

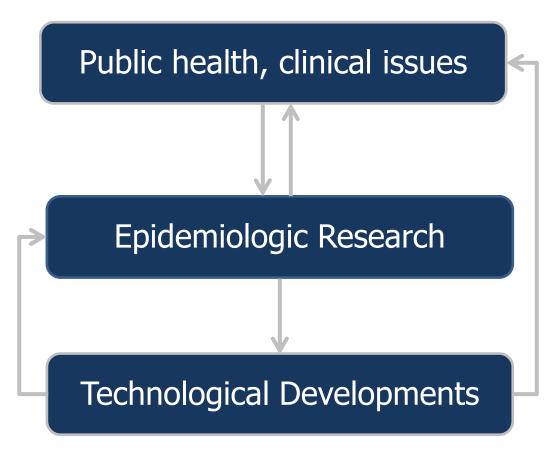
Study of Health in Pomerania

Deep phenotyping the general population

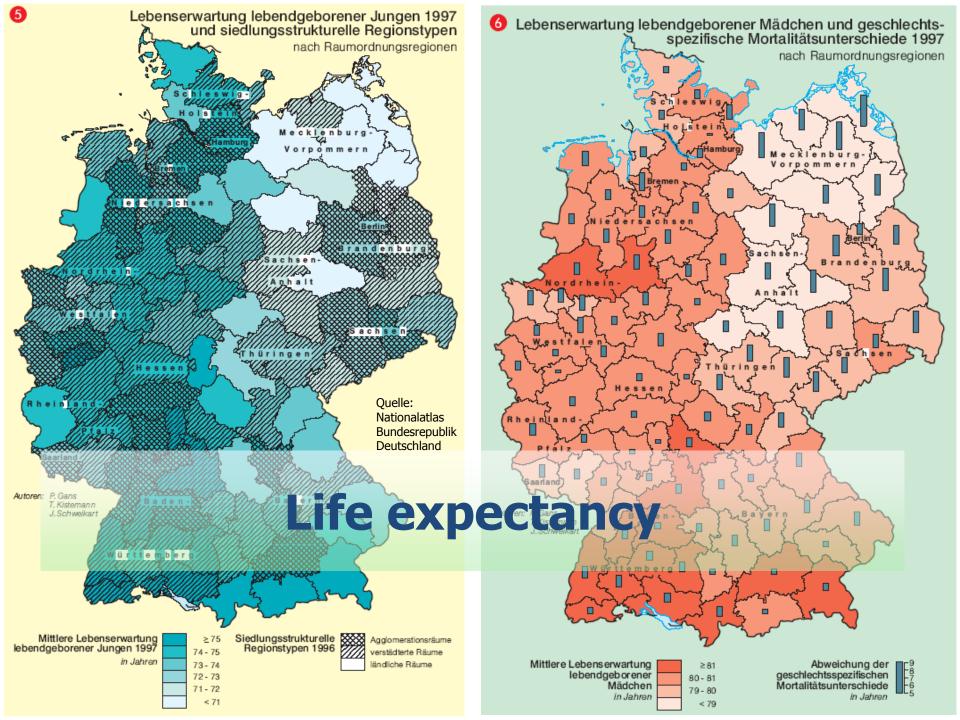
PD Dr. Dr. Carsten Oliver Schmidt Institute for Community Medicine University Medicine of Greifswald

