## **Equity Indicators Generation**

Welcome to this REDCap form for the Healthcare Equity Indicators taskforce. Here you will be able to input all the indicators you think would be pertinent. We will then gather them all, remove duplicates and submit them to the experts taskforce during the first meeting in the beginning of 2022.

Please, feel free to input as many pertinent indicators as you can think of. The indicators are split on the 3 criteria: Structure, Process and Outcome and 2 subcriteria Inpatients and Ouptatients. For any information on these criterias, we invite you to read the document "Healthcare Equity indicators: what are we looking for?" that we emailed you.

Thank you very much for your time and we look forward to read your suggestions.

1)	Expert's email, used to send the form to.	
	Structure indicators	
2)	Please fill in this box with your suggestions for equity of care indicators that concerns Structure for Inpatients.	(Discourant and and indicate the control of the con
	Example : Availability of Halal menu for inpatients	(Please separate each new indicator by a line break)
3)	Please fill in this box with your suggestions for equity of care indicators that concerns Structure for Outpatients.	
	Example : Availability of interpreters for outpatients consultations	(Please separate each new indicator by a line break)
	Process Indicators	
4)	Please fill in this box with your suggestions for equity of care indicators that concerns Process for Inpatients.	
	Example : Time between indication and surgery, difference by socio-economic status	(Please separate each new indicator by a line break)
5)	Please fill in this box with your suggestions for equity of care indicators that concerns Process for Outpatients.	
	Example : At least 2 pain evaluations per day, difference by gender	(Please separate each new indicator by a line break)
	Outcomes Indicators	
6)	Please fill in this box with your suggestions for equity of care indicators that concerns Outcomes for Inpatient.	
	Example : Change in pain prescription for patients with pain>7 on visual analog score, difference by gender	(Please separate each new indicator by a line break)
7)	Please fill in this box with your suggestions for equity of care indicators that concerns Outcomes for Outpatients.	
	Example : Screening for colorectal cancer among >50 y.o Difference by socio-economic status	(Please separate each new indicator by a line break)

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## **Equity Indicators Selection**

Welcome to this form for the first round of the healthcare equity indicators selection. We've taken all indicators you proposed during the generation stage, removed duplicates, and added the indicators coming from the scoping review.

Please rate each indicator by giving them a score from 0 (worst) to 10 (best) on the 4 criteria: Validity, Feasibility, Patient Coverage and Actionability. These dimensions are defined in the table below and the full document "Healthcare Equity indicators: what are we looking for?" that you received by email is available in the file repository (left side menu). If you would like to add an indicator or leave a comment, there is a free text box at the end of this survey.

Validity A test is valid for measuring an attribute if and only if a) the attribute exists and b) variations in the attribute causally produce variations in the outcomes of the measurement procedure

Feasibility Feasibility describes the ease to gather the indicator.

Patient Coverage Patient Coverage describes the amount of all patients that will be concerned by this indicator. For example, an indicator concerning only patients older than 95 would have a very low rating, whereas an indicator concerning all surgical care patients would have a high rating.

Actionability An indicator measures an aspect of quality that is subject to control by providers and/or the health care system and how much the value of the indicator could be modified by some actions

For indicators that we considered duplicates, we provided a summary title. If you feel an indicator you proposed disappeared, you can see the full list of indicators, and how we combined them in "Full list of indicators generated" in the file repository.

Thank you very much for your time!



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Structure Inpatient Indicators
Indicators Validity Feasibility Patient Coverage Actionnability Availability of interpreters
Rate of doctors speaking local language / dialect
Availability of mediators
Availability of documents of information and consent in several languages
Accessibility to informative documents in several foreign languages for patients or existence and systematic use of procedures to inform patients about their psychiatric diagnosis and health care, taking into account cultural and linguistic differences
Existence/activity of an institutional referent for issues related to migration, by a professional trained in transcultural approaches and psychotrauma related issues. Example: He/she can be called upon as a supervisor, consultant for complex clinical cases,
Ongoing/continuous training offer for employees on cross-cultural skills
Rate of staff with certified transcultural competencies
Funding allocated to support equity training

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Existence and use of procedures for collaboration between the psychiatric service and the primary care service well as the social institutions dealing with asylum seekers and refugees. Example: How to access mental health services, the type of support that can be obtained and how to coordinate the different services
Availability of appropriate food for religious or other reasons
Availability of information about treatment in simple language
Availability of information about treatment in simple language
Access to real-time translation for deaf patients
Difference in access to rare drugs
Difference in access to single room for similar level of insurance
Presence of a comprehensive hospital policy and an annual action plan to ensure that vulnerable patients also enjoy the rights of access and care established by cantonal and federal laws.
Regular visits by senior physicians
Availability of information - when who and why - about the daily interactions with professionals
Availability of social workers

