



EVIDENCE-INFORMED DECISION-MAKING IN HEALTHCARE MANAGEMENT IN SLOVENIA

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MANY EXAMPLES OF HIGH QUALITY PATIENT CARE

LJUBHOSPIC
HVALEŽNI ZA ŽIVLJENJE

Slovensko društvo
hospic

Slovenian Hospice Association

Inštitut
Antona Trstenjaka



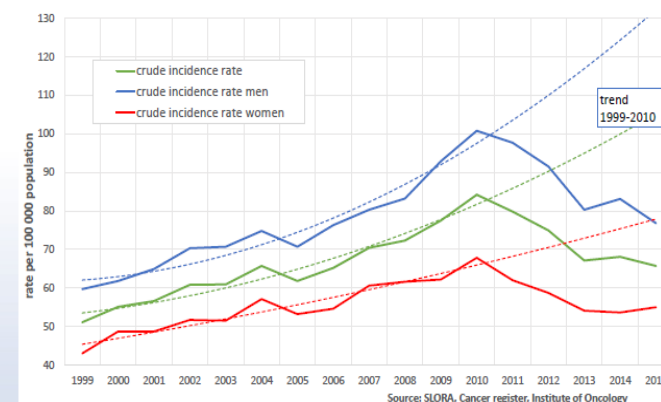
Skupnost socialnih
zavodov Slovenije

E-care
Service



Svit

COLORECTAL CANCER INCIDENCE IN SLOVENIA



NIJZ
National Institute
of Public Health

Svit

ENVIRONMENTAL PROTECTION

univerzitetni klinični center ljubljana
University Medical Centre Ljubljana
Occupational Safety and Health Service

univerzitetni
klinični center ljubljana
University Medical Centre Ljubljana



NIJZ
Nacionalni inštitut
za javno zdravje

NATIONAL PROGRAMME ON
PREVENTIVE HEALTHCARE
HEALTH PROMOTION CENTRES

FOUR EXAMPLES OF EXCELLENCE IN EVIDENCE BASED DECISION MAKING

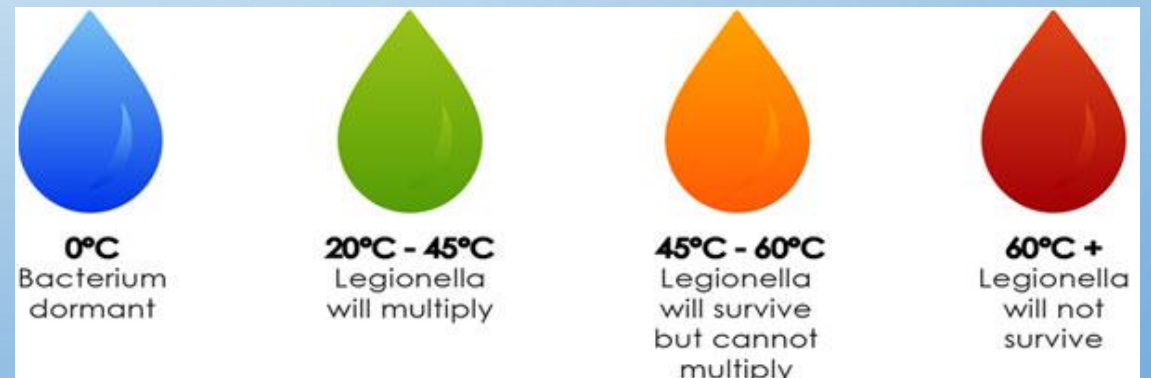
- In-house trials, or novel research and partnerships
- Research, data and information leading to action
- Implementation reinforces and expands the benefits in trial
- **Locations-**