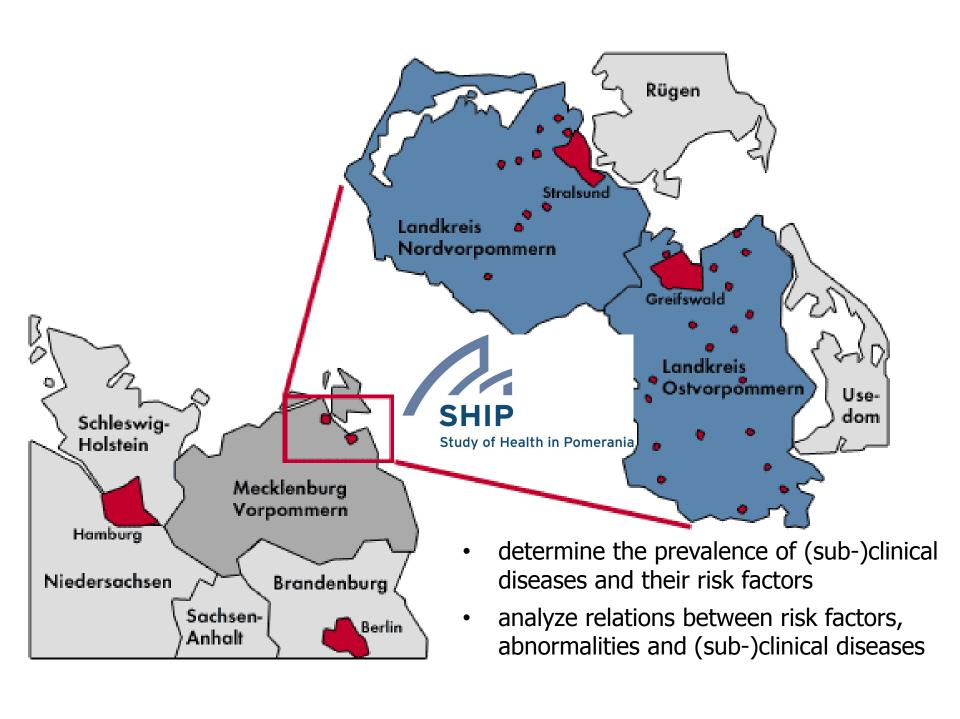
















Study of Health in Pomerania

Ethics
Data safety



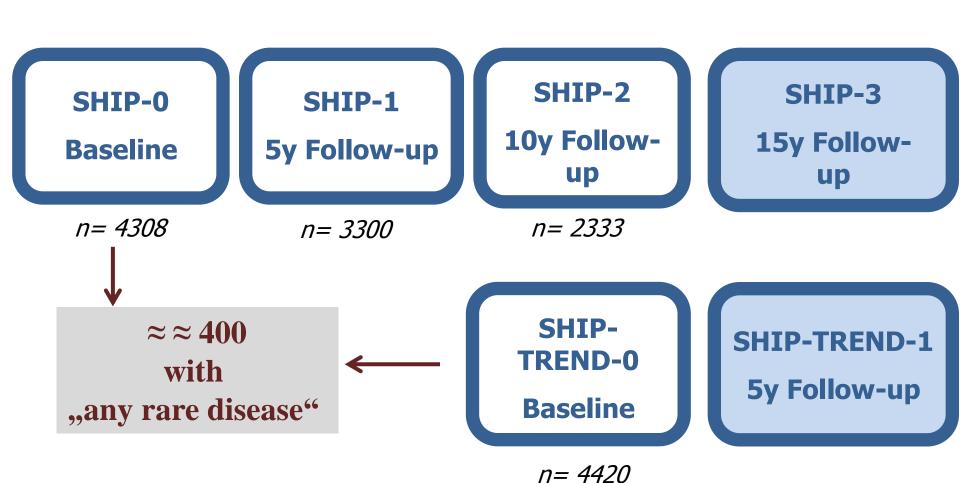


Study of Health in Pomerania

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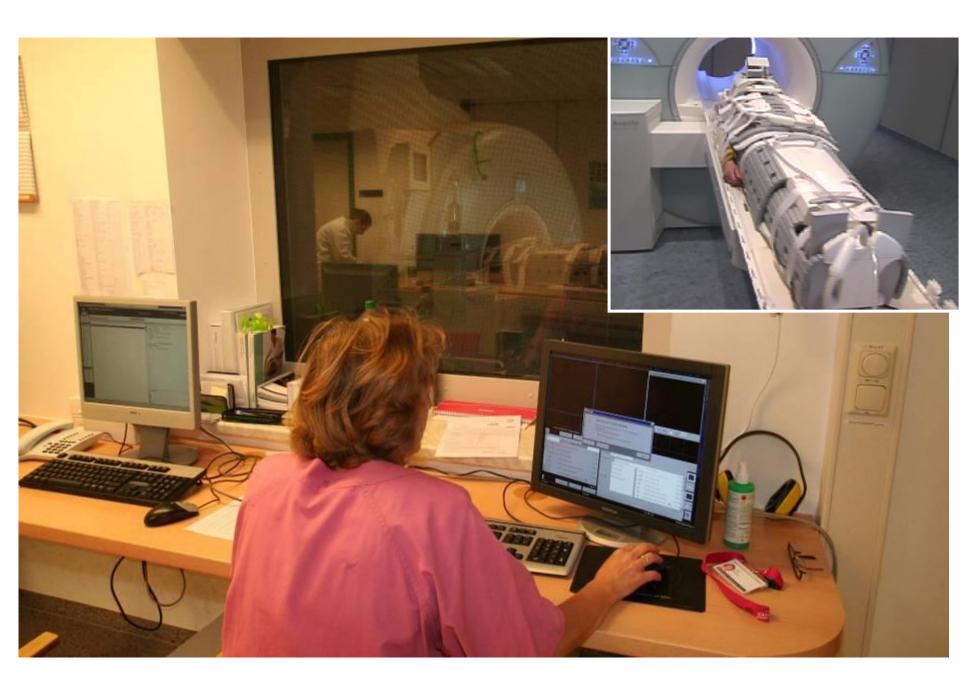


