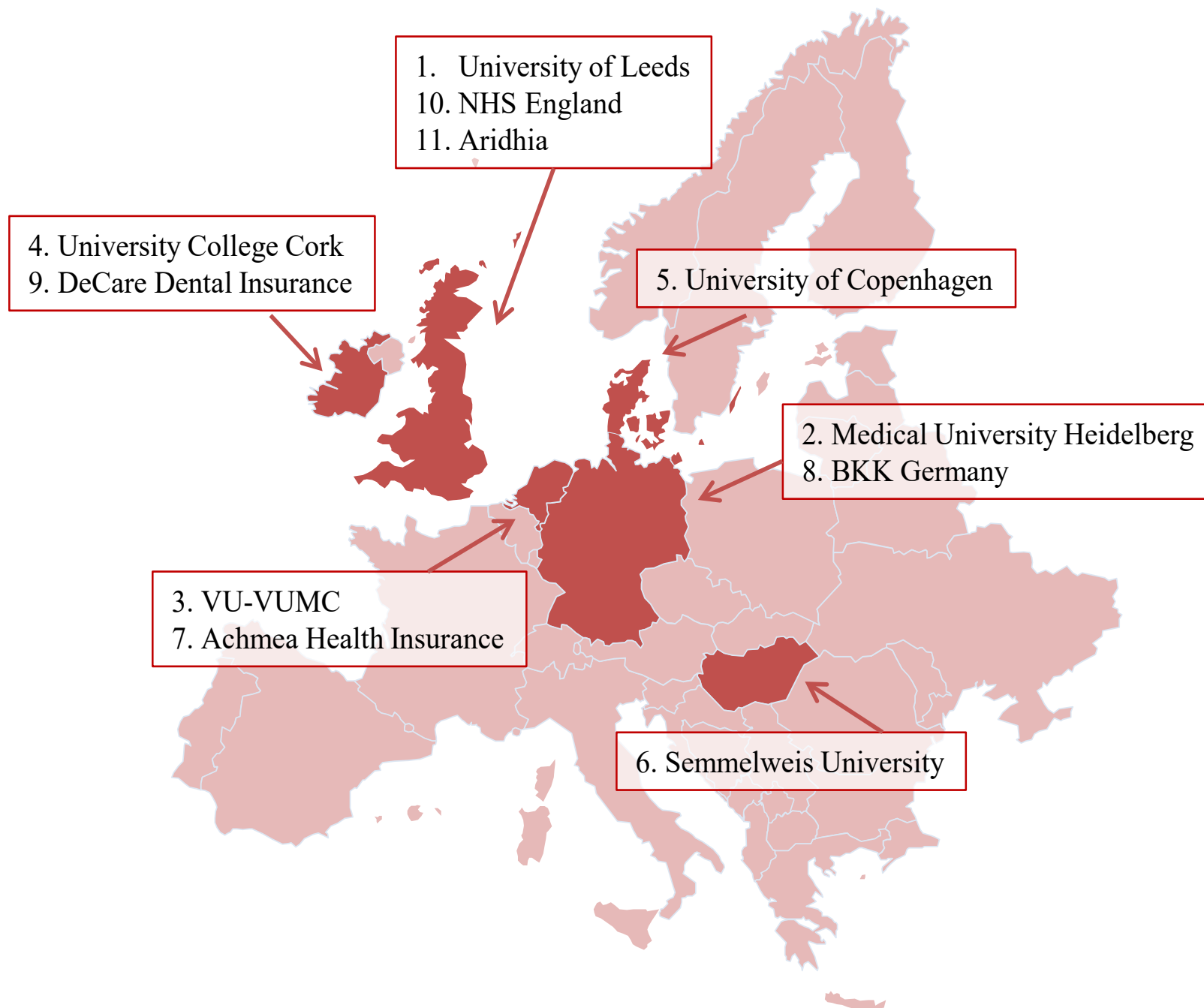
Mission & Objectives



ADVOCATE will *establish an innovative evidence-informed oral health care model* which is patient-centred **prevention-oriented** and delivers safe and efficient care

The ADVOCATE *oral health care model 2020*

- ***Optimise** added value for oral health care to society*
- *Maximising population wellbeing given available resources*
- ***Align incentives** to extract better performance in the **production of health** and health care*
- *Increase **efficiency** in health care*