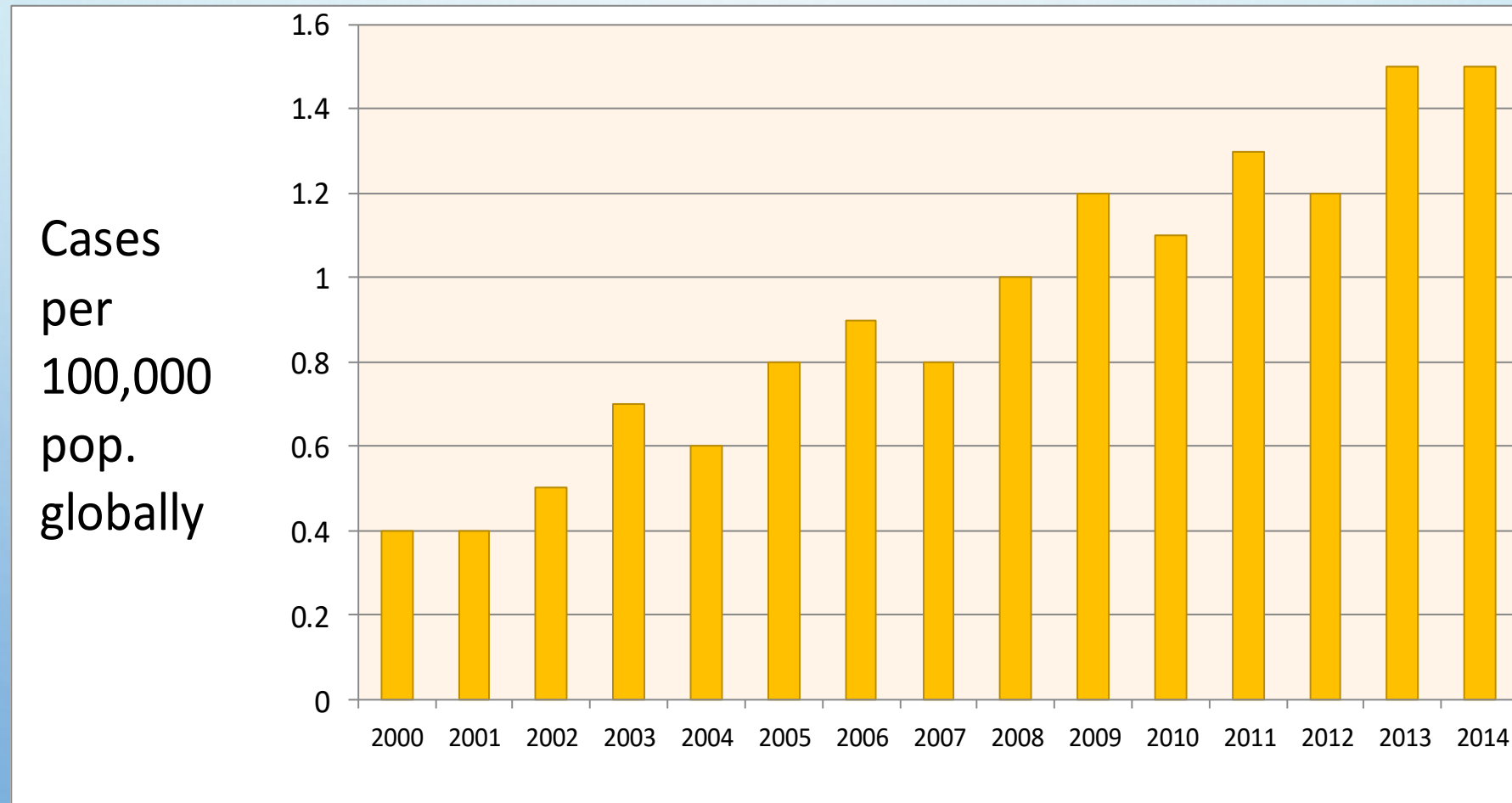
- 1) University Medical Centre Ljubljana (UMCL) Technical Services Dept; **Legionnaire's Disease prevention**
- 2) UMCL Emergency Response; **e-devices improving major emergency response**
- 3) Psychiatric Hospital Idrja (and Fuzine Nursing Home); **community integrated mental health and dementia care**
- 4) UMCL Department of Neurology; **early diagnosis of Alzheimer's Disease**

1. PREVENTION OF HOSPITAL BORNE INFECTION – LEGIONELLA CONTROL

- Legionnaire's Disease is an infection of the respiratory system
- Potentially fatal to people who are immunocompromised, elderly, diabetic, COPD, CVD
- Susceptibility > tobacco use and > alcohol use
- Exists naturally in the environment and propagates in stagnant water
- Air borne vectors



GROWING GLOBAL PROBLEM & A MAJOR THREAT TO HEALTHCARE ORGANISATIONS!