Cohorts

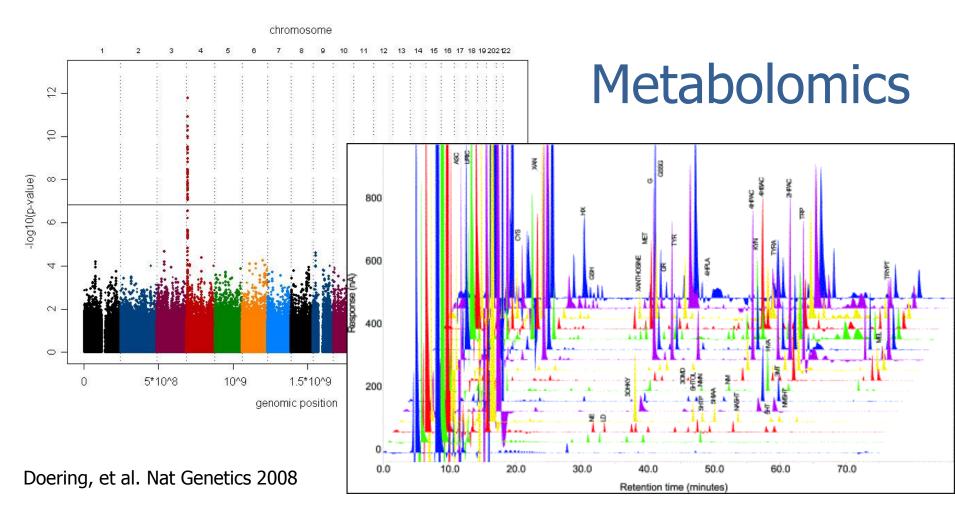


1997-2001 2002-2006 2008-2012 2014-2016

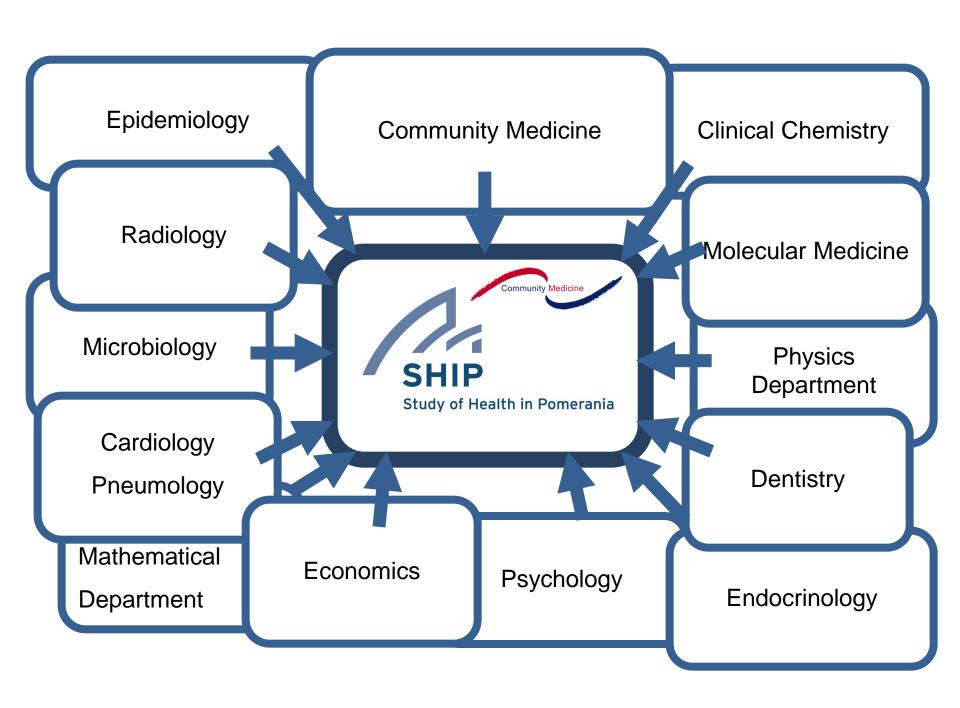
Instrument	SHIP-0	SHIP-1	SHIP-2	SHIP-TREND-0
Somatometric measures	×	×	×	×
Blood pressure	×	×	×	×
ECG	×	×	×	×
OGTT	_	-	-	×
Echocardiography (≥45 years)	×	×	×	×
Echocardiography (<45 years)	_	×	×	×
Echocardiography, diastolic function	_	×	×	×
Thyroid ultrasound	×	×	×	×
Carotid ultrasound (≥45 years)	×	×	×	×
Carotid ultrasound (<45 years)	_	×	×	×
Liver ultrasound	×	-	×	×
Gallbladder ultrasound	×	_	×	×
Endothelial function	_	×	×	×
Bodyplethysmography	_	×	×	×
Cardiopulmonary exercise	_	×	×	×
Oral examinations	×	×	×	×
Dermatological examination	_	×	×	×



GWA uric acid



Proteomics...



Publications

1-2 publications/ week, mean impact factor ≈7

- Cardiovascular Disease (JAMA, Lancet, Nat Genetics, Circulation, JACC, Eur Heart J, ATVB, Hypertension)
- Metabolic Syndrome (Nature, Science, Nat Genetics, Diabetes, Diab Care, JCEM)
- **Gastroenterology** (*Nat Genetics, Gastroenterology, Gut, Hepatology, Am J Gastroenterol*)
- Thyroidology (JAMA, Arch Intern Med, Am J Hum Genetics, JCEM, Thyroid)
