



Community Medicine Nurses

GP-Support in rural regions in Germany

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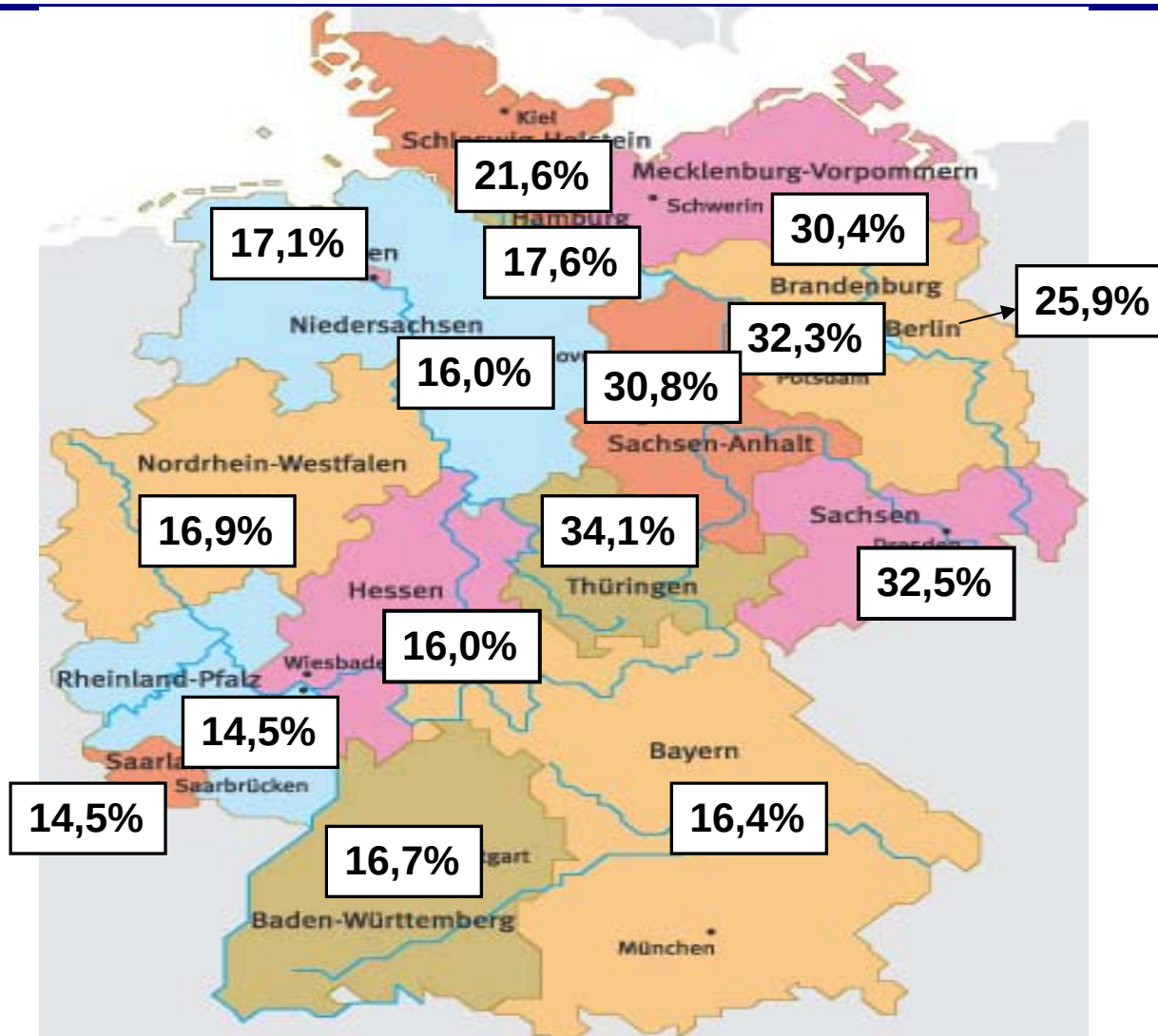
Innovative Service Delivery: Meeting the Challenges of Rural Regions
OECD / BMELV, Cologne, 3.4.2008

