

Self-Assessment Tool for implementing the 2020 Standards for Health Promoting Hospitals and Health Services



The International Network of Health Promoting Hospitals and Health Services

The International HPH Secretariat is based out of the office of OptiMedis AG:

Burchardstrasse 17
20095 Hamburg
Germany
Phone: +49 40 22621149-0
Fax: +49 40 22621149-14
Email: info@hphnet.org

© The International Network of Health Promoting Hospitals and Health Services 2021

The International Network of Health Promoting Hospitals and Health Services welcomes requests for permission to translate or reproduce this document in part or full. Please seek formal permission from the International HPH Secretariat.

Recommended citation: International Network of Health Promoting Hospitals and Health Services. Self-Assessment Tool for implementing the 2020 Standards for Health Promoting Hospitals and Health Services, Version 1.1. Hamburg, Germany: International HPH Network; November 2021.

Acknowledgements

HPH Networks, Coordinators, Governance Board members, and Task Force/ Working Group leaders from 11 Networks provided valuable contributions to the development of the measurable elements presented in this document.

We would like to thank the following experts and HPH Networks for sharing their expertise and experience: Dr. Cristina Aguzzoli (Friuli Venezia Giulia HPH Network, Italy); Dr. Mohamad Ali Seif-Rabiee MD (Iran); Dr. Francois Alla (France); The Czech HPH Network; Dr. Susan Frampton (USA); Dipl. Med Olaf Haberecht and Marit Derenthal (German HPH Network); Prof. Margareta Kristenson and Dr. Ralph Harlid MD PhD (Swedish HPH Network); Dr. Ming-Nan Lin (Taiwanese HPH Network); Birgit Metzler and Prof. Jürgen Pelikan (Austrian HPH Network); Dr. Ilaria Simonelli (Trentino HPH Network, Italy); and Prof. Dr. hab. n. med Bożena Walewska-Zielecka (Polish HPH Network).

We would further like to acknowledge Dr. Janika Bloemeke, Nina-Sofie Krah, Maria Muenzel, and Paula Zietzsch (OptiMedis) for providing expert advice in the formulation and revision of the standards' measurable elements.

The consultation process to define measurable elements for the 2020 Standards for Health Promoting Hospitals and Health Services as well as the production of this document were led by Dr. Oliver Groene and Keriin Katsaros of the International HPH Secretariat.



Contents

Aim of the self-assessment tool	1
The focus on health orientation and health outcomes	2
The development process of the self-assessment tool	3
How can the self-assessment tool be applied?	4
Format of the self-assessment tool	8
Standard 1: Demonstrating organizational commitment for HPH	9
Standard 2: Ensuring access to the service	15
Standard 3: Enhancing people-centered health care and user involvement	20
Standard 4: Creating a healthy workplace and healthy setting	32
Standard 5: Promoting health in the wider society	37
References	45

Aim of the self-assessment tool

This document presents self-assessment forms for the 2020 Standards for Health Promoting Hospitals and Health Services that operationalize the standards and provide concrete measurable elements, against which performance can be measured.

The main purpose of the document is to provide a tool that can support hospitals and health services in

- > assessing and implementing health promotion.
- > stimulating processes of continuous internal improvement.
- encouraging the refocusing of the organization's strategy, to better address overarching health system challenges and to truly convert the organization into a health promoting setting.

Organizations, particularly those in the International HPH Network, are strongly encouraged to use the self-assessment tool.

As the standards are considered public domain, we further encourage quality improvement agencies and accreditation bodies to integrate the standards for health promoting hospitals and health services in their existing standards.



The focus on health orientation and health outcomes

'Health promoting hospitals and health services (HPH) orient their governance models, structures, processes and culture to optimize health gains of patients, staff and populations served and to support sustainable societies." (1)

The International Network of Health Promoting Hospitals and Health Services (HPH) was founded on the settings approach to health promotion as a response to the World Health Organization's (WHO) Ottawa Charter for Health Promotion action area, 'reorienting health services' (2). WHO inspired a movement by initiating an international network of national and sub-national networks that supported the implementation of this concept (3).

HPH's whole-of-system approach created movement that brought several health reform shifts together: patients' or consumer rights, primary health care, quality improvement, environmentally sustainable ("green") health care, and health-literate organizations.

The organizational development strategy of HPH involved reorienting governance, policy, workforce capability, structures, culture, and relationships towards the health gain of patients, staff, and population groups in communities and other settings.

As of 2021, the International HPH Network consists of more than 600 hospitals and health service institutions from 33 countries (Figure 1).

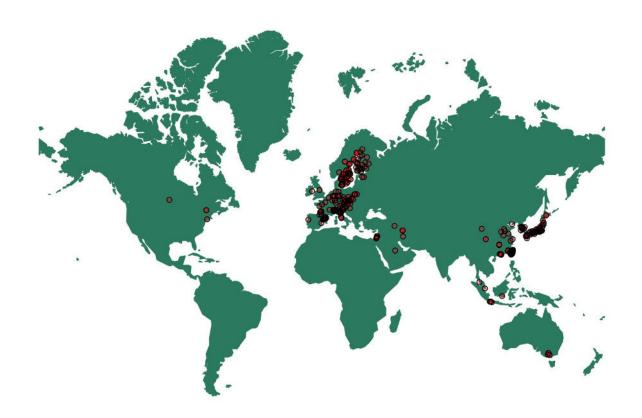


Figure 1: Location of HPH Members

The development process of the self-assessment tool

The original Manual and Self-assessment Forms for implementing health promotion in hospitals developed by the WHO in 2006, were developed by following the steps proposed in ISQua's ALPHA program, which draws on a critical appraisal of available literature and evidence, drafting and piloting of standards, and implementation (4, 5). Likewise, this process was followed by various HPH Task Forces and Working Groups, which developed subsequent domain-specific standards.

The HPH General Assembly requested that all standards be integrated into an overarching standard set, representing the breadth of the vision of the HPH concept and members. This work was to build on an analysis conducted by Dr. Chiarenza, which consisted of a comprehensive mapping work that identified differences and commonalities about important domains in seven standards sets developed by HPH Task Force and Working Groups. Based on this analysis, seven domains and relative subdomains were identified for a set of initial Umbrella Standards (6).

A Working Group led by the International HPH Secretariat was established in early 2020 to build on this analysis and to organize a two-stage Delphi study to refine it further. The Delphi study aimed to assess the standards with regard to the RUMBA principles. RUMBA stands for Relevant, Understandable, Measurable, Behavioral, and Actionable.