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Systematic review of the level of equity of care
Availability of 'social triage' to identify vulnerable patients at an early stage who are referred and followed up by an ad hoc cultural mediation service
Minimaly invasive surgery availability
Time to drive to closest palliative care service
Availability of adolescents and young adults with cancer specialised centers and awareness of their existence
Availability of psycho-oncologic care and social service counseling in oncologic centers
Availability of Acute ischaemic stroke Unit
Availability of paediatric renal replacement therapy
Multi-cultural, multi-religious chaplaincy
Orientation pictogram at the entrance of hospital to facilitate orientation of allophone patients

Database at admissions recording main spoken language to allow for translations
Entrance of hospitals adapted for physical handicapped patients
Decumentation of main language angles, health insurance status, applicament, CEC at admission
Documentation of main language spoken, health insurance status, employment, SES at admission
Structure Outpatient Indicators
Indicators Validity Feasibility Patient Coverage Actionnability Availability of interpreters
Rate of doctors speaking local language / dialect
Availability of documents of information and consent in several languages
Use culturally and linguistically validated screening and diagnostic assessment tools/scales. Examples: Use of DSM-V cultural formulation interview and assessment or similar tools, or other validated scales.
Ongoing/continuous training offer for employees on cross-cultural skills
Rate or number of hours of staff with certified transcultural competencies

Existence of ambulatory care structure for people without legal documents to live in the country
Systematic review of the level of equity of care
Availability of 'social triage' to identify vulnerable patients at an early stage who are referred and followed up by an ad hoc cultural mediation service.
———
Appropriate support for people with mental disabilities (accompanying person/animal for autist for instance)
Access to family planning even when minors
Access to HIV care for minors
Accessibility to non-urgent outpatient medical consultations for underserved groups of residents (sans-papiers (undocumented) migrants, asylum seekers, homeless) including those without health insurance
Accessibility of primary health care in the neighborhood/for home visit
Accessibility of specialist in the neighborhood

Accessibility of nursing care in the neighborhood/for home visit
Accessibility of pharmacist care in the neighborhood/for home visit
FOR PRIMARY CARE: Collaboration with a psychiatric service to improve the screening on mental health by GPs, supervise GPs, develop integrative follow-up the psychiatrist with the GP for complex cases (Primary care is optimal for early identification, treatment, management, education and counseling, relapse prevention, and coordination of common mental disorders).
Availability of helicopter emergency medical service
LGBTIQ+ friendly waiting rooms (Posters, messages,etc)

Process Inpatient Indicators
Indicators Validity Feasibility Patient Coverage Actionnability Difference in pain prescription for patients with pain>5 on visual analog score
Number of measures of pain levels
Percentage of pain scale documentation at triage or on ED admission
Change in pain prescription for patients with pain>7 on visual analog score
Proportion of allophone patients receiving translation services
Use culturally and linguistically validated screening and diagnostic assessment tools/scales. Examples: Use of DSM-V cultural formulation interview and assessment or similar tools, or other validated scales
Time between patient need and delivery of care
NOTE: this indicator had many declinations (Time between indication and surgery, Time between the call of the patient and the arrival of a professional, Time between the indication of discharge and contact with social worker, Waiting times for elective surgery). If selected, the next round will focus on choosing the exact implementation
valenty times for elective surgery). It selected, the flext round will rocus on choosing the exact implementation
Waiting times
Length of stay within same pathology

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Length of stay for psychatric hospitalisations
Access times for urgent care, diagnostic tests or outpatient visits
Measure of risk for pressure ulcers (e.g. braden)
Healthcare renunciation for financial reasons
Work in an integrative way: psychiatrist, GPs, and social worker.
Divergence between medical records and patient statements (Knowledge of prescribed medications and the
Divergence between medical records and patient statements (Knowledge of prescribed medications and their purpose)
purpose)
purpose)
purpose)  Number of contacts from access to discharge with the doctor
purpose)
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(Primary) Cesarean Delivery Rate
Rate of episiotomy
Obababila his was made (delicem)
Obstetric trauma rate (delivery)
Rate of hysterectomies
Location of discharge
Specific procedures rates stratified
Missed diagnosis in ER
Time spent with patient (by nurse/physician)

Process Outpatient Indicators
Indicators Validity Feasibility Patient Coverage Actionnability Time between indication and surgery
Time between presentation and first medical contact
Waiting times
Access times for urgent care, diagnostic tests or outpatient visits
Documentation of main language spoken, health insurance status, employment, SES at admission
Proportion of allophone patients receiving translation services
Difference in pain prescription for patients with pain>5 on visual analog score
Difference in pain prescription for patients with pain >3 on visual analog score
Change in pain prescription for patients with pain>7 on visual analog score
Evaluation of pain
· 
ER visit rate