Development of oral health care model 2020



- Variation among different systems
- Most effective and efficient system design to extrinsically motivate disease prevention
- Harmonised indicators of success in the prevention of disease and avoidance of unnecessary treatment in a benchmarking dashboard - intrinsic motivation

Development of oral health care model 2020



- Assess the effectiveness of this approach within practice-based research networks (PBRN)
- Provide evidence-informed guidance to policy- and decision makers for improved health systems planning by demonstrating the advantage and feasibility of routinely collecting key clinical and patient-centred health outcome information

Valid, important and relevant measures for Oral Health and Oral Health Care



Goal: Set of agreed indicators for measurement within routine oral health and care data:

Stakeholders: General dental practitioners, patients, insurers, and policy makers

Countries: Denmark, Germany,, Ireland, Hungary, Netherlands, United Kingdom

Numerators and denominators defined.

A Consensus-Based Set of Measures for Oral Health Care Baâdoudi F, et al., J Dent Res. 2017, Vol. 96(8) 881 –887

Led by van der Heijden and Listl

Meta data Resource (Led by Listl)

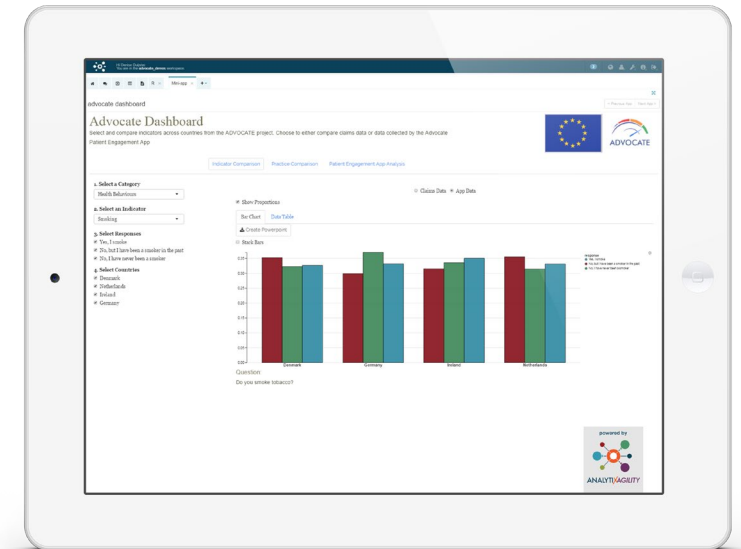
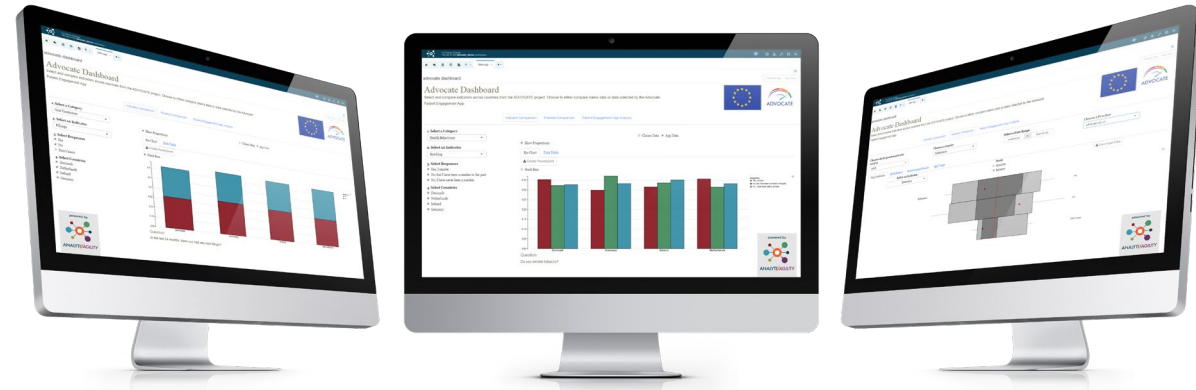


Claims Data

- Agreements with data owners
 - Acquisition of claims data or guiding of analysis
 - Data management and processing
 - Harmonisation of data
 - Data input to dashboard
-
- Identification of historical policy changes within systems
 - Analysis of impact of policy change on oral health indicators

Technology

A Patient Engagement **application** (app) developed to allow patients to be surveyed for their opinion.