- Psychiatry (JAMA, Nat Genetics, Am J Psychiatry, Biol Psychiatry, Mol Psychiatry)
- **Dentistry** (Diab Care, Dent Res, J Clin Periodontol, Thromb Haemost, J Hypertens)
- Haematology & Oncology (Nat Genetics, Am J Hum Genetics)
- **Neurology** (*Lancet, Arch Intern Med, Stroke*)
- Pneumology (Nat Genetics, Eur Respiratory J, Chest)
- **Nephrology** (*Nat Genetics, J Am Soc Nephrol, Kidney Int*)
- **Epidemiology** (Int J Epidemiol, Am J Epidemiol, J Clin Epidemiol, Eur J Epidemiol)



Mein Profil

Meine Anträge

Hilfe

Abmelden

Transferstelle für Daten- und Biomaterialienmanagement

Neuen Antrag stellen

Legen Sie hier einen neuen Antrag an. Wählen Sie dazu eine Kohorte aus und geben Sie einen Titel für Ihr Projekt ein. Sollte der Titel noch nicht feststehen, geben Sie bitte einen vorläufigen Arbeitstitel an.

BITTE BEACHTEN SIE:

SHIP-2 und SHIP-Trend befinden sich noch in der laufenden Datenerhebung. Die Variablen können schon eingesehen aber vor Abschluss der Datenerhebung noch nicht regulär beantragt werden!

Datennutzungsanträge, die SHIP-2/SHIP Trend Variablen umfassen, werden, außer in streng begründeten Ausnahmefällen nach vorheriger Absprache mit dem FVCM, grundsätzlich abgelehnt.