In a first step, the Delphi study elicited assessments of comprehension, scope, and importance of the overarching standards, definitions, and substandards. A rating was made of clarity of formulation and priority of the standards and its substandards. An expert panel comprising the HPH Governance Board, Standing Observers, National and Regional Coordinators, and HPH Task Force and Working Group leaders were invited to participate.

In the second Delphi consultation round, all standards contained within the defined dimensions and substandards were rated again on their clarity and priority. In addition to the quantitative assessments, both rounds elicited qualitative comments to help structure, align, and formulate the standards. The Working Group reviewed all quantitative and qualitative comments from the expert panel and synthesized the feedback. As a result, the 2020 Standards for Health Promoting Hospitals and Health Services were presented and approved by the HPH General Assembly.

The process to define the measurable elements in this document began with inviting the same expert panel to propose measurable elements for each standard and its substandards. A working group composed of members from the HPH Secretariat and the German HPH Network condensed and synthesized the responses received from 11 HPH Networks based on the following assessment attributes of the proposed measurable elements:

- > directly observable and able to be observed as being met or not met
- > preference for being able to be reviewed based on existing documentation, rather than requiring a survey
- > logical and widely applicable in various institutional and regional contexts
- focused on facts, documents, or other sources that help measure/observe/prove the implementation of the standard

This critical assessment resulted in an initial list of proposed measurable elements which was redistributed to the expert panel for their evaluation. In a final step, the internal working group incorporated feedback. The final list of measurable elements, reflecting the experience in assessing the implementation of the Standards for Health Promoting Hospitals and Health Services is found in this tool.

How can the self-assessment tool be applied?

Approaches for quality assessment can be grouped broadly into internal and external assessment:

- > Internal assessment refers to assessment based on judgement or institutional selfassessment based on standards.
- > External assessment refers to expert inspection or accreditation.

Self-assessment is a process used by healthcare organizations to assess their level of performance in relation to established standards and to implement measures for continuous improvement. This process enables management to identify areas of good practice and those where there is a need for improvement. Hospital management can then prioritize and plan necessary actions or replicate good practices in further departments of the hospital or health service.

Accreditation is also usually based on self-assessment but is followed up by an external peer evaluation process. The external assessment typically results in an overall evaluation of hospital quality, by identifying priority areas for improvement and, provided the stated level of performance is achieved, in a formal declaration of the hospital being accredited.

There are two main lessons to be learned through processes of self-assessment and accreditation: quality improvement requires data on performance and a culture of improvement.

Without data on performance, measured by standards, no clear direction for quality improvement can be recommended. And, without a culture of participation and support, even if data on the quality of care are available, quality improvement proposals cannot be implemented. The strategy of self-assessment is therefore one of encouragement and education, assisting health care organizations as they develop continuous quality improvement processes.

Clarifying responsibilities

Health promotion cannot be delegated to a specific role or function within the hospital or health service; it is everyone's responsibility to contribute. A team needs to be established for the project with clearly defined roles and responsibilities:

- Management: Essential to the success of this project is the commitment of the chief executive, governing body, and senior managers of the organization, to ensure implementation of the action plan and to provide resources to undertake the task.
- > Project leader: A project leader is appointed to lead the process and train others in carrying out the self-assessment.
- Lead person for standards: Lead persons will take responsibility for assessing the level of compliance with a standard and substandards. They will be responsible for collecting the evidence that supports their response.

Multidisciplinary steering group: The project leader establishes a multidisciplinary steering group that represents the staff at all levels. The steering group meets on a regular basis to discuss progress with the self-assessment, generate ideas across disciplines and promote greater ownership of the project. Members of the steering group shall ideally include a senior nurse who may also be responsible for quality/clinical audit, a senior and junior doctor, a senior manager, a human resources/personnel member, a member of staff from ancillary professions allied to medicine (e.g., physiotherapy, occupational therapy), general support medical services (e.g. radiology) and/or a member of staff from general non-clinical services.

Collecting data

Staff at different organizational levels should be involved in collecting data and assessing the standards. There is little value in a single person completing the self-assessment without the involvement of relevant staff, as this may also prevent staff from taking ownership and learning from the process.

Three main data sources can be used for the assessment of standards:

- Routine information systems: Routine information systems may include information for some of the health promotion standards. Data available from routine sources, if available, should be used for the self-assessment to reduce the workload of data collection. However, the type of information contained in such databases may not be sufficiently specific for the purpose of assessing health promotion issues.
- Survey methods: Surveys need to be carried out for a range of measurable elements.
 This may be a survey on the experience of patients or staff members.
- Audit procedures: an audit of patient records is required for some measurable elements. Following established practice, we recommend that 50 records of discharged patients are chosen randomly for assessment. The audit should be conducted by an interdisciplinary group of professionals with good knowledge of the unit's documentation routines. The term "patient records" reflects various documentation (medical records, nursing records, therapist and dietician's notes etc.) that must be taken into consideration during the assessment.

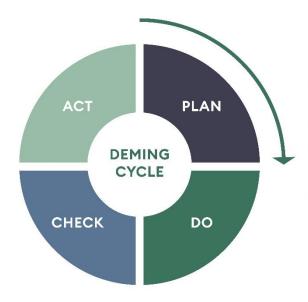
Interpreting results

It is difficult to interpret the result of the assessment without a standard of comparison by which it can be compared. The different types of comparisons are:

- internal comparison over time (comparing ratings before and after quality improvement efforts),
- external comparison to similar providers (e.g., peer groups) at a single point in time or over time,
- > prescriptive standard (e.g., goals set by regional health plans).

Developing a quality improvement plan

It is recommended to follow the plan-do-check-act (PDCA) cycle. The PDCA cycle was originally conceived by Walter Shewhart in the 1930's, and later adapted by W. Edwards Deming (7,8). The cycle provides a framework for improving processes within a system. It can be used to guide the entire improvement project, or to develop specific projects once target improvement areas have been identified. The PDCA cycle can be used as a dynamic model (Figure 2): the completion of one turn of the cycle flows into the beginning of the next.



Plan: planning an activity, project, or procedure aiming at improvement. This entails analyzing what needs to be improved, identifying areas that present opportunities for change, and deciding where the greatest impact can be realized.

Do: carrying out the change or testing (preferably on a small scale) and implementing the change identified in the "plan" phase.