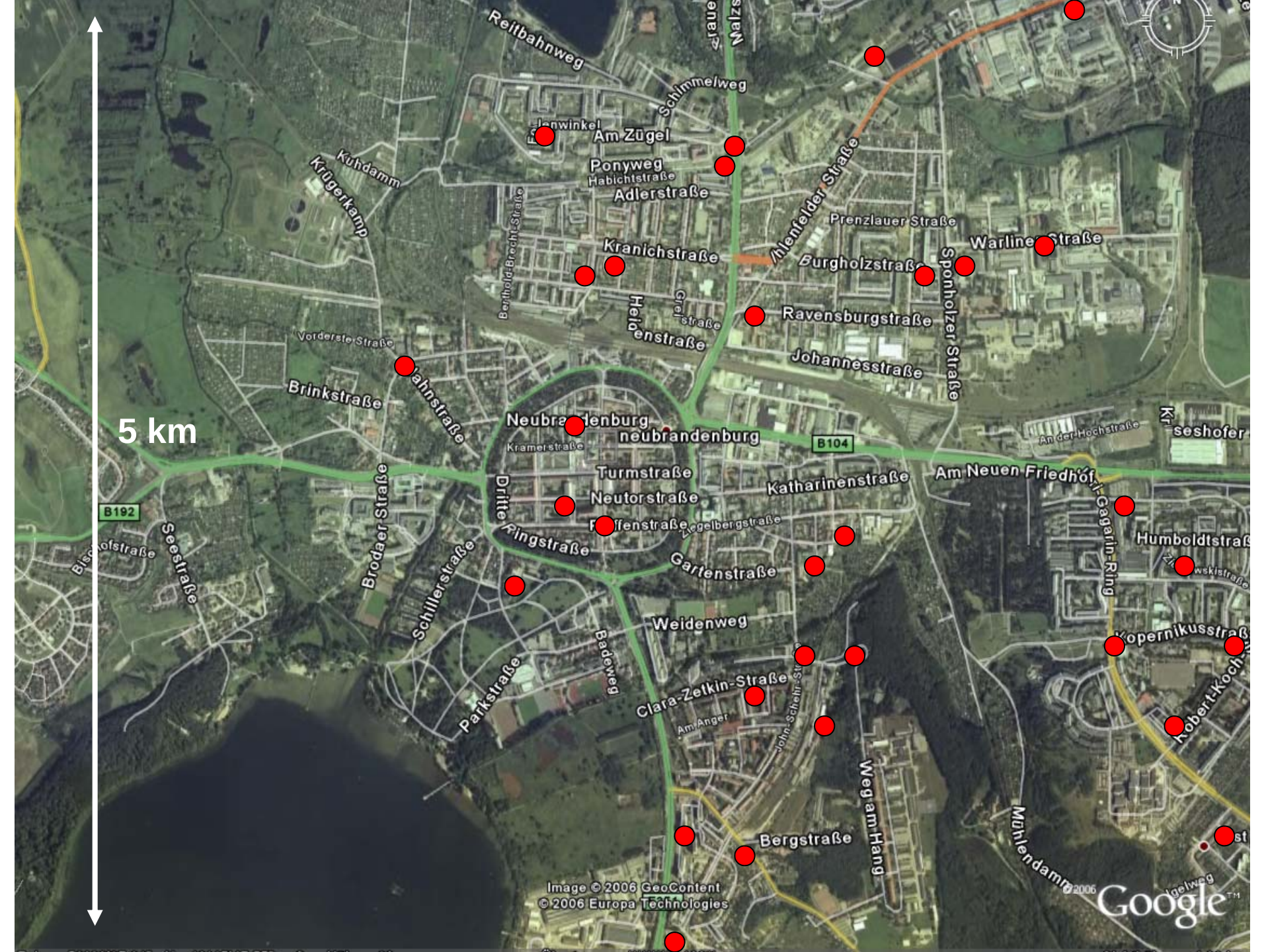
Prognosis of the number of cases of some age-specific diseases in Mecklenburg-West Pomerania