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Healthcare renunciation for financial reasons
Up to date vaccination status
At least one interactions with the family dector a week after discharge
At least one interactions with the family doctor a week after discharge  ———
Number of follow-up in community started in ER (at-home visits, Medico-Social centers, mobile teams)
Proportion of surgery in outpatient setting (list ambulatory surgery turn)
Work in an integrative way: psychiatrist, GPs, and social worker
Annual serum HbA1c, Cholesterol and microalbuminuria testing in type 2 diabetics
Evaluation of architectural barriers for at-home-care discharge
(Example: availabilty of an elevator if patient can't climb stairs)

Outcome Inpatient Indicators
Indicators Validity Feasibility Patient Coverage Actionnability 30-day rehospitalisation rate
Emergency readmissions (all-cause; within-year rather than 30-day or 90-day repeat hospitalisation)
Number of specific occurrences of care received by allophones
Hip fracture mortality rate
Patient satisfaction
Prevalence of pressure ulcers
Constraints and seclusion in psychiatry
In-hospital mortality
Death rate in low-mortality diagnosis related groups (DRGs)
Emergency admissions

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Observed lack of appetite
Number of inpatients leaving prematurely against medical advice / total number of inpatients
Avoidable/preventable hospital admissions
Percentage of admission from ED to hospital wards
Number of compulsory admissions / number of admissions to emergency departments
Medication during psychatric hospitalisations
ICU admission by diagnosis and available ICU spots
Draw which of Cavid nationts admitted to ICH
Proportion of Covid patients admitted to ICU
Core consumption of nationts with Chronic Hoort Failure often a hoopital admission
Care consumption of patients with Chronic Heart Failure after a hospital admission
Tabal bis and longs replacement
Total hip and knee replacement

Re-operation rates
In-hospital fall with hip fracture rate
Proportion of inpatients with cancer admitted as emergencies
Specialist referral for hip pain
Selected infections due to medical care rate
Postoperative sepsis rate

Outcome Outpatient indicators
Indicators Validity Feasibility Patient Coverage Actionnability Cervical cancer screening rate
Colorectal cancer testing for male >50 YO
Mammography screening
Changes in prescription in the first week after discharge
Preventable admission rate after ER visit
———
ED visits < 30 days post hospitalization
Number of emergency department patients who leave the facility prematurely against medical advice / total number of urgent visits
Number of migrant patients (allophone and not allophone) with follow-up in day centre / outpatient facilities.
Number of therapy sessions per allophone migrant patient, compared to patients speaking the language of the country / region

Patient satisfaction
ration satisfaction
Prescription of Ritalin and other to children
Quality of life stratification
Measures of morbidity
No-show rate: number of patients who do not show up for visits / total outpatient visits
Hip fracture treatment (surgical vs conservative)
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Bone Density measurement and Ostoeporosis medications
Bone Density measurement and Ostoeporosis medications
Colf worked by a like
Self-rated health
HIV advancement at diagnosis

LDL-Cv levels

Blood Pressure
HbA1c (HbA1c, HbA1c Levels in type 2 diabetics)
Percentage of HbA1c reduction 6 month after diabetes type 2 diagnosis
Prostate Cancer Presentation stage at diagnosis
Mental health services utilisation
Covid-19 testing and positive test proportions
Referral to a cardiologist at 12 month follow up in patient with chest pain complaint in ambulatory care
Dying at home
Dental check-ups
Proportion of persons with self-declaring unmet needs for dental care services to financial barriers

Difference in access to rare drugs
Stratifiers
Indicators Validity Feasibility Patient Coverage Actionnability Socio-Economic status
Socio-economic status by subarea of residence (similar to CDC measure of vulnerability)
Education level
Gender
Age category
Allophones
Migration status
Cultural differences (Ex: religious restrictions)

Homelessness	
By location (zip-code, canton,)	
<del></del>	
Rural vs urban	
Sexual orientation	
Sexual identity	
Health literacy	
Obesity	
validity_r1_i108	
faceibility v1 :100	
feasibility_r1_i108	
patientcoverage_r1_i108	
actionability_r1_i108	
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Please use this box to add indicators if you think	
some are missing, or to leave a comment.	



## Equity\_Indicators\_Selection\_2

Welcome to this form for the second round of indicator selection for the equity indicator project.

With the selection of the first round, we ended up with 35 indicators and 8 stratifiers. Next to each indicator or stratifier, we provide the average patient coverage. We assembled the indicators into themes that have internal coherence. We hence propose 6 packages that hold some internal connection between structure, process, and results indicators and ask you to rank them on a mixed criteria of feasibility and actionability. This should allow us to select a set of indicators that are not only valid but also easily implementable and able to lead to a change in practice.