THREE POSSIBLE APPROACHES

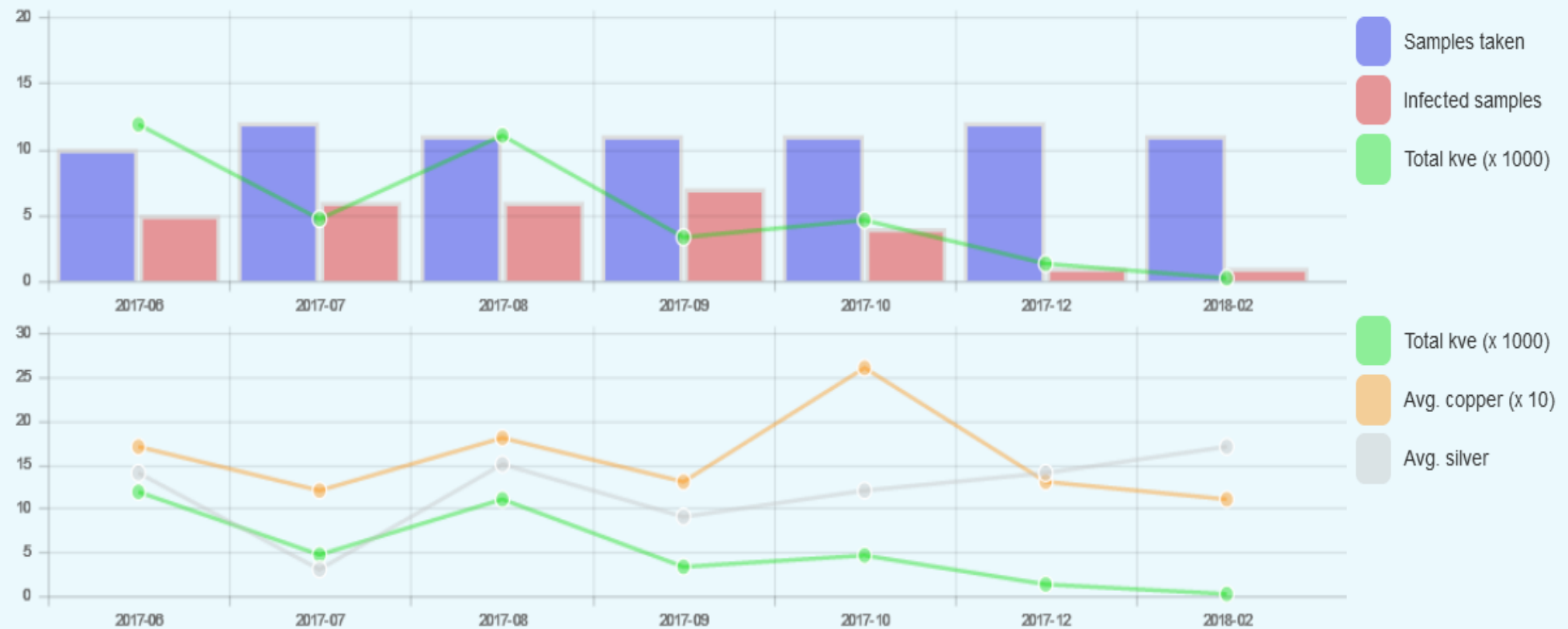
- 1) Point of use solutions
- 2) Point of entry solutions
- 3) Systemic / whole system treatment, e.g., complex water distribution systems such as hospitals, colleges, hotels**

