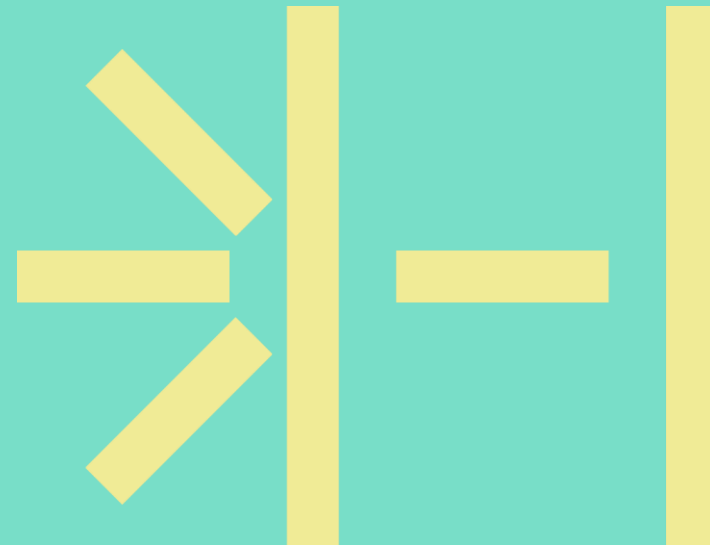




PROMs als Mehrwert für Patient*innen und Schritt in ein wertbasiertes Gesundheitssystem – Das Modell Basel

Dr. med. Florian Rüter
Qualitätsmanagement & Value Based Healthcare
Universitätsspital Basel

fmc webinar «Value Based Cancer Care», 29.09.21



What do patients want?

*«Achieving good patient health outcomes is
the fundamental purpose of healthcare»*

Michael E. Porter, Harvard Business School



What do patients want to know?

- Survival
 - Disease progress
 - Treatment effectiveness
- Pathways
 - Waiting time for decision
 - Waiting time for treatment
- Quality of Life (PROMs)
 - Side effects / Symptom control / Support groups
 - Digital tools for patients
- Social Variables
 - Implications for my family
 - Implications for my job / Costs



What are the answers of our healthcare system?

- Personalized / Individualized medicine
- Patient Empowerment
- Patient Centering
- Lean Management
- Big Data
- Artificial Intelligence

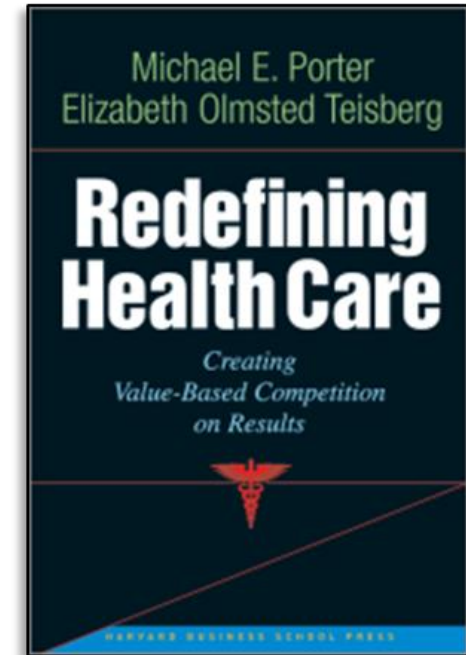
■ What do we need?



New mindset

From **volume**-based to
value-based healthcare

$$\text{Value} = \frac{\text{Patient Reported Outcome (\& Experience)}}{\text{Costs}}$$