Advocate Dashboard

Select and compare indicators across countries from the ADVOCATE project. Choose to either compare claims data or data collected by the Advocate Patient Engagement App



Patient Engagement App - Adult Questionnaire

Patient Engagement App - Child Questionnaire

Claims Data

Dashboard

Indicator Comparison

Practice Comparison

Questionnaire Analysis

App Usage

Filter Data

Choose Practice

GDP26

☐ All Indicators☒ Single Category☐ Single Indicator

Select a Category

Access to Dental Care

Scale

☐ Absolute☒ Relative

Min. 25th %tile Country Median 75th %tile Max.

-40% -30% -20% -10% 0% 10% 20% 30% 40%

Reason for dental visit

New symptoms / unplanned treatment
Planned check-up
Planned treatment (for example a filling)
Planned preventative treatment (for example a cleaning)
Trauma / Emergency treatment
Other

Referrals

Hygienist
Periodontologist (problem with disease)
Root canal specialists
Orthodontist
Other
None of the above

Funding of dental care provided

Completely by National Health Service
Partially by the NHS
Completely by myself
Private insurance scheme

Interval of dental check-ups by a dentist

Every 3 months
Every 6 months
Every 9 months
Every 12 months
Irregularly

Denmark

Germany

Netherlands

All

Advocate Dashboard

Select and compare indicators across countries from the ADVOCATE project. Choose to either compare claims data or data collected by the Advocate Patient Engagement App



Patient Engagement App - Adult Questionnaire

Patient Engagement App - Child Questionnaire

Claims Data

Dashboard

Indicator Comparison

Practice Comparison

Questionnaire Analysis

App Usage

Filter Data

1. Select a Category

Oral Prevention

2. Select an Indicator

Fluoride application

3. Choose a Group

Age Band

4. Select Groups

- ☒ <30
- ☒ 30-39
- ☒ 40-49
- ☒ 50-59
- ☒ 60-69
- ☒ 70-79
- ☒ 80+

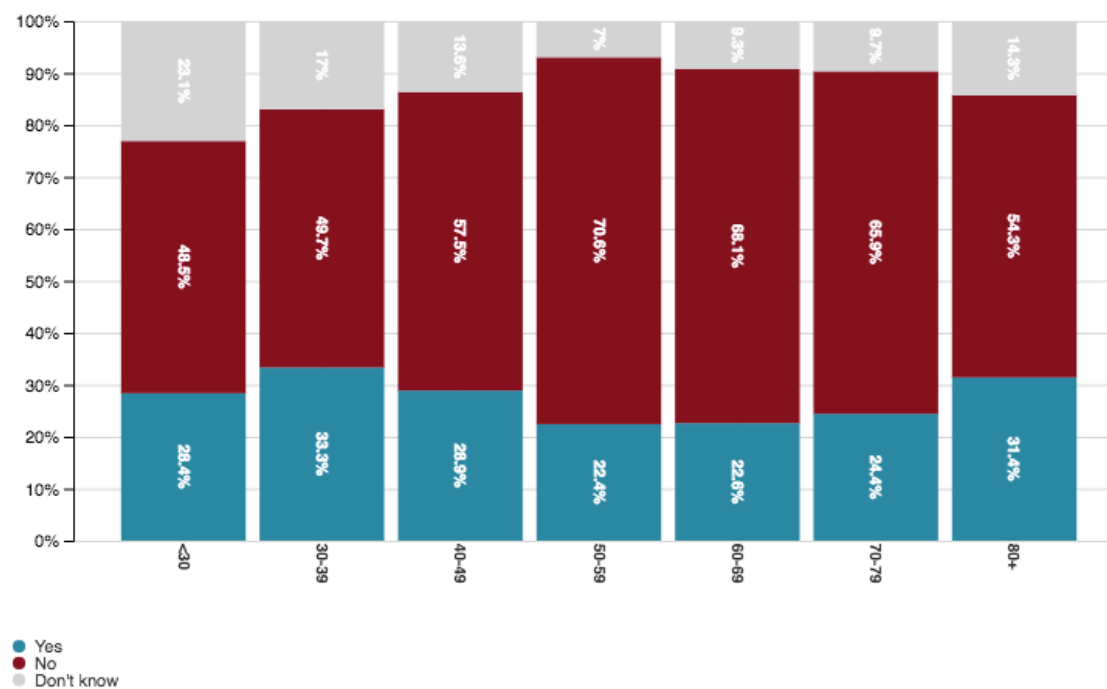
5. Select Responses

- ☒ Yes
- ☒ No
- ☒ Don't know

Question: In the last 24 months, have you had a fluoride treatment put onto your teeth?