EVIDENCE BASED ACTION – UMCL TRIAL

- Literature review revealed copper-silver ionisation as best theoretical solution
- 2 buildings in UMC Ljubljana selected where legionella bacteria were present in high counts
- June 2017 trial system installed at drinking water intake
- Samples taken from several problem locations every 5 weeks
- Large reduction in Legionella count in first month
- Transient spike in mid trial due to breakdown and release of biofilm in the pipework
- **February 2018 just one sample point scored only 200 CFU/1000 mL**
- **Final sampling yielded bacteria counts at or near zero**
- **2019 expansion to solve specific problem areas to improve drinking water safety**

RESULTS

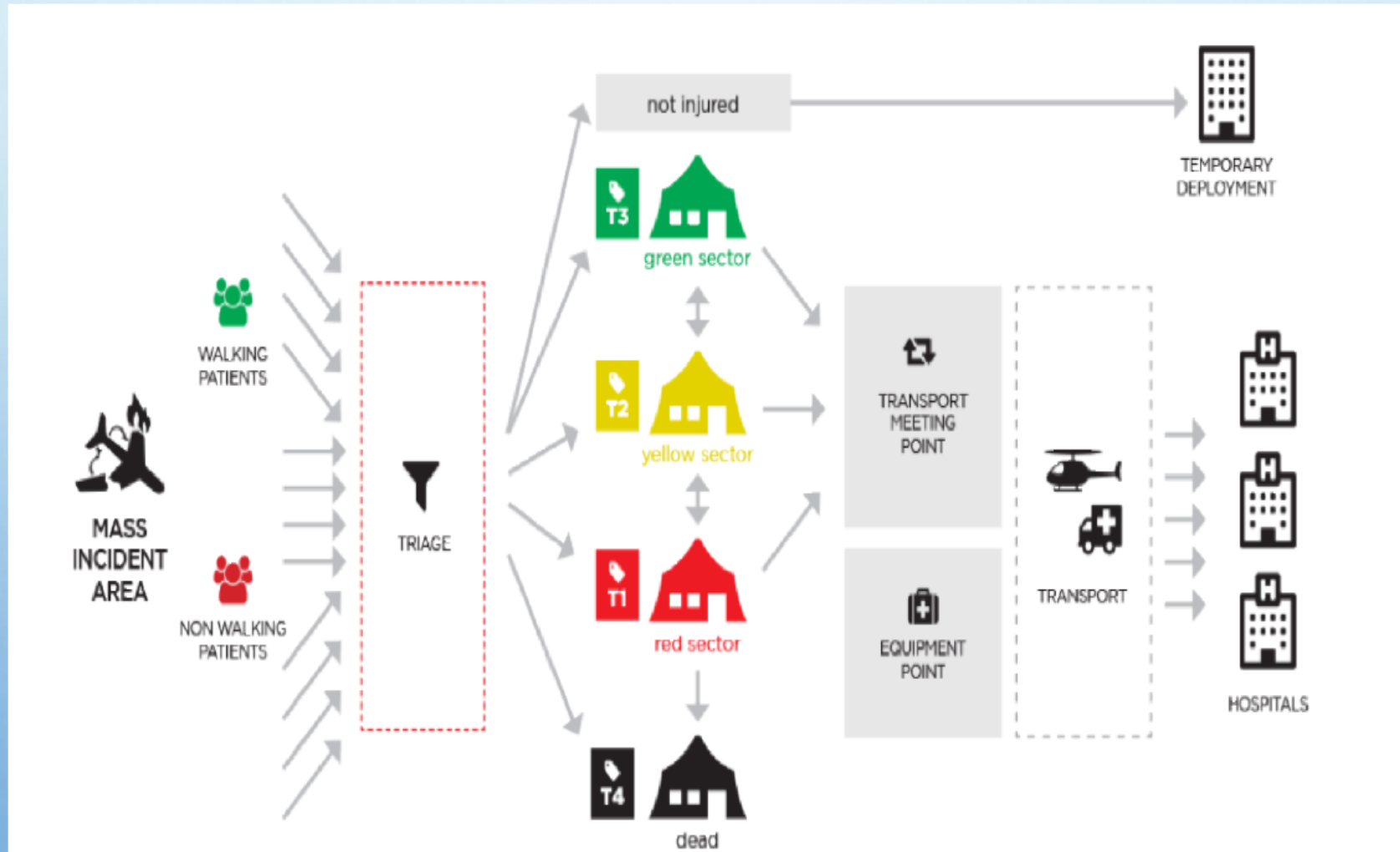
Legionella progress



2. IMPROVING MAJOR EMERGENCY EVENT OUTCOMES BY DEPLOYING REAL-TIME E-DEVICES

- TRADITIONAL PAPER BASED RECORDS –
 - single copy
 - interpretation error
 - not real time
- VOICE COMMUNICATION –
 - non-visual
 - interpretation error
 - transient

ACCURATE REAL-TIME DATA AVAILABLE AT EVERY LOCATION IN THE FIELD OF OPERATIONS





CREADO CON LA VERSIÓN DE PRUEBA
DE MOVAVI VIDEO EDITOR



3. COMMUNITY INTEGRATED MENTAL HEALTHCARE IDRIJA (& FUZINE)



Working together for the benefit of a patient and his family



Patients;

- 369 participants

Team;

- Psychiatrist
- Psychologist x2
- Nurse x2
- Social Worker
- Occ Therapist

RESULTS

The average number
of hospitalizations
per patient
decreased to below
15%

More independent
lifestyle

Increased life
satisfaction

Reduction of
psychopathology