**HARVARD
BUSINESS SCHOOL**

Institute for Strategy &
Competitiveness

Status quo PROMs @ USB



BREAST CANCER



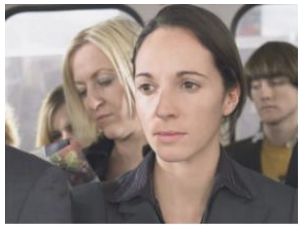
HIP & KNEE OSTEOARTHRITIS



CORONARY ARTERY DISEASE *



STROKE



DEPRESSION & ANXIETY



LOCALIZED PROSTATE CANCER



OVERACTIVE BLADDER ¹



INFLAMMATORY BOWEL DISEASE



CLEFT LIP & PALATE



LOW BACK PAIN



CONGENITAL UPPER LIMB ANOMALIES



LUNG CANCER ²



HEART FAILURE

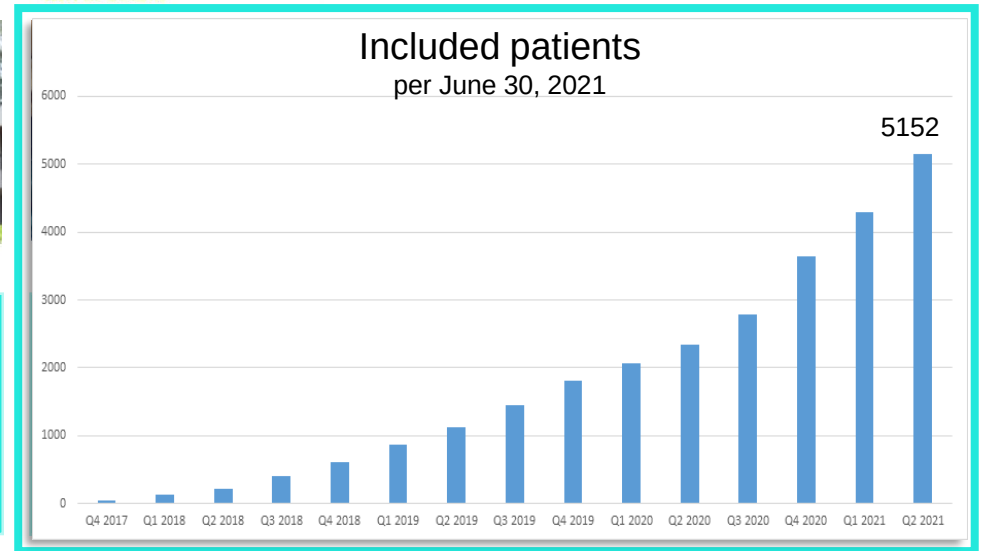
- 13 ICHOM Sets
- 5 In-house developments
- 2 Sets under development
- *inactivated
- ¹currently no inclusions
- ²Cooperation project

Fractures of the upper and lower extremities

Orthopedics / Traumatology - Infections

Sarcoma

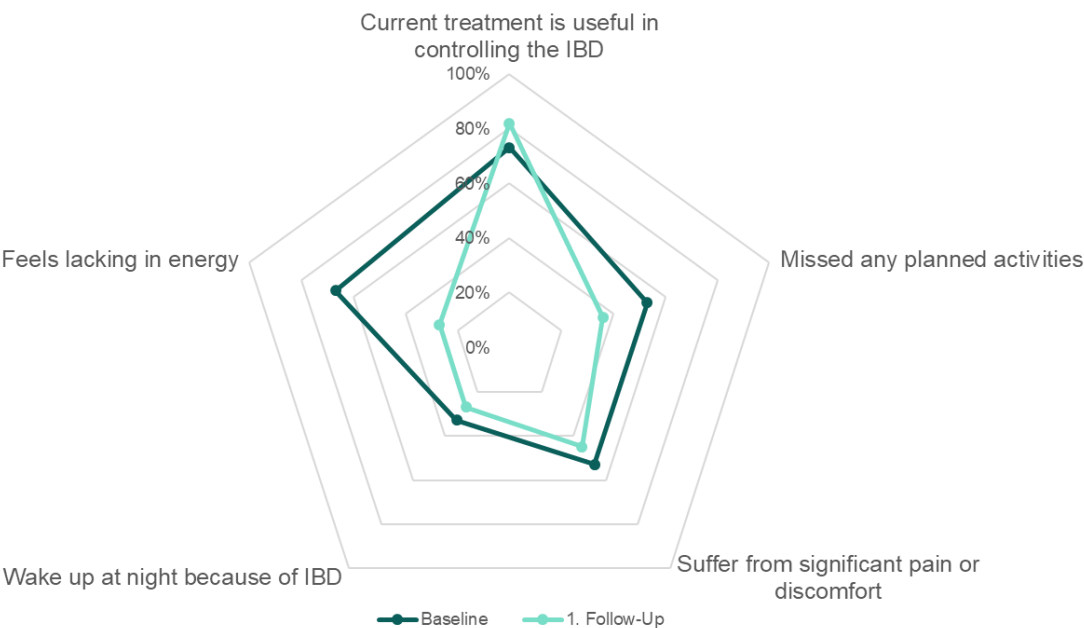
Orthopedics Shoulder



In-house development

PROM Ecosystem

■ Reporting Inflammatory Bowel Disease



■ Update



■ Forum



8. Learning community

- Internal reviews
- International reviews



■ Symposium



The next revolution in
healthcare isn't a drug.
It's data.

The data that tells us what patients want
– and need.