Plot

Data Table



Denmark

Germany

Netherlands

All

Advocate Dashboard

Select and compare indicators across countries from the ADVOCATE project. Choose to either compare claims data or data collected by the Advocate Patient Engagement App



Patient Engagement App - Adult Questionnaire

Patient Engagement App - Child Questionnaire

Claims Data

Select Indicator

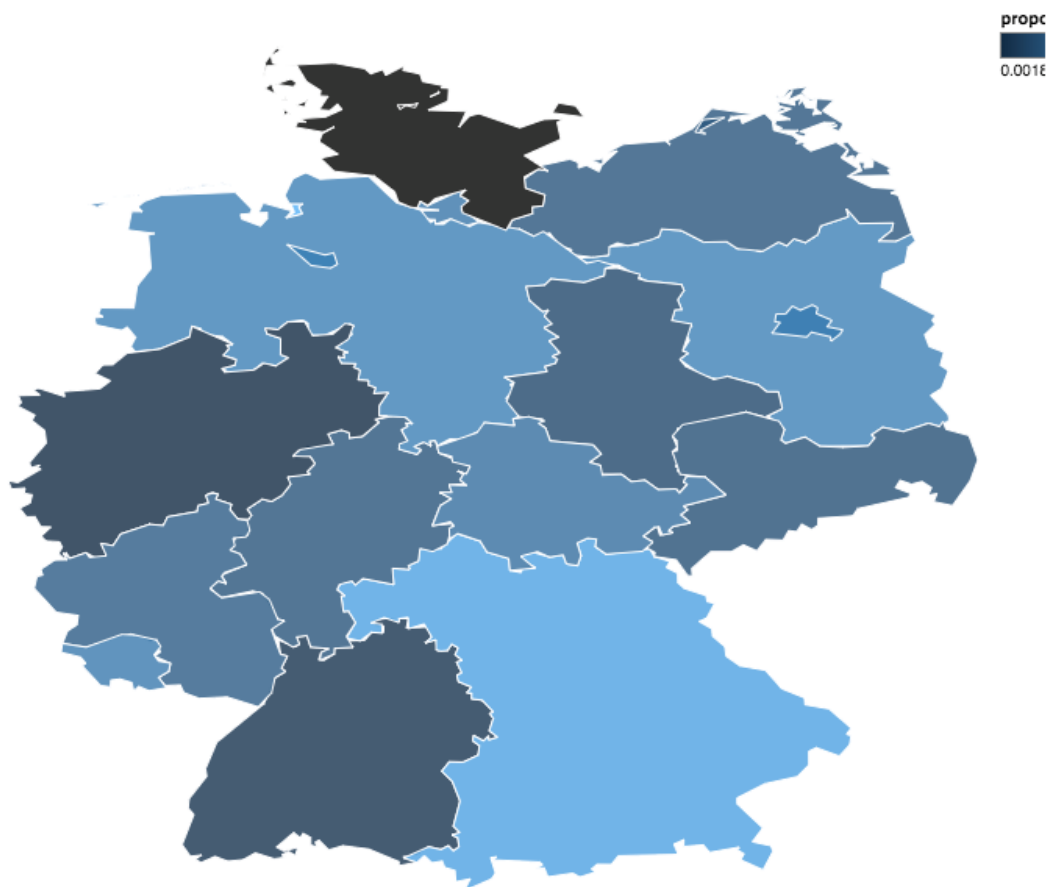
Oral hygiene advice

Select Region

National

Search:

Region	Patients	Eligible Patients	Percentage
Germany	941	5116	0.18
Baden-Wuerttemberg	933	5103	0.18
Hamburg	1019	4967	0.2
Hesse	1001	5166	0.19
Bremen	1114	4950	0.23
Saxony	977	5079	0.19
Brandenburg	1063	5092	0.2
Thuringia	1032	5095	0.2
Saarland	1016	4922	0.2
Rhineland-Palatinate	1070	4977	0.21



Evaluate impact of ADVOCATE ecosystem

Patient oriented preventive oral health care

Quality improvement project: optimising oral health care
(Led by van der Heijden)



Pragmatic field studies

- Proof of principle & practice
 - Shared learning in mixed groups (not with your 'usual suspects' only)
 - Quality Improvement Groups (QIG)
 - Communities of Practice (CoP)
 - Practice-Based Research Networks (PBRN)
 - Moderated and supervised by ADVOCATE stewards
- Monitor process & outcomes of provided oral care
 - Continuous is neither feasible nor realistic
 - Monthly, quarterly (depends on scale & magnitude)