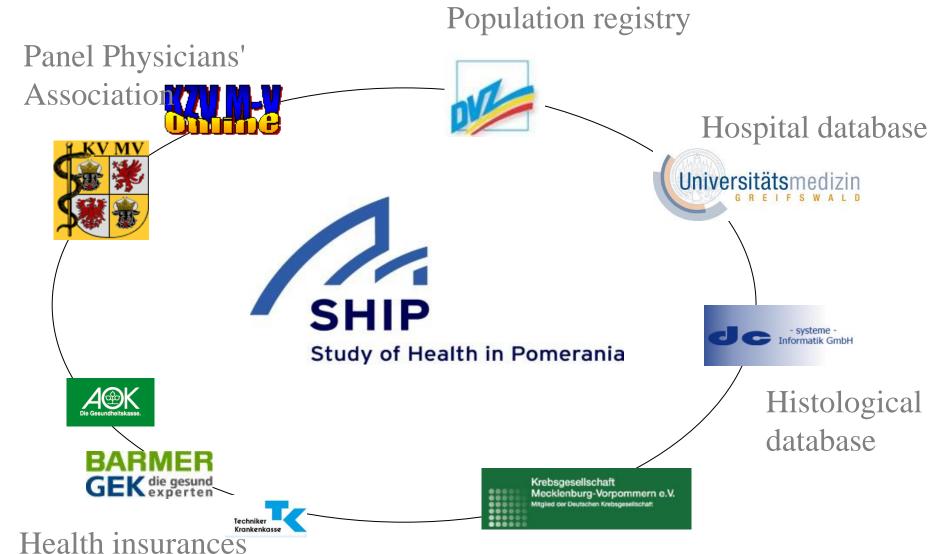
Antrag auf Übergabe und Nutzung von Daten und/oder Probenmaterial von Probanden der Studie

Leben und Gesundheit in Vorpommern (SHiP)

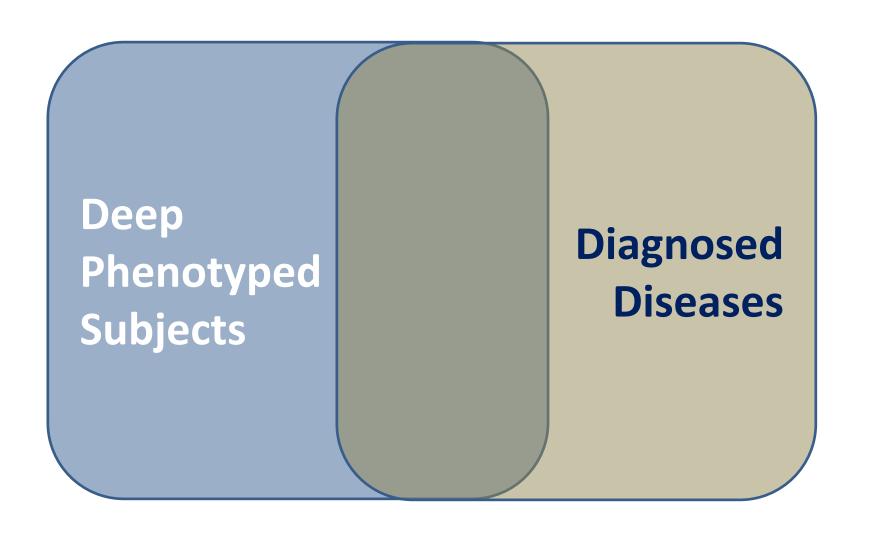


http://www.medizin.uni-greifswald.de/icm/transferstelle/

	am greme wara.ae, rem, aame,
SHIP-AM (Akromegalle) SHiP-DM (Diabetes mellitus)	
Survey of Neonates in Pomerania	(SNIP)
SNIP	
Antrag auf ein Assoziiertes Projek Studie "Leben und Gesundheit in '	t im Rahmen der Ganzkörper-MRT-Untersuchung der Vorpommern'' (SHiP)
SHIP-2 SHIP-TREND	
Titel:	
Pain Patterns in the General	Population
Antrag erstellen	Abbrechen