Targets

Individual patient level

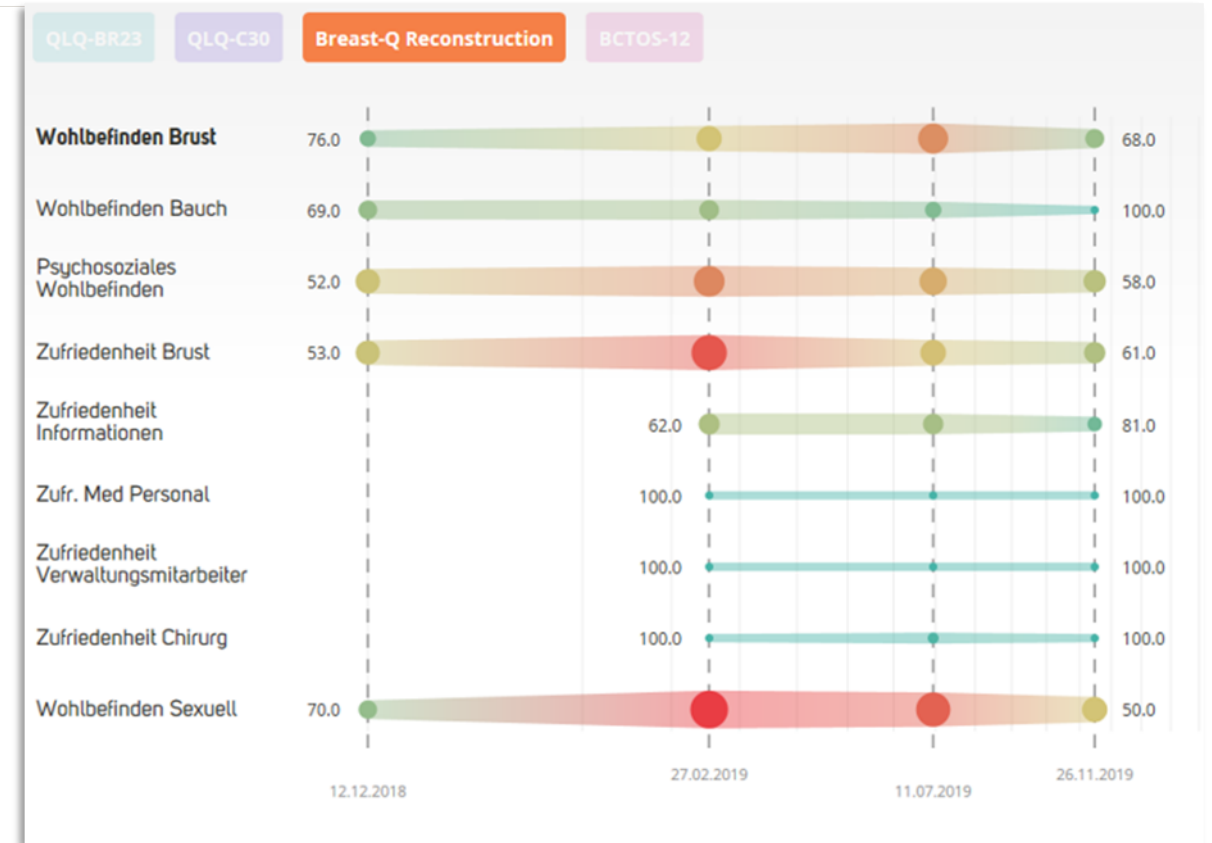
- Make informed and patient-centric treatment decisions based on outcome data
- Knowing benefits of treatment from patient's perspective, transparent and controllable
- Significant increase in patient satisfaction in doctor-patient communication

Group level

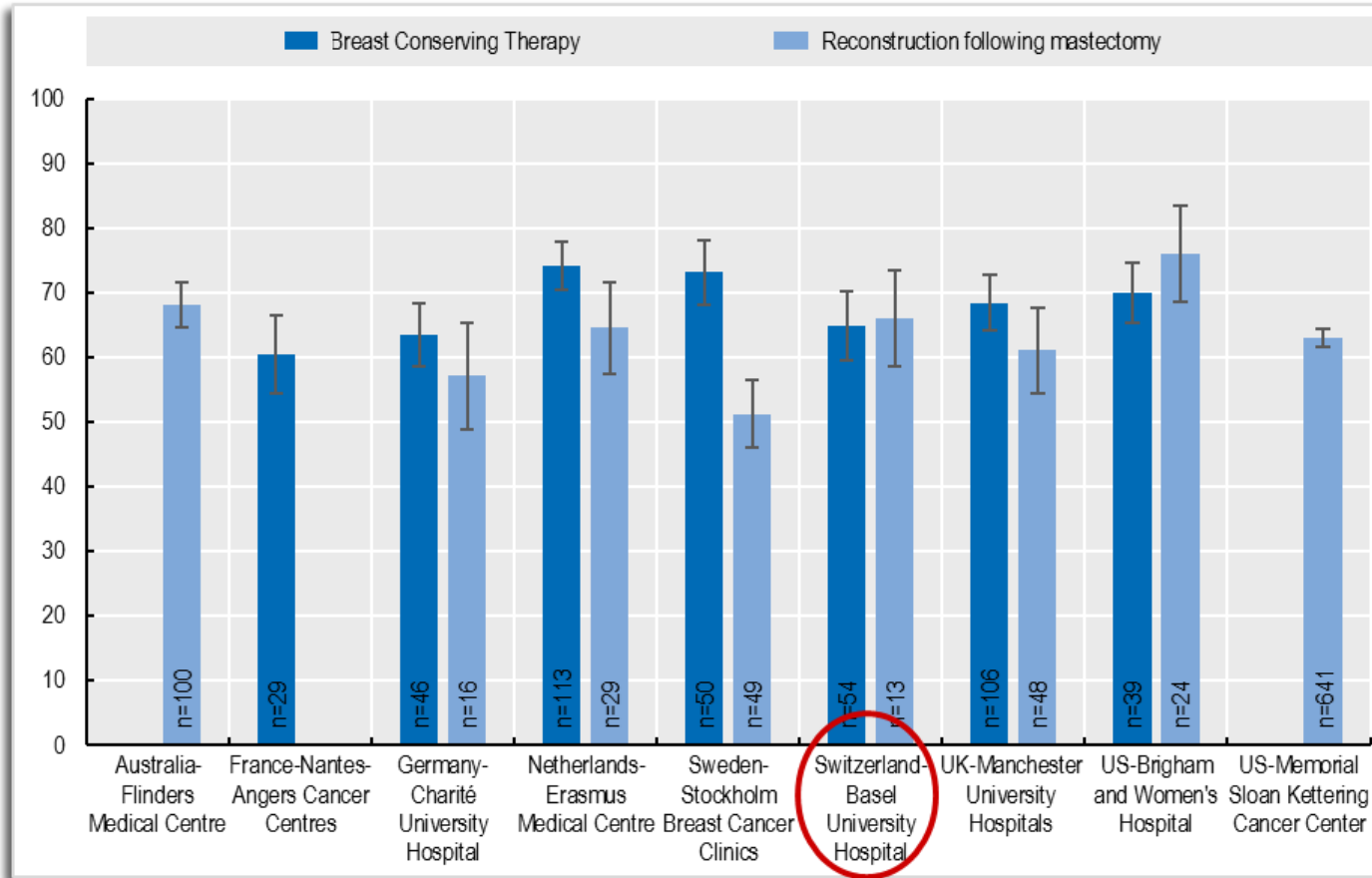
- Evaluation of different therapeutic approaches
- Influence of the therapy on QoL
- Aggregated data for shared decision making
- ...