Check: reviewing results and analyzing failure and success. This is a crucial step in the PDCA cycle. After implementing changes, their impact must be assessed - are their intended improvements realized?

Act: Adopting the change, abandoning it, or repeating the cycle.

Figure 2: Plan-Do-Check-Act Cycle

Each section of the tool contains a text box where quality improvement actions can be documented and responsibilities for that action be identified. Notes and observations should include a timeframe for that action and its expected results.

The project leader, together with the steering group, records data as accurately and realistically as possible. When the self-assessment is completed, the steering group will be able to identify areas of good practice and areas for improvement. An action plan can then be developed. It is important that actions in the plan consider local and national priorities, targets, and the organization's own available resources. To monitor development, the action plan should also be integrated into existing management systems.

After successful identification of quality improvement potentials, planning and implementation of activities, subsequent self-assessments need to be carried out to continue the quality improvement circle. As each full PDCA cycle comes to completion, a new and slightly more complex project can be undertaken to continuously improve services further.

Format of the self-assessment tool

The current version of these standards includes 5 standards, 18 substandards, and 85 standard statements. The measurable elements are presented in a structured manner as follows (Figure 3):

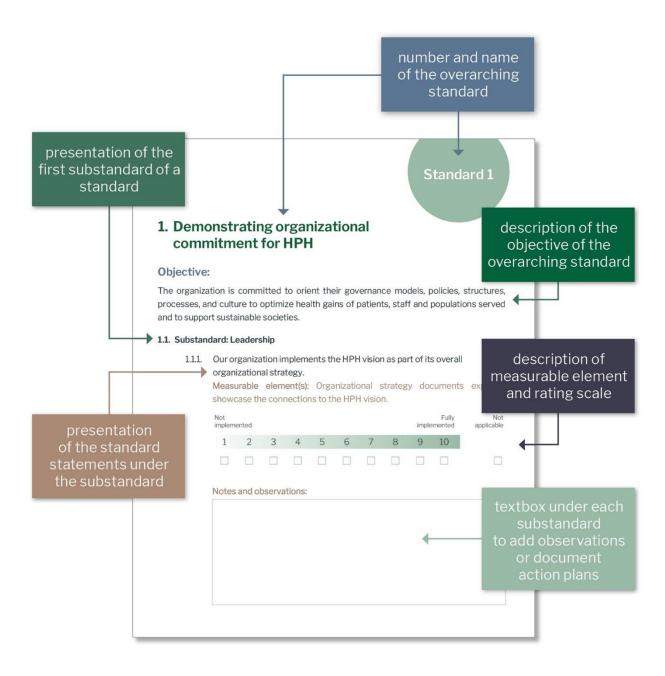


Figure 3: Format of the self-assessment tool



1. Demonstrating organizational commitment for HPH

Objective:

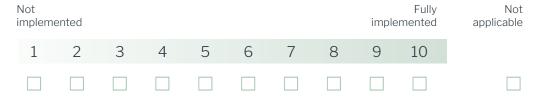
The organization is committed to orient their governance models, policies, structures, processes, and culture to optimize health gains of patients, staff and populations served and to support sustainable societies.



1.1. Substandard: Leadership

1.1.1. Our organization implements the HPH vision as part of its overall organizational strategy.

Measurable element(s): Organizational strategy documents explicitly showcase the connections to the HPH vision.



1.1.2.	HPH v	rision. u <mark>rable</mark> (s of the
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
1.1.3.	Measu	ırable	elemer	nt(s): C)rganiz	ationa	l visior	ı, missi	ion, an	d values	ovement. ovement.
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
1.1.4.	task le progre Measu descri	eaders ess rep u rable (for the ort for elemer include	e stand the b nt(s): A e the p	dards' s oard. Jeader oroduc	subdor r and t	mains, ask lea	who po	roduce ire app	es an an	theirjob
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
1.1.5.	Measu descri action	urable of ptions orient	elemer includ	nt(s): A e the p	leade	r and t	ask lea	aders a	re app	s report Fully	their job and Not
	impleme		_		_		_			mented	applicable
	1	2	3	4	5	6	7	8	9	10	

1.1.6.	Meas ı meeti	aff ind urable ong age	eleme	nt(s): A	revie	w of th	е НРН	vision	is pres	sent in t tings.	
	Not implem	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
1.1.7.	the HI	PH visi	on. e <mark>leme</mark> i	nt(s): Ir	nductio	on trair	ning ma	aterial		practice ome pac	es address ckages,
	Not implem	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
	Notes	and ob	oserva	tions:							
1.2. Substance	dard: P	olicy									
1.2.1.	vision reorie	. Meas untation	rable of ho	eleme spital/	nt(s): N health	dission servic	and ai	ims sta	atemer e heal		HPH port the . (HPH logo Not applicable
	1	2	3	4	5	6	7	8	9	10	

1.2.2.	Measu	ı rable e ganizat	elemer	n t(s): Ai	ms an	d miss	sion are	e clear	ly docı	keholde umente ble (pos	d (e.g., on
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
1.2.3.	includi Measu HPH a	ng reso I <mark>rable e</mark>	ources elemer and fie	, space It(s): A eld obs	e, and e budge ervatio	equipr et is de ons (ot	nent, to signat oserva	o imple ed for ble ele	ement the im	the HP	ructure, H vision. Itation of ing
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
	Notes	and ob	eservat	ions:							

1.3. Substan	dard: M	onitor	ing, in	pleme	entatio	n, and	l evalu	ation			
1.3.1.	health Measu	in the Irable eation he	popula element ealth f	ation a nt(s): E actors	s a bas videnc is avai	sis for loce of or lable a	plannir rganiza	ng and ntional	evalua report	ating se s/analy	
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
1.3.2.	to ass	ess the urable of g to HF ole.	e imple eleme	ementa nt(s): Ir	ation o oforma	f the H	IPH vis	ion. allow	for the		tion of data is Not applicable
	1	2	3	4	5	6	7	8	9	10	
1.3.3.	are pe	riodica ı <mark>rable</mark> e	ılly eva e <mark>leme</mark> i	aluated nt(s): R	l. ecent	examp				f health mes rep	outcomes
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	

Notes and observations:		



2. Ensuring access to the service

Objective:

The organization implements measures to ensure availability, accessibility, and acceptability of its facilities.



2.1. Substandard: Entitlement and availability

2.1.1. Our organization has a procedure to assess and to provide support for people where ineligibility or lack of resources (insurance or economic) compromises human rights.