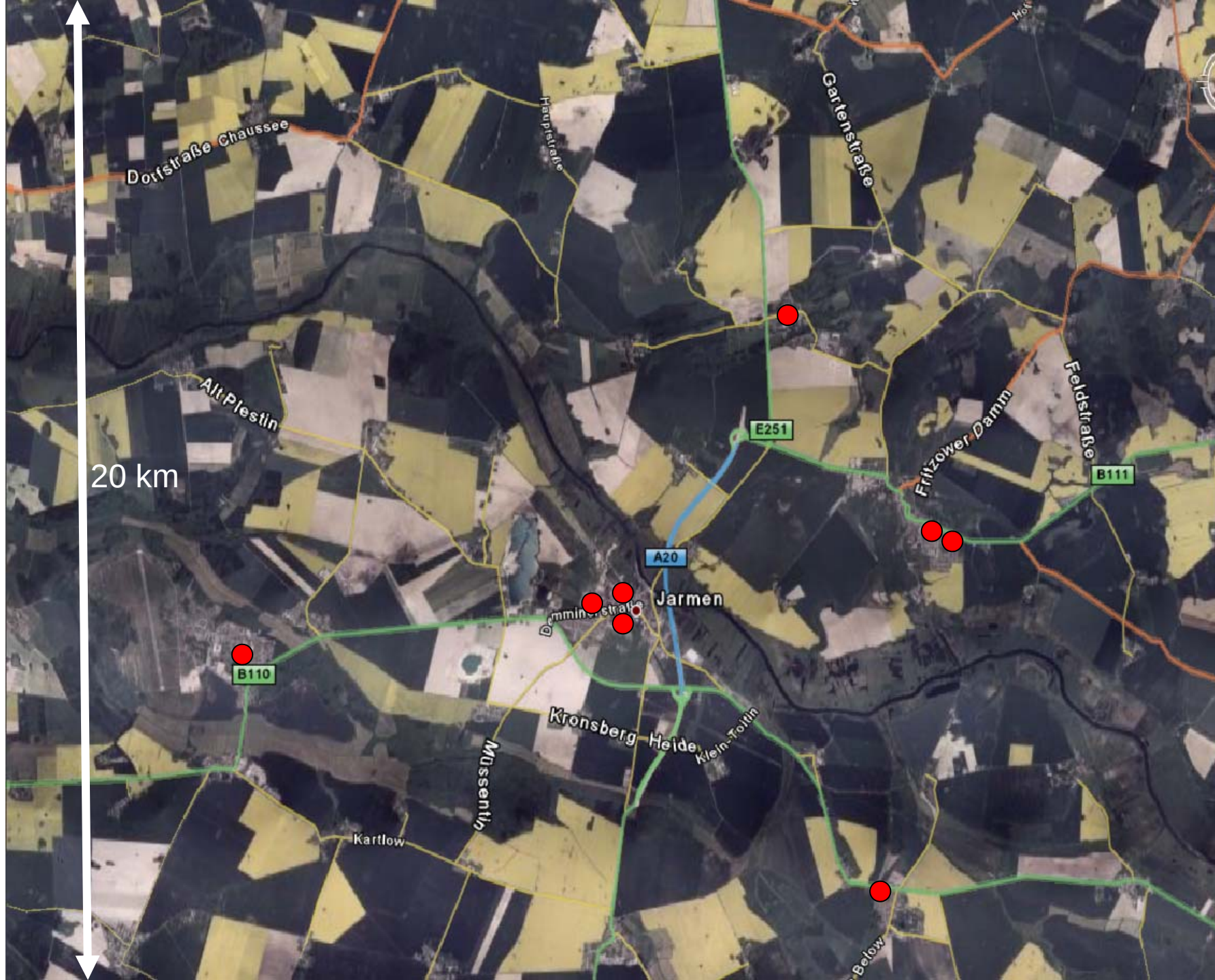
comparison 2002-2020

	male	female
Diabetes Type II (Prevalence)	+ 20% (8800)	+ 1% (500)
Myocardial infarction	+ 48% (1600)	+ 32% (900)
First stroke	+ 53% (700)	+ 27% (550)
Cancer overall	+ 36% (1750)	+ 13% (550)
Dementia	+67% (11.500)	