Breast Cancer

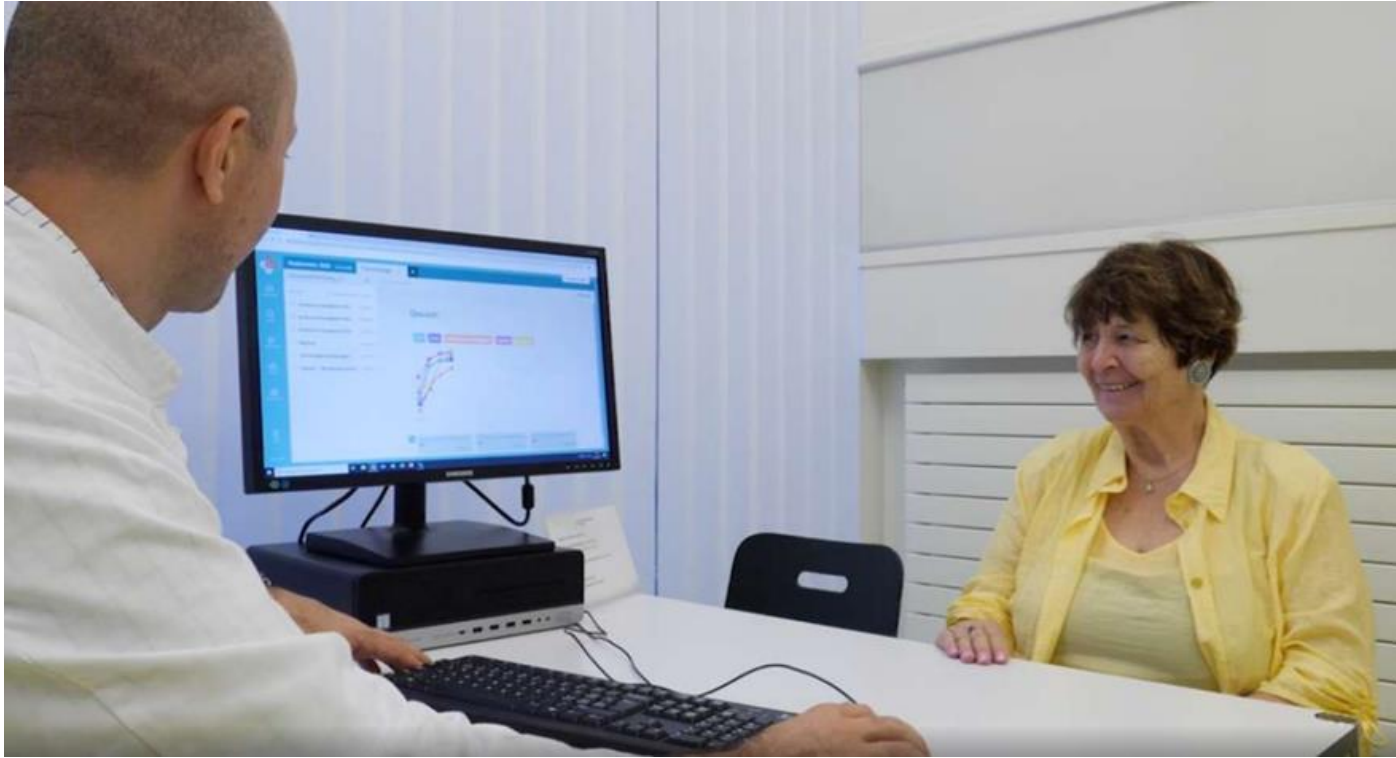


Breast Cancer – Group level



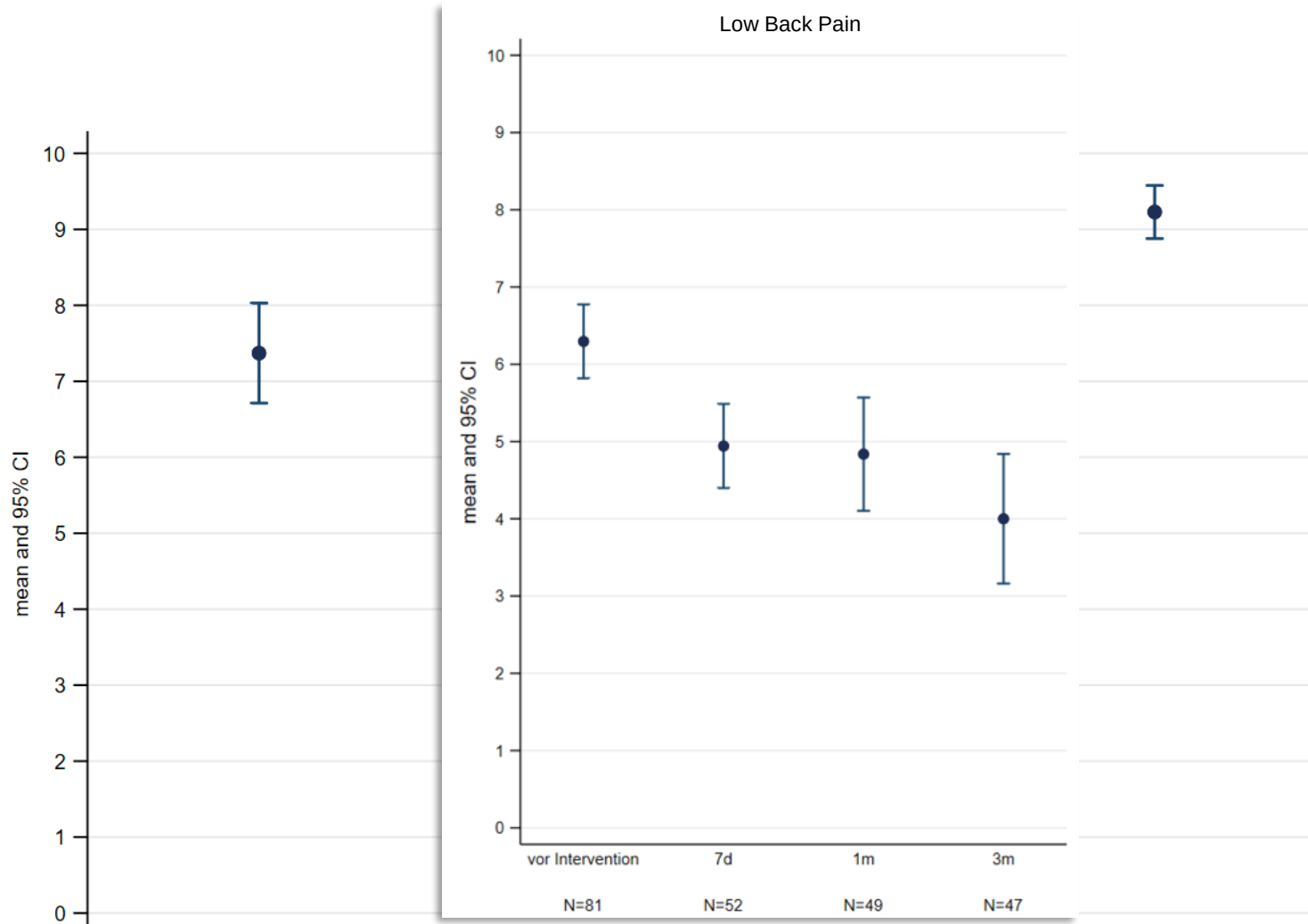
- ✓ Intimate topics easier to discuss
- ✓ Trustful doctor patient relationship
- ✓ Closer involvement of breast care nurses in the treatment pathway
- ✓ Broadening their range of tasks
- ✓ Increased work attractiveness
- ✓ More Patient satisfaction
- ✓ International benchmarking

Orthopedics / Traumatology



- ✓ Comprehensive implementation:
- ✓ Hip & Knee, Fx's upper & lower extremities, Shoulder, Infections
- ✓ 2 locations
- ✓ Creative involvement of students and administrative staff
- ✓ Information video in waiting area
- ✓ PROM collection before every consultation on-site or from home
- ✓ Consequent discussion of the PROM data with the patients
- ✓ VBHC as a clinic strategy

Anesthesiology / Pain Service: Low Back Pain



- ✓ PROM collection before consultation
- ✓ Therapy success
- ✓ Therapy control tool
- ✓ Team performance
- ✓ Possible approaches to patient centeredness