Clinical tumour registry







Study of Health in Pomerania

Ethics
Data safety





- applications

Data dictionary

Proband Management

Training Certification

Data Collection

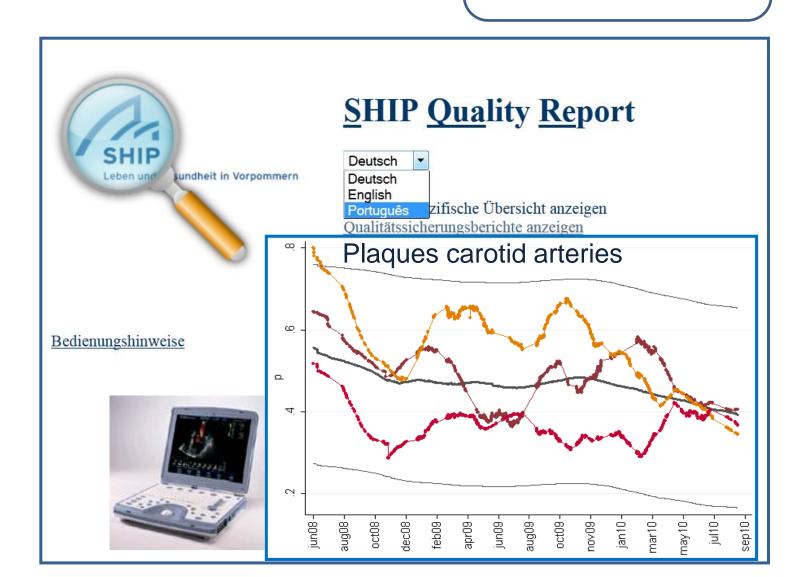
Communication structures

Quality Monitoring

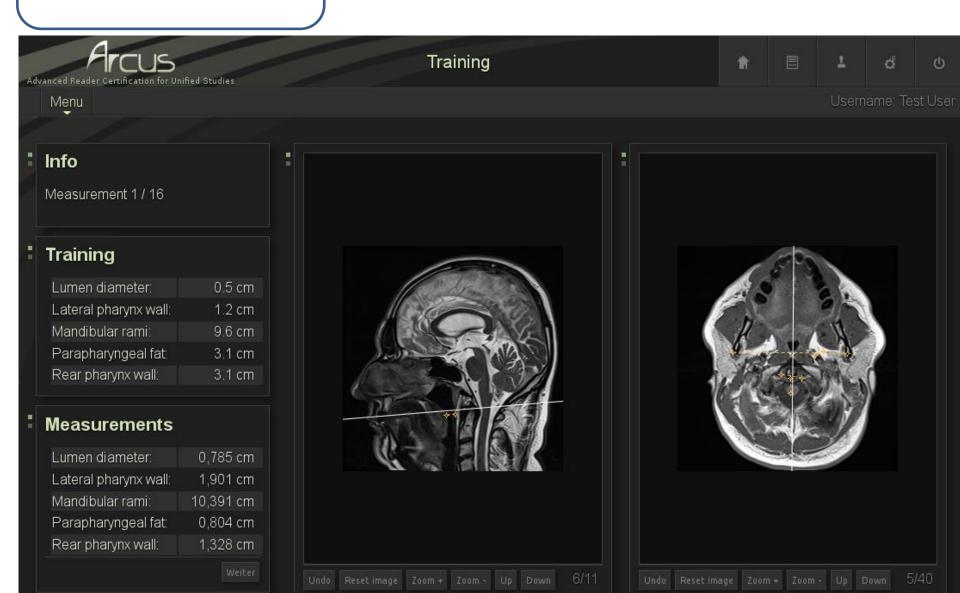
Data clean up

Data Transfer

Clinical datamonitoring



Training Certification







Study of Health in Pomerania

Ethics
Data safety



	Subjective evaluation, finding indicates					
	Life-threatening disease	Non-life-threatening disease requiring medical attention	Other n (%)	Total n (%)		
	n (%)	n (%)				
Radiologist, finding indicates						
Life-threatening disease	13 (41.9)	10 (5.5)	2 (1.3)	25 (6.7)		
Non-life-threatening disease requiring medical attention	14 (45.2)	112 (61.9)	75 (47.2)	201 (54.2)		
Control check-up advisable	4 (12.9)	59 (32.6)	82 (51.6)	145 (39.1)		
Total	31 (100)	181 (100)	159 (100)	371		