Added Value in Oral Care



Restorative to Preventive Paradigm

Impacts of ADVOCATE: four stages

Individual patient to European level



Oral health related impacts

- Oral health improvement
- Economic benefits

01



02

03

04



Innovative stakeholder engagement

- Patient Engagement
- More responsive providers

Novel meta-data framework

- New standards for big data analysis
- Establish the data infrastructure to inform decisions
- Evidence informed smart responsive system
- Raising awareness of the value of big data in health care planning

Blue-print health care model 2020

- Template for general health
- Impact on EU Innovation Potential

Developing the grant



- Networking, role of IADR
- Skype
- Energy
- PWC? – Cost
- <4% Success Rate
- Can be best delivered at EU level
- EU benefit
- Industry involvement
- State of the art, Good Science
- Achievable

Evaluation

- Become an evaluator
- Pitch to non-expert but have robust methods
- Unlikely to have the expert specific for area but will have general methodological expertise



RESEARCH & INNOVATION

Participant Portal

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Internal Security Fund - Police

Justice Programme

Pilot Projects & Preparatory Actions

Promotion of Agricultural Products

- Participant Portal Services may be experiencing issues with accessing and uploading of documents
 - on Saturday, 15.09.2018 between 08:00 and 13:10 CET
 - on Monday, 17.09.2018, between 07:45 and 08:10 CET
- The Identity, Bank Account, Contracts and Payments functionalities in the Experts Area of the Participants Portal, will be unavailable on Monday, 17.09.2018, between 07:45 and 08:10 CET.

We apologise for any inconvenience this may cause.



Funding Opportunities

H2020 ONLINE MANUAL

Find the European Union funding opportunities and search for new or closed calls of the programmes described on this page.

See the full list of the Commission funding programmes.




Horizon 2020

Horizon 2020 is the new EU funding programme for research and innovation running from 2014 to 2020 with a €80 billion budget. H2020 supports SMEs with a new instrument that runs throughout various funded research and innovation fields, enhances EU international research and Third Country participation, attaches high importance to integrate social sciences and humanities encourages to develop a gender dimension in project.

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/index.html>

ec.europa.eu

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Justice Programme

Pilot Projects & Preparatory Actions

Promotion of Agricultural Products

TOPIC : ERC Starting Grant

Topic identifier: ERC-2019-STG

Publication date: 07 September 2018


Types of action: ERC-STG Starting Grant

DeadlineModel: single-stage

Opening date: 10 September 2018

Deadline: 17 October 2018 17:00:00

Time Zone : (Brussels time)

Horizon 2020
Pillar: Excellent Science
Work Programme Year: ERC-2019
Work Programme Part: [ERC-2019](#)
Call : [ERC-2019-STG](#)

[H2020 website](#)
[Call budget overview](#)

Topic Description

Scope:

Objectives

ERC Starting Grants are designed to support excellent Principal Investigators at the career stage at which they are starting their own independent research team or programme. Applicant Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal.

Size of ERC Starting Grants

Starting Grants may be awarded up to a maximum of **EUR 1 500 000** for a period of **5 years** (The maximum award is reduced pro rata temporis for projects of a shorter duration. This does not apply to ongoing projects).

The ERC awards (deadline mid-Oct)

- science, scholarship and engineering.
- proposals of a multi- or interdisciplinary nature which cross the boundaries between different fields of research, pioneering proposals addressing new and emerging fields of research or proposals introducing unconventional, innovative approaches and scientific inventions
- independent researchers of any age and career stage can apply for attractive long-term funding
- flexible, long-term funding for a period of up to five years

ec.europa.eu

Calls - Research Participant Portal Health Programme DataBase - European Commission Chafea - Consumers, Health, Agriculture and Food Executive Agency...