Measurable element(s): The organization provides evidence of assessment procedures is available and relevant staff is trained on its utilization.

N in	ot npleme	nted							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	

2.1.2. Our organization informs all patients about their rights and our health promotion policies.

Measurable element(s): A patient rights statement is easily accessible, available in key languages of the community, and in multiple mediums.

Not implem	ented							imple	Fully emented	Not applicable
1	2	3	4	5	6	7	8	9	10	

	Notes	and ol	oserva	tions:							
2.2. Substan	dard: In	ıforma	tion a	nd acc	ess						
2.2.1.	Our or	ganiza	ation's	contac	ct infor	matio	n locat	tion ar	nd arriv	/al infor	mation are
					search			erori, ar	ia arriv		macionaro
					he wel	bsite c	lisplays	s conta	act info	ormatio	n, location,
	and ar	rival in	forma	tion.							
	Not impleme	ented							imple	Fully emented	No [.] applicable
	1	2	3	4	5	6	7	8	9	10	
2.2.2.	The o	rganiza	ation's	websi	te is ea	asy-to-	use, al	so for	people	e with Ic	w (digital)
			_				us lang	guages	basec	on the	
	-				popula		!! -	la la dia d			
					ne wei in plain			ible in 1	ine co	mmuni	y's key
	Not	1800 ui	10 15 W	TTCCCTT	прап	ianga	4801			Fully	No
	impleme	ented							imple	emented	applicable
	1	2	3	4	5	6	7	8	9	10	

2.2.3.	consid groups Measu	dering s. urable of pond to	health eleme to heal	literac	cy, lang Vritten	uage, mater	and co ials an	gnitive d navi	e capal	al asses	of patient esments pabilities of
	Not impleme								imple	Fully	Not applicable
	1	2	3	4	5	6	7	8	9	10	
2.2.4.	disadv Measu toward	vantag u rable d ds spe	ed gro eleme cific m	ups. nt(s): E argina	videnc	ce of o	utreac Ivanta	h com	munica	arginali ation ta age, ger Fully	rgeted
	impleme	ented							imple	mented	applicable
	1	2	3	4	5	6	7	8	9	10	
2.2.5.	visitor Measu have b	s inde urable o oeen co	pende eleme onduct	nt of ir nt(s): A ted tha	npairm ssessr	nents o ments onstra	or disat of the te app	oilities. health ropriat	literac	y patier cy envir in relat	onment
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	

		Notes	and ob	serva	tions:							
2.3. St	ubstand	lard: So	ocio-cı	ultural	accep	tabilit	у					
	2.3.1.	Our or	ganiza	tion de	emons	trates	aware	ness o	f and r	espec	t for the	e values,
			-				_	-			nmunity	
										_	nguage: ed where	s of the e
			_		•						and cul	
		approp	oriate r	nutritic	nal an	d relig	ious se	ervices	are of	fered.		
		Not impleme	ented							imple	Fully mented	Not applicable
		1	2	3	4	5	6	7	8	9	10	
	2.3.2.	Our or all pati					ecial r	neasur	es to e	ensure	that th	e rights of
							atic ev	aluatio	ns wit	h patie	ents are	
									ress pa	atient r	rights in	the
		organi	zation'	s polic	ies an	d staff	trainir	ng.				
		Not impleme	ented							imple	Fully mented	Not applicable
		1	2	3	4	5	6	7	8	9	10	

2.3.3.	needs Measu	of vulr rable e	nerable elemer ne need	e perso nt(s): S	ons. ystema	atic ev	aluatio	ns are	e condi	ucted a	nd applied children
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
2.3.4.	improv tested distrib	ved fol I with r ution. Irable	lowing eprese	the or entativ nt(s): R	utcomees of t	es. Dig arget ;	rital sei groups ot test	rvices and p	and ne	s before	a are pre-
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
	Notes	and ob	oserva	tions:							



3. Enhancing people-centered health care and user involvement

Objective:

The organization strives for the best possible patient-centered care and health outcomes and enables service users/communities to participate and contribute to its activities.

3.1. Substandard: Responsiveness to care needs

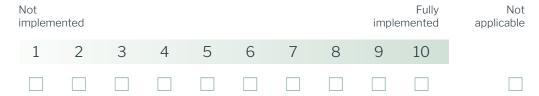
3.1.1. Our organization partners with patients, their families, and caregivers to develop procedures to assess patients' health needs.

Measurable element(s): Mechanisms can be described by which the organization partners with patients, families, and caregivers to develop procedures for health needs assessments.

Not mpleme	ented							imple	Fully mented	Not applicable
1	2	3	4	5	6	7	8	9	10	

3.1.2. Our organization has a standardized approach to assessing and documenting the need for interventions concerning behavioral risk factors (such as tobacco, alcohol, diet/nutrition, and physical inactivity).

Measurable element(s): Data collection forms and patient records include and allow for the collection of data concerning behavioral risk factors using the HPH Data Modell.



3.1.3.	somat menta	ic pation l illnes: rable o	ents ar s or dis elemer	nd to id sease. nt(s): R	dentify	soma	tic hea	Ith risk	ks amo	ong patio	s among ents with plemented
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
3.1.4.	the act	tive co sociat rable e arter c	ntributed care elemer on the I	tion of e prov nt(s): C Rights	childro iders. onven of Chi	en, par tion or	ents, r	elative	es and of	caregiv	ed with ers, peers, ICEF and
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
3.1.5.	in orde	er to de rable e	etermir e <mark>leme</mark> r	ne nee nt(s): P	eds and rocedu	d reduc ures ar	ce ineq	ualitie ace for	s in ou identi	r health	e patients services. ulnerable
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
	Notes	and ob	servat	tions:							

3.2. Substandard: Responsive care practice

3.2.1.	safe a	nd the urable	ir digni e <mark>leme</mark> r	ty and nt(s): P	identi [.] atient	ty are and fa	respec	ted. edbac	k and		milies feel data on
										atient ri	
	Not impleme		,					<i>3</i> , 0		Fully	Not applicable
	1	2	3	4	5	6	7	8	9	10	
3.2.2.	space: Measu their p enviro	s and v urable e ercept nment	vith ap elemer ions o	propri nt(s): P f the c	ate tim atient	ne that and fa perien	suppo mily fe ce are	orts eff eedbac used t	ective k and o impr onsult	survey (ove the ation).	unication. data on care
	impleme		2	4	_	C	7	0		mented	applicable
	1	2	3	4	5	6	7	8	9	10	
3.2.3.	patien possib Measu their p	ts have oility fo urable e ercept nment	e the ri r partr elementions o	ight to ners or nt(s): P f the c	find pl next o atient are exp	laces to the standard far and far perien	o relax o stay mily fe ce are	k. Whe is assured backed to whether the world with the world to the wo	re apported. k and so impr	ropriate survey (data on
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	