Satisfaction with Treatment

N=70

Rückenschmerzen letzte 7 Tage

vor Intervention

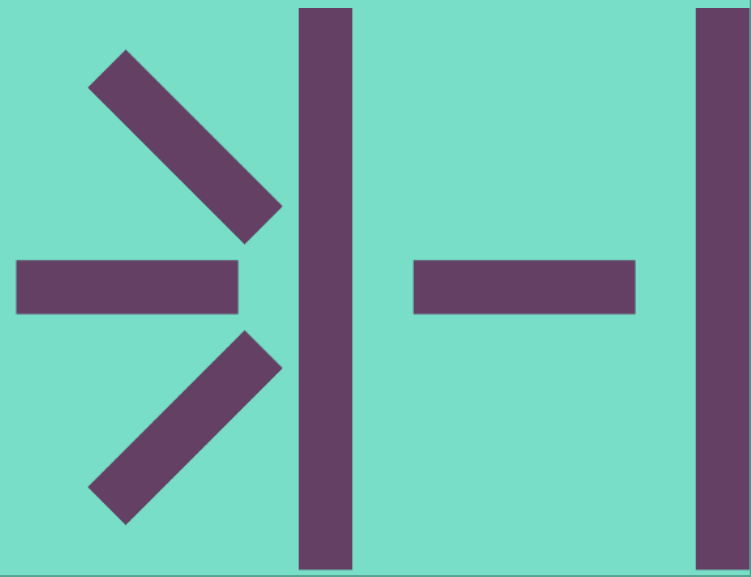
7d

1m

3m

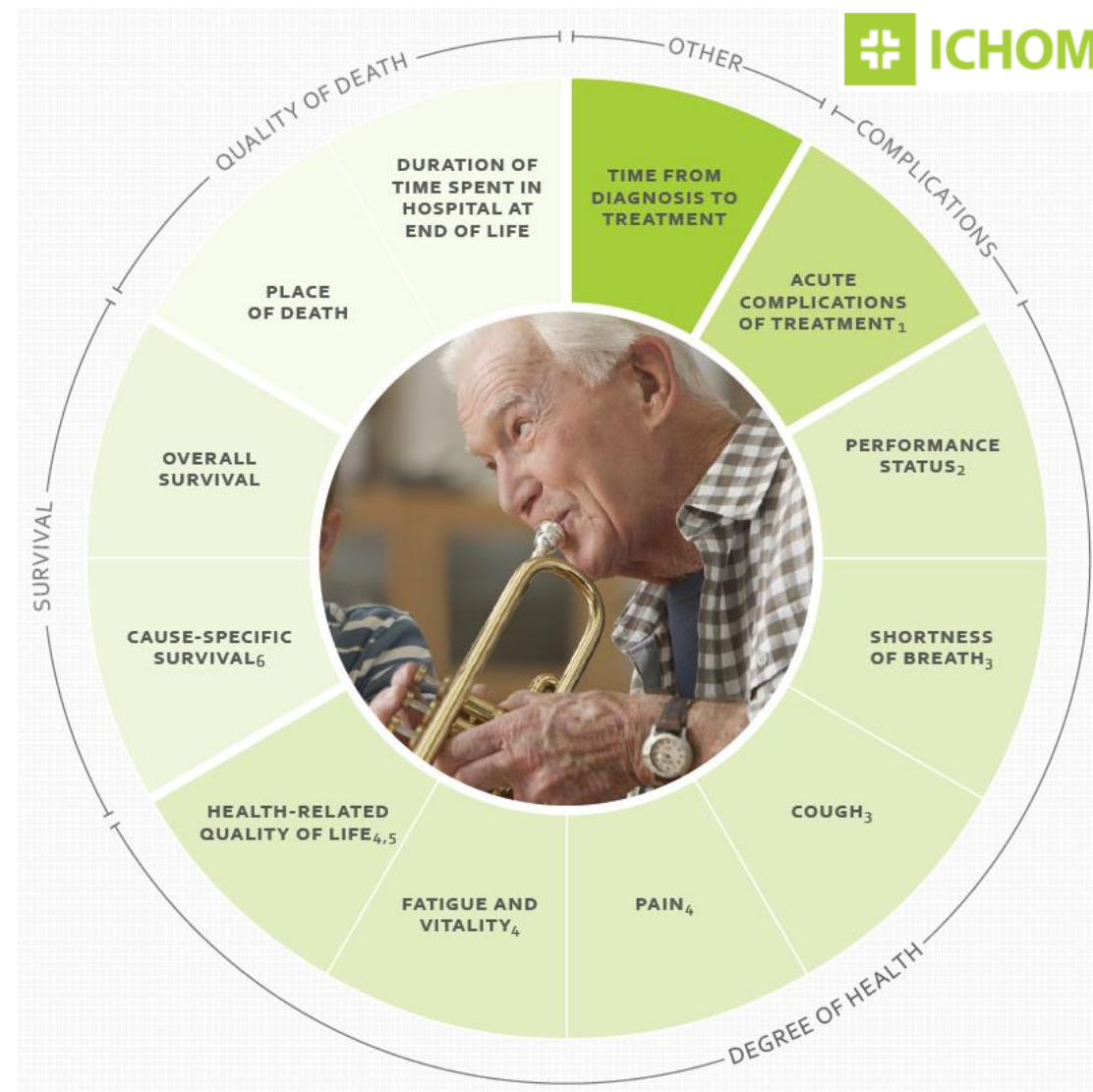
fmc - Value Based Cancer Care

What else?



Why PROMs in a private-public partnership?