Similarly, we will ask you to rank the 8 stratifiers from the best to the worst in term of feasibility and actionability.

Thank you,

For inpatients, the chosen themes are as follows:

	0	utcome	patient coverage		process	patient coverage	structure	patient coverage
Theme 1:	Rehospitalisations	30-day rehospitalisation rate Emergency readmissions	8.10 (2.08) 7.90 (2.47)		length of stay	8.30 (2.16)	Availability of social workers	6.70 (2.26)
rehospitalisati ons							Availability of information about treatment in simple language	7.20 (2.78)
Theme 2: Admission	Emergency admissions 7.5		7.50 (2.51)		access time urgent care 7.60 (2.72)  Ongoing/continuous training offer for employees on cross-cultural skill  reasons  Ongoing/continuous training offer for employees on cross-cultural skill		training offer for employees on cross-	5.36 (2.42)
	Preventable hospital admission	7.20 (2.86)	Healthcare	cultural skill				
			9.10 (1.73)	Delay in care	waiting time	8.70 (2.11)	Ongoing/continuous training offer for employees on cross- cultural skills	5.36 (2.42)
Theme 3 : Patient Satisfaction	Patient satifsaction	carc		Time between patient need and delivery of care	8.80 (1.87)	Access to real-time translation for deaf patients	3.09 (2.30)	
					n of allophone patients g translation services	4.70 (2.67)	Availability of interpreters Existence/activity of an institutional referent for issues related to migration	4.73 (2.49) 4.36 (2.46)
orphan							Entrance of hospitals adapted for physical handicapped patients	5.20 (3.29)

	Inpatients Themes Ranking			
		Best in terms of feasibility and actionability		Worst in terms of feasibility and actionability
1)	Theme 1 : Rehospitalisation	$\bigcirc$	$\bigcirc$	$\bigcirc$
2)	Theme 2 : Admission	$\bigcirc$	$\bigcirc$	$\circ$
3)	Theme 3 : Patient Satisfaction	0	0	0

4) One of the indicators did not fit within the themes of the other indicators selected in round 1. Please indicate if we should select it as a final indicator or leave it out.

O keep 'entrance adapted for physical handicapped patients' in final selection

○ leave it out

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For outpatients, the chosen themes are as follows:

	outcome	patient coverage	process	patient coverage	structure	patient coverage
Theme 4: economic constraint	Proportion of persons with self-declaring unmet needs for dental care services to financial barrier	6.40 (3.31)	Healthcare renunciation for financial reasons	7.30 (2.50)	Existence of ambulatory care structure for people without legal documents to live in the country	3.10 (1.85)
					Availability of documents of information and consent in several languages	6.00 (1.76)
Theme 5: Language			Proportion of allophone patients receiving translation services	4.90 (2.81)	Ongoing/continuous training offer for employees on cross- cultural skills Availability of interpreters	5.90 (1.97) 5.20 (2.25)
barriers					Existence of ambulatory care structure for people without legal documents to live in the country	3.10 (1.85)
					Ongoing/continuous training offer for employees on cross- cultural skills	5.90 (1.97)
Theme 6:	Colorectal cancer testing for male >50 YO	5.90 (2.42)	Healthcare renunciation for financial reasons	7.30 (2.50)		
Prevention care	Cervical cancer screening rate	6.20 (2.35)	ER visit rate	7.00 (2.71)		
	Dental check-ups Mammography screening	8.80 (1.62) 5.80 (2.35)				

	<b>Outpatients Themes Rank</b>	ing									
		Worst in terms of feasibility and actionability									
5)	Theme 4: Economic constraint	$\bigcirc$					0				
6)	Theme 5: Language barriers	$\bigcirc$			$\bigcirc$						
7)	Theme 6: Prevention care	0			0		0				
	The selected stratifiers ranking										
		1: Best in feasibility and actionabili	2	3	4	5	6	7	8: Worst in feasibility and		
8)	Gender	t <b>y</b>	$\circ$	$\circ$	$\circ$	$\circ$	$\circ$	$\circ$	actionabili 切		
9)	Socio-Economic status	$\bigcirc$	$\bigcirc$	$\circ$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$		
10)	Migration status	$\circ$	$\bigcirc$	$\circ$	$\bigcirc$	$\circ$	$\circ$	$\bigcirc$	$\bigcirc$		
11)	Allophones	$\circ$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\circ$	$\bigcirc$	$\bigcirc$	$\bigcirc$		
12)	Age category	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$		
13)											

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									Page 3
	Education level	$\circ$	$\bigcirc$						
14)	Homelessness	$\bigcirc$							
15)	Health literacy	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\circ$	$\bigcirc$	$\bigcirc$	$\bigcirc$
16)	Please use this box to input any suchave on the process so far.	ggestions	you may						

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