3.2.4.	partne proces Measu	ers as c sses al urable (co-proc ong th eleme	ducers e care nt(s): E	in hea	Ilthcar ay. es of s	e and i hared	n share	ed dec on-mal	s to bec ision-m king aid	
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
3.2.5.	age-ap	opropr ive car urable (iate pr e. elemei	eventi nt(s): R	on, pro	omotic	n, trea	tment	, rehab	ilitation	turally and , and nization's
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
3.2.6.	depart Measu	orates tments urable o	health a' clinic eleme	n promal al prad nt(s): G	notion, ctice gr Guidelin	rehabi uidelin nes on	litatior es or p high-ri	n and ri pathwa isk scr	isk ma iys, as eening	nageme approp	ent into its riate. niors that
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	

3.2.7.	Friend	ly Hos Irable	pital In e <mark>leme</mark> r	itiative nt(s): A	e recor	mmeno /UNICI	dations EF Bab	5.			F Baby- or other
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
3.2.8.	Tobac	co Fre	e Heal e <mark>leme</mark> r	thcare nt(s): A	Servi	ces.				Networnealthca	are service
	impleme	ented							imple	mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
	Notes	and ob	oserva	tions:							

3.3.	Substand	dard: Pa	atient and	provider	communication
				p. 0	

ubstan	dard: Pa	atient	and pr	ovide	comn	nunica	ition				
3.3.1.	decision families Measu complete of the	on-ma es in th urable e aints a experi mains:	king as eir car elemen nd sur ence c patien	e. nt(s): T vey da of care t-prov	he org ta fror are us	ols to s anizat n patie ed to i	suppor ion car ents an mprov	t an ac n demo nd fami ne the c	nstrat lies on are er	ole of pat te that part their pe	erceptions ent (focus
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
3.3.2.	and paccomm technii Measu curricu patien	atient-ounicat ques. urable oulum in t-centou	center ion thr elemen	ednes ough r nt(s): S s guida	s. This methoo taff tra	applie ds suc aining (s to bo h as pla progra	oth writ ain lang ms are	tten ar guage availa inicatio	or teach able; thei on skills Fully	n-back r and Not
	impleme		2	4	_	C	7	0		emented	applicable
		2	3	4	5	6	7	8	9	10	
3.3.3.	trains Measu their p enviro questi Not	patien urable of ercept nment ons).	ts to as elementions o	sk que nt(s): P f the e	stions. atient xperie	and fa nce of	mily fe	edbac re use	k and s d to im ion, pa	survey d nprove tl tients as Fully	ne care sking Not
	impleme	ented 2	3	4	5	6	7	8	imple 9	emented 10	applicable
				T							

3.3.4.	provid Measu	er con Irable on ng ser	nmunic e <mark>leme</mark> r	cation, nt(s): D	where	e neede entatic	ed. on of la	nguag	e trans	ite patie slation s vices ar	ervices,
	Not impleme	ented							imple	Fully	Not applicable
	1	2	3	4	5	6	7	8	9	10	
3.3.5.	In our Measu ask qu	ırable	elemer	nt(s): F	Proced	ures a	re in pl	ace to	encol	ırage pa	itients to
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
	Notes	and ob	oserva [.]	tions:							



3.4. Substandard: Supporting patient behavioral change and patient empowerment

3.4.1. Our organization provides patients with clear, understandable, and appropriate information about their current condition, treatment, care, and factors influencing their health.

Measurable element(s): Examples of patient information or discharge letters are provided and assessed for comprehensiveness according to the standard.

Not impleme	ented							imple	Fully emented	Not applicable
1	2	3	4	5	6	7	8	9	10	

3.4.2. Based on individualized patient needs assessments, our organization offers short or intensive counseling services concerning major risk factors, such as tobacco, alcohol, diet/nutrition, and physical inactivity.

Measurable element(s): The organization demonstrates the needs assessment procedure and the availability of short or intensive counselling services.

Not impleme	ented							imple	Fully emented	Not applicable
1	2	3	4	5	6	7	8	9	10	

3.4.3.		s to the I <mark>rable</mark>	eir pati elemer	ent re nt(s): A	cord.	to the	patien	t recoi	rd is ev		d through
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
3.4.4.	decisio	on aids I <mark>rable</mark> (, wher elemer	e appr nt(s): E	opriate xample	e. es of s	hared	decisio	on-mak	king aid	of patient s and
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
3.4.5.	that he long-to Measu percep	elp pat erm fo rable e otions nment	ients n llow up elemer of the	nanag o. nt(s): P e exp	e their atient a erience	conditand far	tion, in mily fee care a	prepared backers	ration of kands	of disch urvey d improv	ata on their e the care ment, care
	impleme				_		_			mented	applicable
	1	2	3	4	5	6	7	8	9	10	
	Notes	and ob	serva	tions:							

1 2 3 4 5 6 7 8 9 10 3.5.2. Our organization identifies users at risk of being excluded from	
implemented implemented approximately approx	
3.5.2. Our organization identifies users at risk of being excluded from	
participatory processes and promotes the participation of those at ris exclusion and discrimination. Measurable element(s): Patients participating in organizational function are recruited from diverse socio-economic backgrounds.	
Not Fully implemented implemented approximately implemented approximat	Not pplicable
1 2 3 4 5 6 7 8 9 10	
3.5.3. In our organization, all documents and services relevant for patients a developed and tested together with patient advocates and represent of patient groups. Measurable element(s): The participation of patient advocates or patient advocate organizations in the organization's activities can be described.	atives ent
Not Fully implemented implemented approximately implemented approximat	Not pplicable
1 2 3 4 5 6 7 8 9 10	

3.5.4.	senior activit Measu	s, patie ies. Irable c Inteers	ents, a elemer s, stude	nd the nt(s): E ents, c	ir famil xample	olunteers, including students, community lies to participate and contribute to its es of advertising encouraging the inclusion nity seniors, patients, and their families in							
	Not impleme	ented							imple	Fully mented	Not applicable		
	1	2	3	4	5	6	7	8	9	10			
	Notes and observations:												
3.6. Substance	dard: Co	ollaboı	rating	with c	are pro	ovider	S						
3.6.1.	gain. Measu	ı rable e	elemer	nt(s): E	xample	es of c	ollabor	rations	provi		nize health can be		
	impleme		0		_	6	7			mented	applicable		
	1	2	3	4	5	6	7	8	9	10			