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Consumers, Health, Agriculture and Food Executive Agency

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Consumer Programme

Better Training for Safer Food

Promotion of agricultural products

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Managing grant agreements & contracts

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THIRD HEALTH PROGRAMME

NEW 2018 call for proposals for projects now published

Deadline for submission: 13 September 2018

NEWS AND EVENTS

10 Septembre 2018

 [INHSU symposium for Health Programme actions addressing Hepatitis C](#)

The 7th International symposium on Hepatitis Care in Substance Users will be held in Cascais, Portugal on 19-21 September 2018

[Read more](#)

6 Septembre 2018

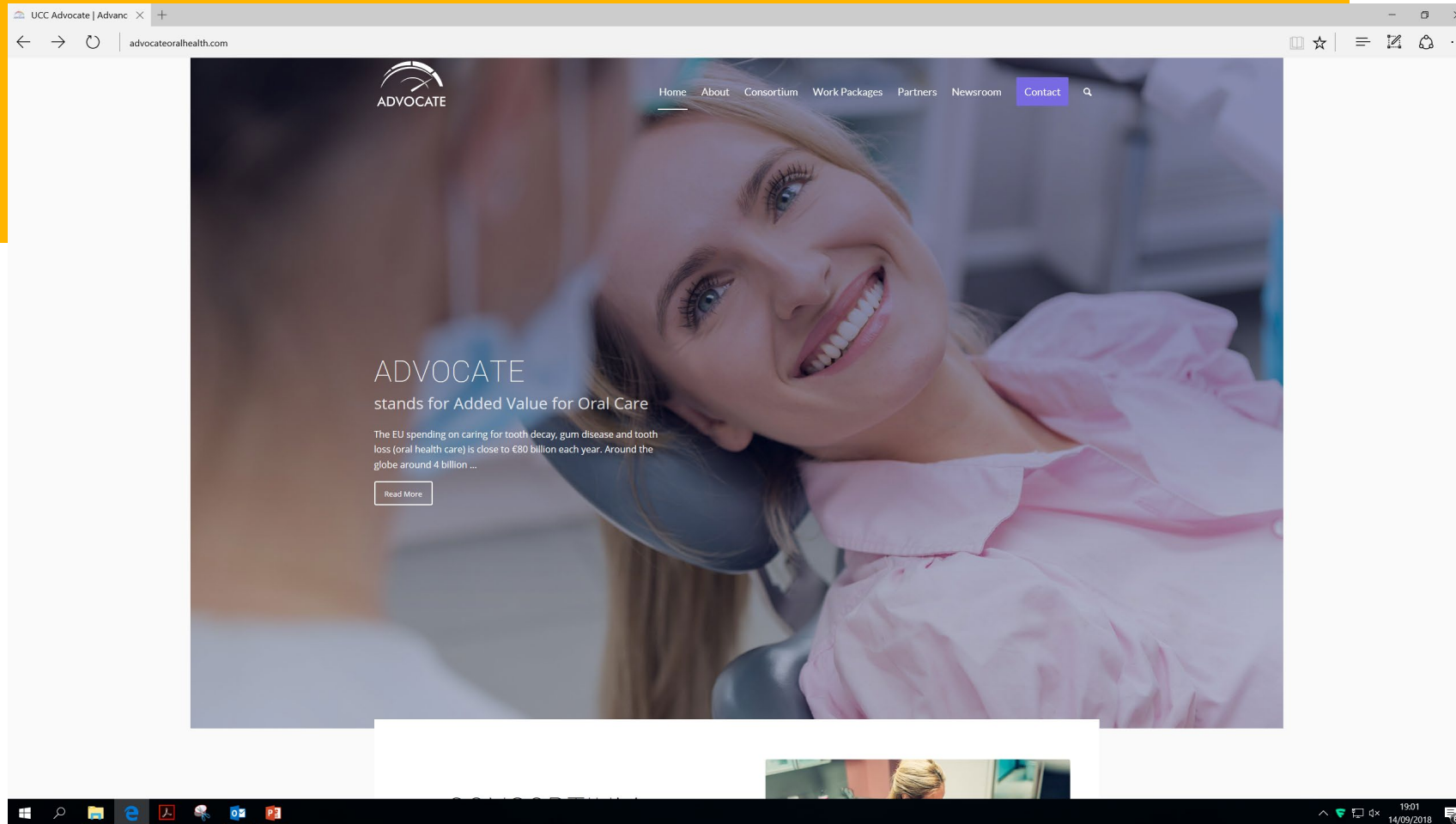
 [Open Call for Tender Health Programme](#)

Call for tender n° Chafea/2018/Health/10 concerning the EU dimension of alcohol related harm – piloting brief interventions to reduce the risk of FAS/FASD (Fetal Alcohol Syndrome / Fetal Alcohol

CALLS

Health Programme

Advocateoralhealth.com



Thank You

Helen Whelton
h.whelton@ucc.ie