Number of GPs older than 59 years (data from 12/2004)





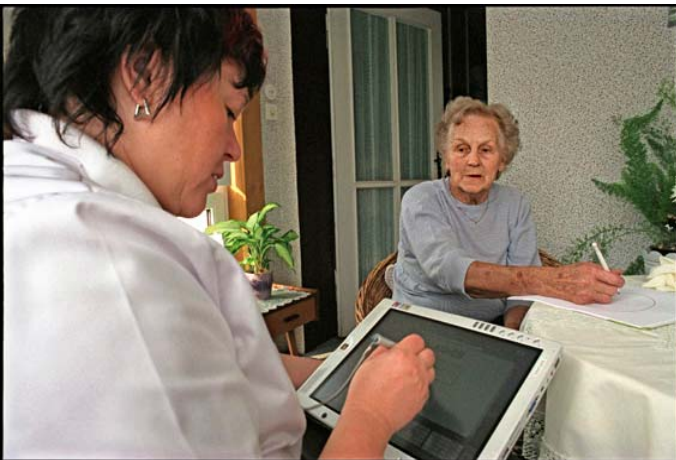


The Project AGnES

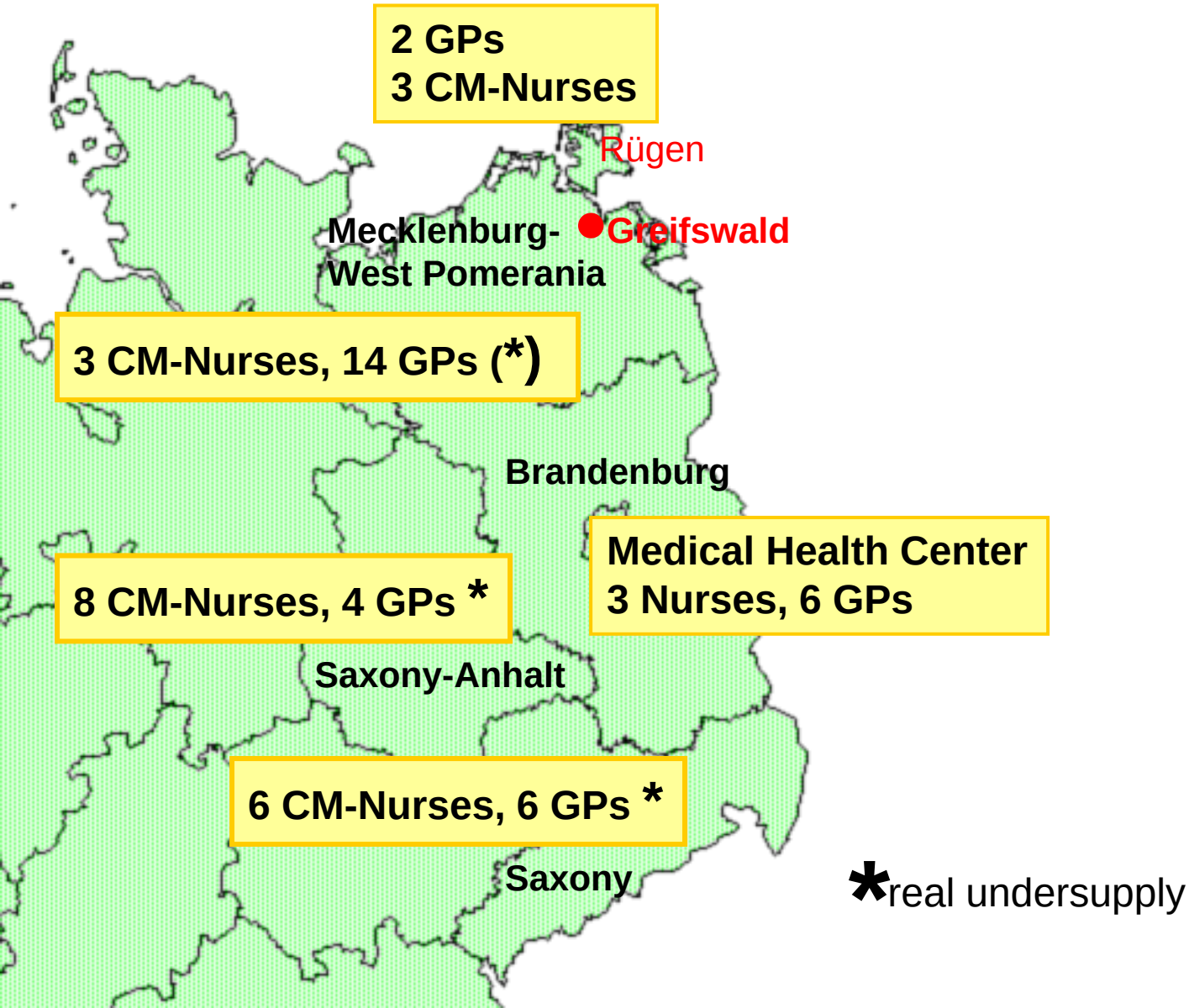
GP-relieving, community-based, e-health-assisted, systemic intervention