indicators

Patients are satisfied
with the delivery of
care in their home

4. DEPARTMENT OF NEUROLOGY – EARLY DIAGNOSIS & TREATMENT OF DEMENTIA



“Models of Patient Engagement for Alzheimer's Disease”

Research conducted and evidence gathered across partner organisations in Slovenia, Spain, Germany, Netherlands, and Sweden

MOPEAD;

In clinical practice, the diagnosis of Alzheimer's disease (AD) is still occurring late in the disease process. This creates a barrier to access available treatments and support services, as well as the opportunity to enrol in clinical trials at early stages of the disease.

Aims to respond to the urgency of finding interventions to halt AD by stimulating a faster recruitment of patients into clinical trials.

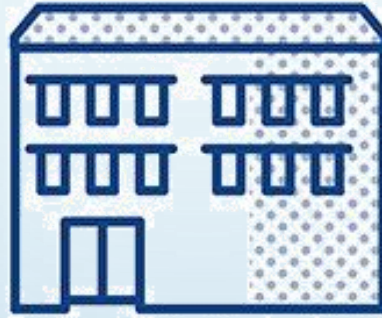
HOW TO TARGET ALZHEIMER DISEASE THERAPIES?

- ALZHEIMER'S DISEASE IS PROGRESSIVE OVER A LONG PERIOD OF TIME, 4 TO 8, EVEN 20 YEARS
- CURRENT, IN-DEVELOPMENT AND FUTURE THERAPIES TARGET DIFFERENT DISEASE STAGES ESPECIALLY EARLY STAGE
- VARIOUS STAGING CATEGORISATIONS BUT BROADLY THREE;
(*SUB-CLINICAL*)
 1. MILD (EARLY)
 2. MODERATE (MIDDLE)
 3. SEVERE (LATE)

FOUR DIAGNOSTIC MODELS DEVELOPED



1 Neuropsychological **online test**.



2 Neuropsychological **test** conducted at a **memory clinic**.



3 Neuropsychological **test** carried out by **general practitioners**.



4 Neuropsychological **test** given to **patients** diagnosed with **type 2 diabetes**.

MOPEAD

Mind your memory, mind yourself

*ADD LIFE TO YOUR DAYS, NOT JUST
DAYS TO YOUR LIFE!*

SO LET US LIVE WITH