3.6.2.	Our organization has an approved procedure for exchanging relevant patient information with other organizations. Measurable element(s): A procedure is in place to exchange relevant patient information (with the possibility of IT integration, where appropriate).											
	Not impleme	ented							imple	Fully mented	Not applicable	
	1	2	3	4	5	6	7	8	9	10		
3.6.3.	the pareferri	tient's ng org Irable (quired	condit anizati elemer interv	tion, he on. nt(s): S ention	ealth ne umma s are ti	eeds, a ries of ransfe	and into	ervent	ions pi	rovided s, healt	ummary of by the h needs, nich can be	
	Not impleme	ented							imple	Fully mented	Not applicable	
	1	2	3	4	5	6	7	8	9	10		
	Notes	and ob	serva	tions:								



4. Creating a healthy workplace and healthy setting

Objective:

The organization develops a health promoting workplace and strives to become a health promoting setting to improve the health of all patients, relatives, staff, support workers, and volunteers.

4.1.	Substandard:	Staff health	needs. i	involvement.	and health	promotion

4.1.1.	Our organization offers regular assessments of staff health needs and
	offers health promotion concerning tobacco, alcohol, diet/nutrition,
	physical inactivity, and psychosocial stress.

Measurable element(s): Regular staff health assessments and evaluations are conducted; staff health promotion activities and services, as well as their uptake can be described.

Not implemented							Fully l implemented applica			
1	2	3	4	5	6	7	8	9	10	

4.1.2. During exceptionally demanding periods, these health needs assessments are adapted in order to identify possible support needs in a timely manner.

Measurable element(s): Based on staff health assessments, an adapted, quick procedure is in place for identifying appropriate services and the needs of all staff.

Not applicable	- 9				Not implemented							
	10	9	8	7	6	5	4	3	2	1		

4.1.3. Our organization develops and maintains staff awareness of health issues.

Measurable element(s): Regular staff interviews and surveys about health needs are conducted.

Not implemented							imp	Fully lemented	Not applicable	
1	2	3	4	5	6	7	8	9	10	

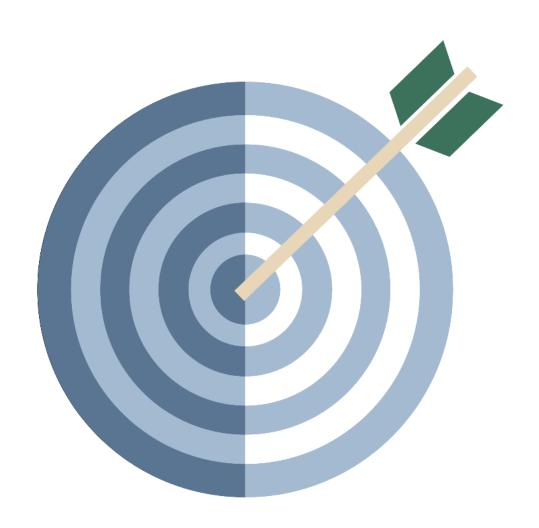
	clinica Measu (evide	l work Irable (nced b	proces elemer	sses a nt(s): P ting m	nd thei articip	r work atory r	ing en neetin	vironn gs wit	nent. h staff		nducted significant
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
4.1.5.	teams Measu	, where	e appro	opriate nt(s): M	9.				ate par	Fully	plinary on from
	impleme									mented	applicable
	1	2	3	4	5	6	7	8	9	10	
4.1.6.	psycho Measu	osocia	l work	enviro	nment	-	oromo [.]	ting w	orkplad	ce, addr	essing the
	suppo late in	rt), ear	ion co	ators	drivers (such a	s (such as com	as wo	rking o	conditi I health	n behav nce).	d social rior), and
	suppo	rt), ear dicato	ion co	ators	drivers (such a	s (such as com	as wo	rking o	conditi I health s abse	ons and h behav	d social
	suppo late ind	rt), ear dicato	ion co	ators	drivers (such a	s (such as com	as wo	rking o	conditi I health s abse	ons and behavence). Fully	d social rior), and Not
	suppo late ind Not impleme	rt), ear dicator	ion cor ly indic rs (sucl	ators n as hi	drivers (such a	s (such as com rotatic	n as wo Imitme In or si	rking (ent and cknes:	conditi I healtl s abse imple	ons and h behav nce). Fully mented	d social rior), and Not

4.2. Substandard: Healthy setting

		_		_							
4.2.1.	feel sa Measu enviro	fe, wit I <mark>rable e</mark> nment	h their elemer ; patie	dignit nt(s): S nt and	y and i urvey a family	dentity and int	y respe	ected. v data	reflect	a respe	s and staff ectful ilized to
	identif	y areas	s of im	prove	ment.						
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
4.2.2.	physic	al envi I <mark>rable</mark> (ironme elemer	ent wh nt(s): E	enever	r pract es of L	ical, af Inivers	fordab al Des	le, and	l possib	sign to its le. throughout
	impleme	ented							imple	emented	applicable
	1	2	3	4	5	6	7	8	9	10	
4.2.3.		rable e	elemer	nt(s): F	ield ob	_				omforta Flect a c	ible. lean and
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
4.2.4.	stable Measu	furnitu I rable (laces r	ure, an elemer eflect	d clear nt(s): F good I	r walkv ield ob	vays. servat	ion an	d audit	ts/risk	floor su evaluat stable f	
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	