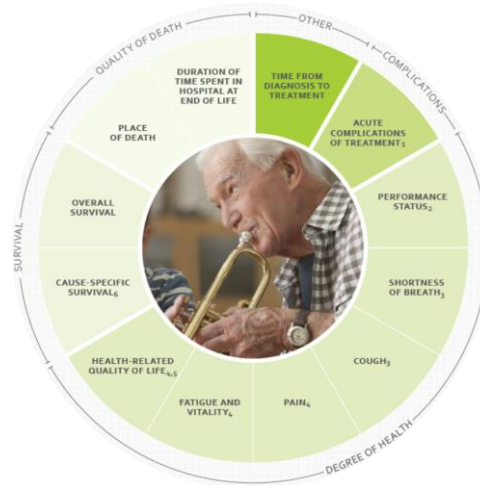
- Challenging situation with different treatment paths:
 - 3 Kliniken:
 - Oncology
 - Thoracic Surgery
 - Nuclear Medicine
 - Need for «cross-functional personnel»
- Common questions about the future of healthcare
- «Win-win-win Situation» for
 - Patients
 - University Hospital Basel
 - Roche



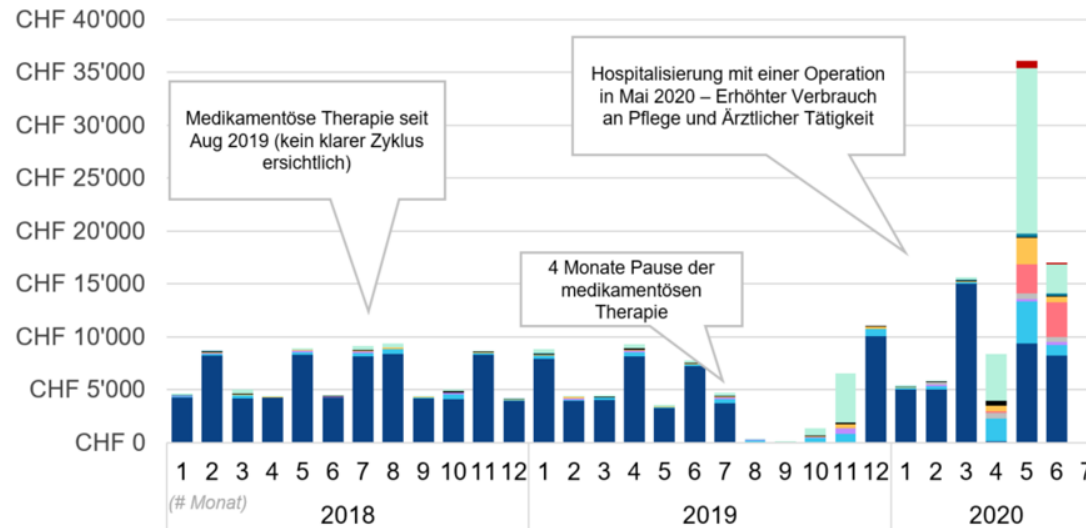
Going forward



Patient value: University hospital and Roche cooperate

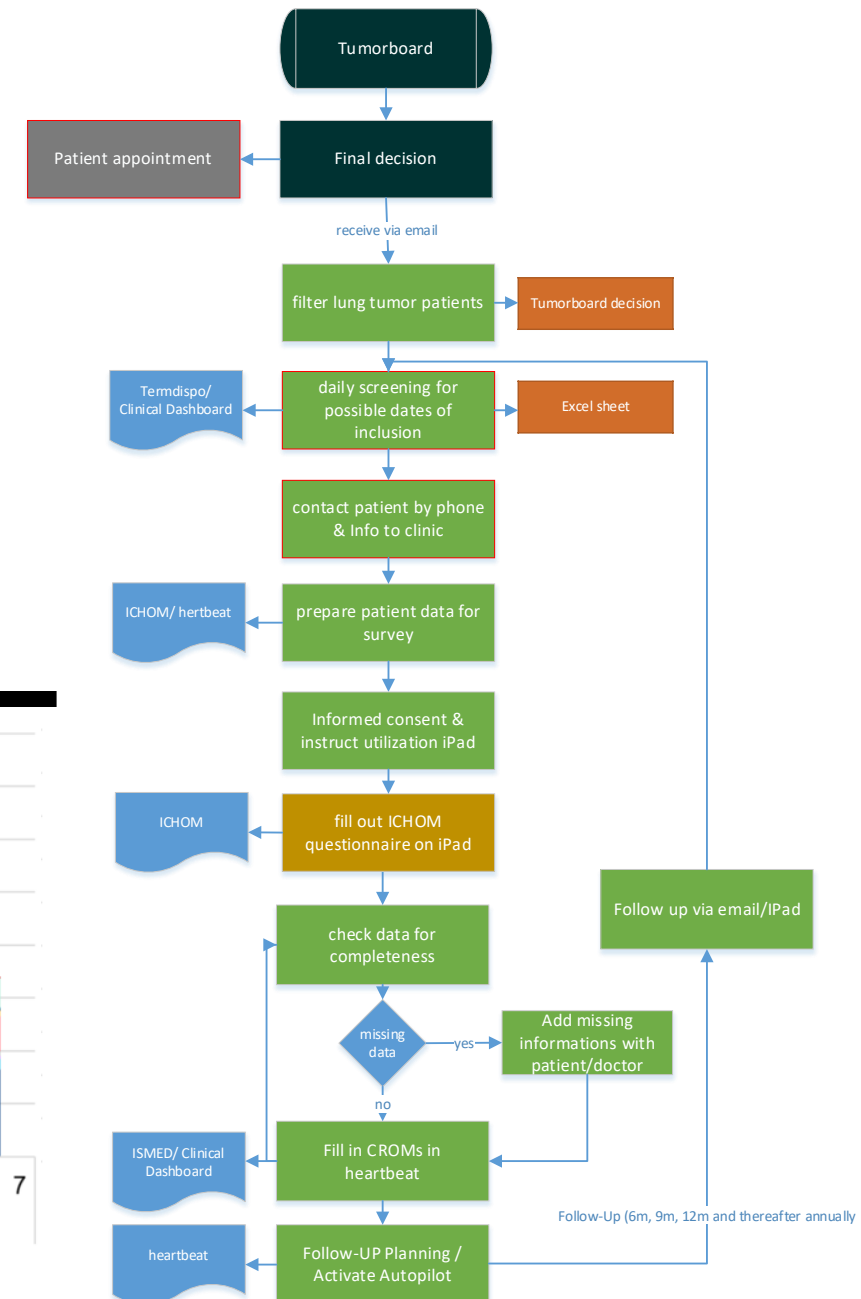


Value equation =



Total **COST** of patient care

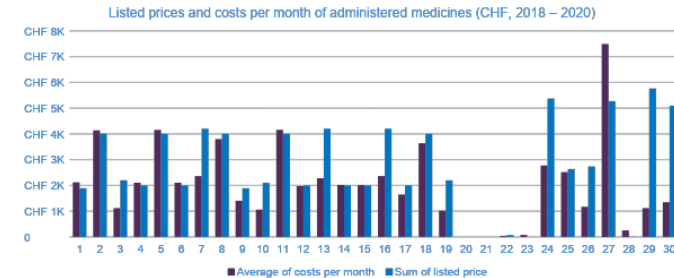
29.09.21



Ziele der Datenanalyse

Grundlage:

- **Aktivitätsdaten** (SAP), hohe Granularität, tägliche Abbildung
- **Kostendaten** (REKOLE), niedrige Granularität, monatliche Abbildung
- **PROM-Daten** (Heartbeat), gemäss ICHOM-Set Lungenkarzinom
Pseudonymisierte Daten entsprechend Datenschutzbestimmungen
Datenauswertung durch unabhängigen Partner – ECPM / Universität Basel



Output:

- *Entwicklung einer Methodologie für die Datenanalyse*
 - Aktivitäts- und Kostendaten werden in Bezug gesetzt
 - Aktivitäts- und Kostendaten in Bezug zu Outcomedaten (PROMs)
- Identifizierung von Mustern im Behandlungspfad (Interpretation)
- Identifizierung von Optimierungspotenzial (Interpretation)

**Hypothesen –
Entwicklung /
Prüfung**

Going forward II

■ Outcome

- PROMs
- Komplikationen

■ Kosten und Leistungsdaten

- Interventionszeit
- Aufenthaltsdauer

■ Prozesse

- Wartezeit Konsultation - Intervention

Projekt „Pay for Patient Value: Innovative Anreizsysteme zur Schaffung von Mehrwert für Patienten, Leistungserbringer und Kostenträger“

Value-Based Health Care Benefits



NEJM Catalyst (catalyst.nejm.org) © Massachusetts Medical Society



Going forward II



Prof. Dr. Stefan Felder
Wirtschaftswissenschaftliche Fakultät
Health Economics

Costing



