DHZ | PROM

Solution Design Framework

Application Scenarios

	R & D	QM	Clinical	Patient Journey
Focus	PROMs and patient wearable outcomes from **sample population** for research	PROMs from **all patients or selected subgroups** for quality assessment & reporting	PROMs and patient wearable outcomes from **individual patients** for clinical use; digital monitoring; diagnostic feedback	Full-fledged digital support at every touchpoint in the **individual patient** journey
Time Points	One or several (depends on study protocol)	Periodically (depends on reporting interval)	Continuous until end of hospital treatment	Continuous until end of life
Communication	Typically one-way from patient to provider	One-way from patient to provider	Two-way between patient and provider; feedback, electronic interventions	Multilateral between all players; complex interplay
Drivers / Motivation / Goals	Answer research questions	Quality management	Clinicians; patients; improve patient care	Future hospital strategy; digital generation
Primary Data Source	Questionnaires, wearables	Questionnaires	Questionnaires, wearables	Questionnaires, wearables
Secondary Data Source	(CIS, Data Warehouse) often stand-alone?	Admin ERP, CIS, Data Warehouse	CIS, Data Warehouse	CIS, Data Warehouse
Solution Examples	RedCap, Survey Softwares		Kairos CENTRAXX, Brightfish, Heartbeat…	heyPatient?, future solutions
Provided by / Run by	University, Univ. Hospital, medical associations, pharmaceutical industry	Hospitals (QM, Admin) Health Government (BAG, GD ZH)	Hospitals	"Verbund"? National infrastructure? University Hospitals?
Regulatory Requirements	Ethics approval; some studies acc. to MDR	None	Needs MDR CE mark certificate	Needs MDR CE mark certificate

Software Implementation

Make — **Integrate** — **Buy**