4.2.5.		s to rel Irable (tiative	lax, ex elemer s desig	ercise, nt(s): F	and so	ocialize servat	e. ion ref	flects t	he pre	sence (of rooms exercise,
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
4.2.6.	from to Measu available nutrition	he pre urable e ole that on (incl ment p	mises elemer t are in luding	and its nt(s): F accor certifi	s imme ield ob dance cation,	diate s servat with n where	surroui ion she ationa availa	nding. ows di I guide able). A	verse r elines f		n-wide
										-	
	impleme		0	4	-	6	-	0		mented	applicable
		ented 2	3	4	5	6	7	8	imple 9	mented 10	applicable
	impleme		3	4	5	6	7	8			applicable
4.2.7.	Our or alcoholomeast health are pro	ganiza ol free a urable e care o phibite	tion er and is a elemen rganiz d. An coned; ve	nsures able to nt(s): T ation (that the minimal of the organization-	ne hea nize un anizati n, the s wide a	Ith care necession is calle of a greem	e envir sary no ertifie alcoho nent pr	9 conmercoise. d as a to and to ohibiting	10 int is sm cobacco bacco ng toba	oke and
4.2.7.	Our or alcoholomeasu health are properties alcoholomeasu a	ganiza ganiza ol free a urable e care o phibite ol is sig se are o	tion er and is a elemen rganiz d. An coned; ve	nsures able to nt(s): T ation (that the minimal of the organization-	ne hea nize un anizati n, the s wide a	Ith care necession is calle of a greem	e envir sary no ertifie alcoho nent pr	onmeroise. d as a too hibiting veys ar	10 int is sm cobacco bacco ng toba	oke and o-free products
4.2.7.	Our or alcoholomeasu health are produced of noise Not	ganiza ganiza ol free a urable e care o phibite ol is sig se are o	tion er and is a elemen rganiz d. An coned; ve	nsures able to nt(s): T ation (that the minimal of the organization-	ne hea nize un anizati n, the s wide a	Ith care necession is calle of a greem	e envir sary no ertifie alcoho nent pr	onmeroise. d as a too hibiting veys ar	10 Int is sm cobacco bacco ng toba nd risk e	oke and o-free products acco and evaluations





5. Promoting health in the wider society

Objective:

The organization accepts responsibility to promote health in the local community and for the population served.

5.1. Substandard: Health needs of the population

5.1.1. Our organization collects data on service utilization patterns in the catchment area, as one data source to improve access and equity.
Measurable element(s): Reports on service utilization patterns in the catchment area include relevant public health indicators (such as primary care sensitive hospital admissions or fit between key epidemiological drivers and the organization's services).

Not impleme	ented							imple	Fully emented	Not applicable
1	2	3	4	5	6	7	8	9	10	

5.1.2. Our organization collaborates with public health organizations to collect information on health status, health care needs and determinants of health in the catchment area.

Measurable element(s): Cooperations with local public health organizations to collect health information in the catchment area are documented.

Not mpleme	ented							imple	Fully emented	Not applicable
1	2	3	4	5	6	7	8	9	10	

5.1.3. Our organization collaborates with public health organizations to collect information on disease prevention and health promotion needs in the catchment area.

Measurable element(s): Cooperations with local public health organizations to collect disease information in the catchment area are documented.



5.1.4.								_		has ide	entified tchment
	Meası	u rable o					eflect	needs	assess	sments	developed
	Not implem	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
	Notes	and ol	oserva	tions:							
5.2. Substand	dard: A	ddress	sing co	ommui	nity he	alth					
5.2.1.		rganiza fined a							such a	s health	n dialogues
	Measi		eleme	nt(s): E	videnc	ce of o	utreac		ventio	ns can l	be found
	Not implem								imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	

5.2.2.	knowle initiati	edge t ve, and <mark>Irable</mark>	ransfe d active eleme e	r on de ely par	etermi ticipat	nants o	of heal ollabo	th and rative	servic interve	e utiliza entions.	to support ation, takes and events
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
5.2.3.	disadv throug	rantag gh loca grable ations	ed pop Il comr <mark>eleme</mark> i	oulatio munity nt(s): E	ns in the -based vidence	ne com d care ce of s	nmunit center ervices	y, inclu s. s targe	ıding h		rvices to sits and taged Not applicable
	1	2	3	4	5	6	7	8	9	10	
	Notes	and ol	oserva	tions:							

5.3. Substandard: Environmental health

	enviro proces	nment sses. urable	t by ad	vancir nt(s): S	ig the u	use of s	safe ch	nemica erials,	als, ma	ommun terials, ocesse	
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
5.3.2.	health manag	secto gemen urable lume a	r and interest and of the control of	mplem disposa nt(s): D dicity o	nents the al option ocume f waste	he mosons. ented per and f	st envi orocec	ronme dures a	ntally s	sound v	uced by the waste measuring
	Not impleme	ented							imple	Fully mented	Not applicable
					_						
	1	2	3	4	5	6	7	8	9	10	
	1	2	3	4	5	6	7	8	9	10	
5.3.3.	Our or efficie	ganiza ncy as	ation re well a	educes s alter nt(s): E	the us	se of for renew	ossil er vable e	nergy anergy.	nnd fos	□ ters en	ergy rces are
5.3.3.	Our or efficie	ganiza ncy as urable o	ation re well a	educes s alter nt(s): E	the us	se of for renew	ossil er vable e	nergy anergy.	nnd fos sumpti	□ ters en	
5.3.3.	Our or efficie Measu condu	ganiza ncy as urable o	ation re well a	educes s alter nt(s): E	the us	se of for renew	ossil er vable e	nergy anergy.	nnd fos sumpti	ters en	rces are