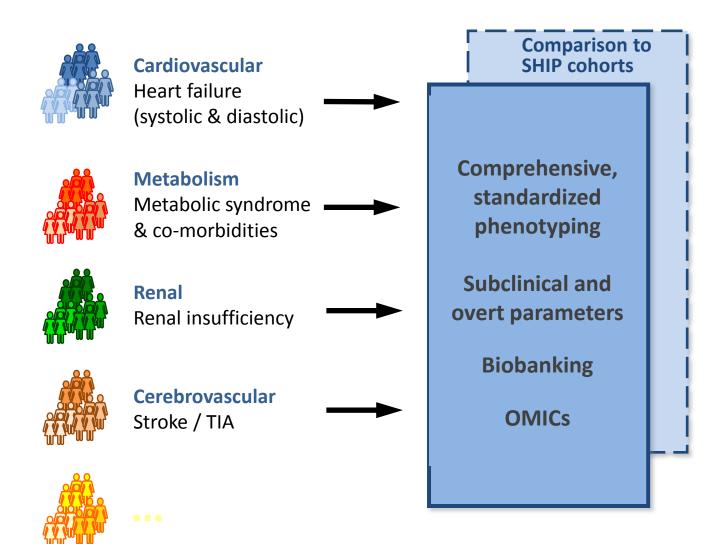
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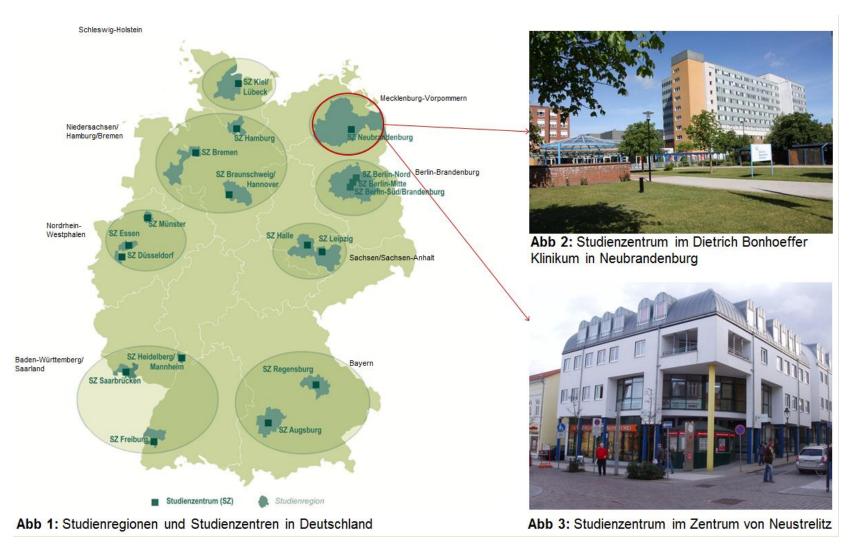


Recruitment of patient cohorts

(in accordance with methods and quality standards of SHIP)



German National Cohort (N=200.000)



N=20,000



Welcome to BioSHaRE



This issue

Welcome

What's Happening the BioSHaRE Core Projects?

BioSHaRE Tool Roll Out Session at HandsOn Biobanks Conference

Feature BioSHaRE Publications



- The National FINRISK Study 2007 (FINRISK)
- > Health 2000



- Nord-Trøndelag Health Study (HUNT)
- > Oslo Health Study (HUBRO)



LifeGene



- LifeLines
- Prevention of REnai and Vascular ENd-stage Disease (PREVEND)



Cork and Kerry Diabetes and Heart disease study



- National Child Development Study (NCDS)
- ➤ UK Biobank
- The European Prospective Investigation Into Cancer and Nutrition (EPIC) Oxford
- Salford cohort



Estonian Genome Center



- Cooperative Health Research in the Region of Augsburg, Southern Germany (KORA)
- > Study of Health in Pomerania (SHIP)



- Microisolates in South Tyrol Study (MICROS)
- Collaborative Health Research in South Tyrol Study (CHRIS)
- ➤ EPIC-Turin



Illustration: Biobanks participating in BioSHaRE by November 2013



Conclusion

- Deep phenotyped populations allow for a unique opportunity to detect cases or groups of subjects
 - with a rare disease
 - at risk for a rare disease
- Combination with secondary data sources enable analysis of
 - Diagnosed vs. undiagnosed / subclinical conditions
 - Clinical pathways
 - Costs
- Pooling cohorts essential but possible
- Serious ethical and data safety implications because we study random participants not patients







Bundesministerium für Bildung und Forschung







Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz









Study of Health in Pomerania







Ministerium für Bildung, Wissenschaft und Kultur

Alfried Krupp von Bohlen und





