➡ GP supporting Community Medicine Nurses

➡ Basis: Activities, especially home visits, delegated by the GP



Community Medicine-Nursing – The network



Project modules

- Personal base interview: household, quality of life, education level, mobility
- Standard home-visit module: health condition, documentation of the delegated tasks, compliance control
- Training-modules: telecare-devices
- Geriatric assessment
- Drug history
- Fall prophylaxis
- Palliative care
- Final questionnaire: acceptance of the cm-nurse concept, changes in compliance

Standardized documentation with Tablet-PC

Hauptseite - Patient: Inge Meisel, 2021002 - Windows Internet Explorer

http://141.53.72.110:8080/agnes3client_test/hauptseite.jsp

Live Search

nu.nl | Het laatste nieuws le...

Hauptseite - Patient: Ing...

Seite Extras

Patienteninformationen

ID des Patienten	2021002
Name	Inge Meisel
Geschlecht	Weiblich
Geburtsdatum	2. Februar 1902
Adresse	Augustenweg 2
PLZ, Ort	17489, Greifswald
Hausarzt	Simone Piecha
Aktennummer	2222
Diagnose, Krankheitsbild	Freude

Einschlussgrund

Hausbesuchspatient des Arztes (aufgehobene Mobilität)

Krankheitsbild für Überwachung mit Hilfe von telemedizinischen Geräten

Der Patient eignet sich für die Überwachung mit Hilfe von:

Augeninnendruckmeßgerät (Teletonometrie)

Modul

Anzahl der Besuche
Erstbefragung
Sturzprophylaxe
Medikamentenanamnese

Fertig



7. Aufgaben des heutigen Besuchs:

Überprüfung	ja	nein	Werte/Bemerkung
Blutdruck	☐	☐	systolisch: mmHg
			diastolisch: mmHg
Blutzucker	☐	☐	mmol/l
Blutentnahme	☐	☐	
Puls	☐	☐	bpm
Augeninnendruck	☐	☐	mmHg
Gewicht	☐	☐	kg
Vitalkapazität	☐	☐	l/min
Wundversorgung	☐	☐	
Verbandswechsel	☐	☐	
Impfung	☐	☐	Art:
Ernährungsberatung	☐	☐	
Trinkberatung	☐	☐	
Sonstige Beratung	☐	☐	Thema:

Patienteninformation

Monitoring

Medikamentenanamnese

Schulung

Sturzprophylaxe

Abschlussbesuch

Bisherige Werte

Standard Fragebogen 12

Demenz-Tests

Report erstellen

Beenden

Fertig

Lokales Intranet

100%

Telemedicine

October 2007: First experiments with satellite videoconferencing system



Home telecare: scale & sphygmomanometer



sphygmomanometer

**Telecare-Device
(Bluetooth)**



**digital
scale**

Evaluation: Objectives, Questions

- Define the group of patients, eligible for medical attendance by a cm-nurse;
- Appreciation of the quality of this form of health care by the participating GPs;
- Examine the patients' acceptance of a cm-nurse;
- Analyse the kind and length of home-visits, made by the cm-nurse;
- Examine the implementability and acceptance of home telecare in a general practice;
- Changes to the size of the practice during the project;
- Changes of the total number of home visits (GP & CM-Nurse);
- The share of home visits between the GP and the CM-Nurse;
- The share of activities between the GP and the CM-Nurse;
- Monitoring of health parameters of the patients during the project.

Project characteristics, 22.01.08

Projekt	Anzahl Patienten	Anzahl Hausbesuche
AGnES MV Rügen (8/2005-3/2007, abgeschlossen)	105 Alter 73.3, 37-92	550
Modellprojekt Gemeindeschwester Brandenburg:	248 Alter 78.6, 39-98	2243
AGnES Sachsen (seit 3/2007):	297 Alter 80.1, 42-97	937
AGnES 4 Mecklenburg-Vorpommern (seit 7/2007)	230 Alter 76.7, 25-99	859
Praxisphase Curriculum Neubrandenburg (5/2007-8/2007, abgeschlossen)	182 Alter 79.5, 38-107	679
Gesamt:	1062	5268

Most frequent diagnoses, 21.1.2008

Diagnosis	Frequency
Hypertension	564
Diseases of the heart	405
Diabetes	358
Knee joint arthrosis	184

About 850 Diagnoses with more than 1000 Patients

Eye diseases	106
Osteoporosis	93
Thyroid diseases	87
Dementias	80
Diseases of the urinary tract	80
Depression	76

Most frequent delegated activities (Brandenburg)

Standardized assessment of the patients' health condition	1696
advise / consult <i>e.g. fluid intake, diet, exercises</i>	1926
Measuring blood pressure	1598
Measuring pulse rate (without measuring blood pressure)	1224
Measuring blood glucose	781
Applying standardized tests (e.g. to assess dementia)	666
Drawing blood sample	437
Measuring weight	418
Therapy of wounds / sore / decubitus	358
Injections <i>e.g. influenza virus vaccination, cobalamin, analgesic,...</i>	215
Control of oedema	132

Acceptance

Patients:

- CM-Nurse is competent for health issues: **97%**
- CM-Nurse should take over routine home-visits (home-visits by GP only in cases of special medical urgency): **88%**

GPs:

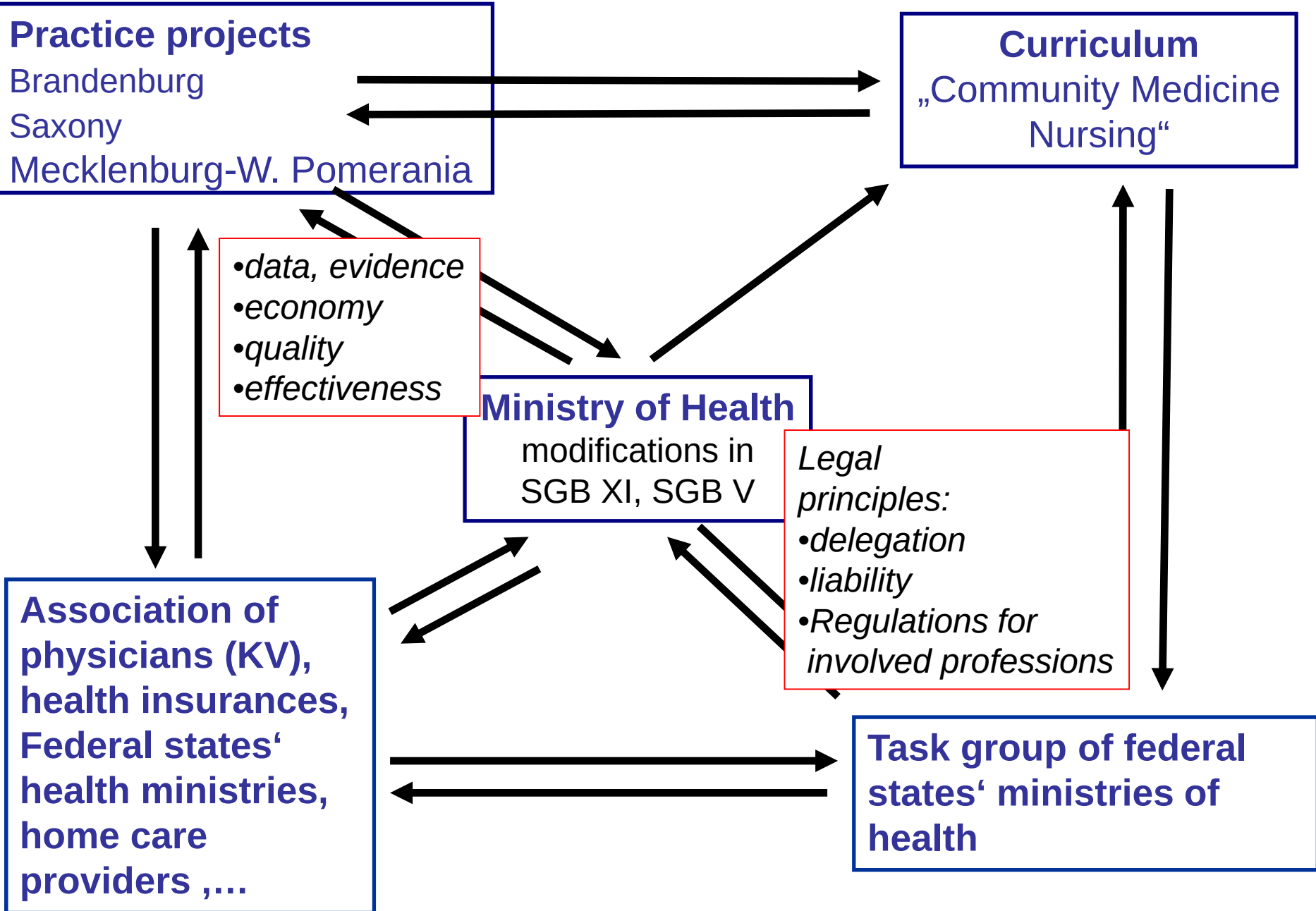
the quality of medical care during the project, supplied by the cm-nurse was judged appropriate for **96%** of the participating patients (fair and high approval).

Home visits of the GP

Standardized interview with participating GPs in
Mecklenburg-West Pomerania, Brandenburg, Saxony

Reasons for GP home visits:	N
Insufficient professional competence of the CM-Nurse	1/16
Family demand	1/16
Hospital aftercare	5/16
Change of therapy	5/16
Patients' demand	5/16
Imminent referral to a hospital	8/16
Routine home visits with reduced frequency	11/16
Acute worsening of medical condition	12/16

NETWORK



Legislation amendment: March 2008

8a. Dem § 87 Abs. 2b wird folgender Satz angefügt:

„Bis spätestens zum 31. Oktober 2008 ist mit Wirkung zum 1. Januar 2009 eine Regelung zu treffen, nach der ärztlich angeordnete Hilfeleistungen anderer Personen nach § 28 Abs. 1 Satz 2, die in der Häuslichkeit der Patienten in Abwesenheit des Arztes erbracht werden, vergütet werden.“

- **Delegation in absence of the GP (home visits)**
- **Financing/Settlement**



Schwester
Peggy Sienram (24)
legt ihrer Patientin
Gudrun Rosler ein
Blutdruckmessgerät
an.

Foto: Bärner

Thank you for your
attention!

Schwester Agnes kehrt zurück

HINTERGRUND

Kultfilm in der
DDR

Die DDR-Komödie
„Schwester Agnes“,
1974/75 gedreht, war
ein großer Erfolg.