measu waste Measu consul	ures to water urable o mptior	reduc pollution elemen	e hosp on. nt(s): D	oital/he Oocume	ealth se	ervice v	water of	consur	nption a	and vater
Not impleme	ented							imple	Fully mented	Not applicable
1	2	3	4	5	6	7	8	9	10	
that recontril	educe to the state of the state	the hos to loca eleme	spital/ al pollu nt(s): P	health ition. ublic t	servic ranspo	es' clir	mate for	ootprir ow em	nt and it	S
Not impleme	ented							imple	Fully emented	Not applicable
1	2	3	4	5	6	7	8	9	10	
footpr sustain Measu locally	int by nably s nable of source	fosteri source elemen ced an	ng head d food nt(s): D d susta	althy ealthy eal	ating h commentation	abits a nunity. on abou	and acc	cessing	g locally irement	and t, waste,
Not impleme	ented							imple	Fully emented	Not applicable
1	2	3	4	5	6	7	8	9	10	
	measure waste Measure consume measure Not implement of the contribution of the contrib	measures to wastewater Measurable consumption measures. Not implemented 1 2 Our organization Measurable contribution Measur	measures to reduce wastewater pollution. Measurable element consumption are elemented. 1 2 3 Our organization de that reduce the host contribution to local measurable elemented. Not implemented. 1 2 3 Our organization option. Not implemented. 1 2 3 Our organization refootprint by fostering sustainably source. Measurable elemented. Measurable elemented. Our organization refootprint by fostering sustainably source. Measurable elemented. Not implemented.	measures to reduce hosp wastewater pollution. Measurable element(s): Document consumption are established measures. Not implemented 1 2 3 4 Dour organization develop that reduce the hospital/contribution to local pollution to local pollution measurable element(s): Petransportation options are transportation options are locally and the sustainably sourced food measurable element(s): Docally-sourced and sustainably sourced s	measures to reduce hospital/he wastewater pollution. Measurable element(s): Docume consumption are established with measures. Not implemented 1 2 3 4 5 Our organization develops transt that reduce the hospital/ health contribution to local pollution. Measurable element(s): Public to transportation options are inclusively. Not implemented 1 2 3 4 5 Our organization reduces the hospital health growth of the sustainably sourced food in the measurable element(s): Docume locally-sourced and sustainable reduce our environmental footput to the locally-sourced and sustainable reduce our environmental footput to the locally-sourced and sustainable reduce our environmental footput to the local l	measures to reduce hospital/health se wastewater pollution. Measurable element(s): Documented possible depends which all measures. Not implemented 1 2 3 4 5 6 Our organization develops transported that reduce the hospital/ health service contribution to local pollution. Measurable element(s): Public transportation options are included in Not implemented 1 2 3 4 5 6 Our organization reduces the hospital footprint by fostering healthy eating healthy sustainably sourced food in the communication of the c	measures to reduce hospital/health service wastewater pollution. Measurable element(s): Documented process consumption are established which allow us measures. Not implemented 1 2 3 4 5 6 7 Our organization develops transportation and that reduce the hospital/ health services' cliric contribution to local pollution. Measurable element(s): Public transportation transportation options are included in service. Not implemented 1 2 3 4 5 6 7 Our organization reduces the hospital/health footprint by fostering healthy eating habits a sustainably sourced food in the community. Measurable element(s): Documentation about locally- sourced and sustainable food source reduce our environmental footprint. Not implemented	measures to reduce hospital/health service water wastewater pollution. Measurable element(s): Documented procedures for consumption are established which allow us to impressive measures. Not implemented 1 2 3 4 5 6 7 8 Our organization develops transportation and serve that reduce the hospital/ health services' climate for contribution to local pollution. Measurable element(s): Public transportation and It transportation options are included in service deliveness. Not implemented 1 2 3 4 5 6 7 8 Our organization reduces the hospital/health service footprint by fostering healthy eating habits and account sustainably sourced food in the community. Measurable element(s): Documentation about food locally- sourced and sustainable food sources are considered. Not implemented	measures to reduce hospital/health service water consumwastewater pollution. Measurable element(s): Documented procedures for asseconsumption are established which allow us to implement measures. Not implemented implemen	Measurable element(s): Documented procedures for assessing very consumption are established which allow us to implement consequences. Not programme in the implemented implem

5.3.7.	the de Measu	esign, c urable	elemei er rele	iction, nt(s): T	and re he org	novati anizati	on of it ion is a	s facili certifi	ities. ed gre	en hos	tices into pital or has Hospital,
	impleme									emented	applicable
	1	2	3	4	5	6	7	8	9	10	
	Notes	and ol	oserva	tions:							
5.4. Substance	dard: S	haring	inforn	nation	, resea	rch, aı	nd cap	acity			
5.4.1.	preve vulner	ntion in	nterve o impr	ntions ove ac	and he	ealth ca ility an	are inn d quali	ovatio	ns targ are.	and disgeting to	he
	grants		esearc								schools can
	Not impleme	ented							imple	Fully emented	Not applicable
	1	2	3	4	5	6	7	8	9	10	

5.4.2.	interna Health Measu Netwo	ational Service Irable ork of Houtes t	/nation ces. elemented dealth o and/	nal/reg nt(s): T Promo	gional r he orgoting H	networ anizat ospita	iks of F ion is a Is & He	Health meml	Promo	oting Ho the Inte	vities in espitals and rnational aff aferences,
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
5.4.3.	involve users, health mixed Measu	e patie in the care re methor	nts, fa develo esearo ods). elemer	milies ppmen h (part	and cit t of res cicipato	cizens, search ory res	espec quest earch a	ially fro ions, m as well ment o	om ma nethod as qua f marg	rginalized	vities that ed service- eporting of and services esented.
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	
5.4.4.	Measu	societa I <mark>rable</mark> e	al heal ^s elemer	th cha nt(s): E	llenges	s. ce of p	ublic e	ducatio	on (pul		th and ures, press
	Not impleme	ented							imple	Fully mented	Not applicable
	1	2	3	4	5	6	7	8	9	10	

5.4.5. Our organization develops models and arenas for continued information to and in dialog with decision makers.

Measurable element(s): Minutes of working group meetings demonstrate dialogue with decision-makers.

Not impleme	nted							imple	Fully mented	Not applicable
1	2	3	4	5	6	7	8	9	10	
Notes	and ob	oserva	tions:							



References

- 1. Nutbeam D, Muscat DM. Health Promotion Glossary 2021. Health Promot Int. 2021 Apr 5:daaa157. doi:10.1093/heapro/daaa157.
- 2. The Ottawa Charter for Health Promotion [Internet]. World Health Organization; 1986. [cited 2021 Nov 10]. Available from: https://www.euro.who.int/_data/assets/pdf_file/0004/129532/Ottawa_Charter.pdf
- 3. International Network of Health Promoting Hospitals and Health Services. Wikipedia. [cited 2021 Nov 10]. Available from: https://en.wikipedia.org/wiki/International_Network_of_Health_Promoting_Hospitals_and_Health_Services
- 4. ISQua External Evaluation Association (ISQua EEA). The International Society for Quality in Health Care; [cited 2021 Nov 10]. Available from: https://ieea.ch/accreditation.html
- 5. Groene O. Implementing health promotion in hospitals: Manual and self-assessment forms. WHO European Office for Integrated Health Care Services; 2006 [cited 2021 Nov 10]. Available from: https://www.hphnet.org/wp-content/uploads/2020/03/Manual-Standard-Assessment_English.pdf
- 6. Chiarenza A. Umbrella standards process development. 25th Meeting of the HPH General Assembly; 2019 May 29; Warsaw.
- 7. Shewhart, Walter Andrew. Statistical method from the viewpoint of quality control. New York: Dover. Originally published: Washington, DC: Graduate School of the Department of Agriculture, 1939.
- 8. W. E. Deming; Out of the Crisis; Massachusetts Institute of Technology, Cambridge, 1982.