©Floris Oudshoorn

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Strategic goals



- Qualitative growth and clear profile in university medicine
- Innovative partnerships and new business models
- **Value Based Healthcare**
 - University space for excellent research
 - Consistent and coordinated care
 - First choice for referring physicians
 - Integrated, digital and intelligent processes
 - One of the best healthcare employers and educational institutions
 - Future-oriented and attractive infrastructure
 - Hospital investments with self-generated funds



Was ist Value Based Healthcare?

Die bestmögliche Gesundheitsversorgung gemessen am individuell durch die Patientinnen und Patienten wahrgenommen Wert einer Behandlung zu günstigen Kosten ist die Kurzformel von Value Based Healthcare (VBHC), der Werte-basierten Gesundheitsversorgung. Diese 2006 durch die Harvard Ökonomen Michael Porter und Elizabeth Teisberg in ihrem Standardwerk «Redefining Healthcare» entwickelte Formel und ihre Prinzipien sind Basis für eine Neuorientierung des Gesundheitssystems in der Schweiz

Ziel ist es, durch eine patientenzentrierte Outcomeorientierung weiteren Fehlentwicklungen mit kontinuierlich steigenden Kosten gegenzusteuern. Mehr Qualität, mehr Wert – «Value» – pro eingesetztem Franken für PatientInnen vor, während und nach einer an ihre Bedürfnisse angepassten Behandlung fokussieren auf den Kern medizinischen Handelns. Wie geht es einer Patientin oder einem Patienten nach einem medizinischen Eingriff in seinem Alltag, und welchen Nutzen hat die Behandlung längerfristig? Der individuelle Behandlungserfolg aus Sicht der Werte, Bedürfnisse und Präferenzen der



Vielen Dank für Ihre Aufmerksamkeit!

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& Value Based Healthcare
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