Supplementary file 4. Taxonomy of metrics of patient, public, consumer and community (P2C2) engagement in healthcare system-, community-, and organization-level decision-making

OUTCOME METRICS

Internal Outcomes, as measured by **impact on**:

Engagement participants' (patients, staff, others)

Knowledge

Skills

Views

Confidence or self-esteem

Empowerment*

Satisfaction

Sense of ownership

Trust**

Services provided (by the healthcare organization or system)

Efficiency and cost-effectiveness of services

Number of complaints on services

Service availability

Services quality and safety

Services responsiveness to needs (including needs of subpopulations)

Sustainability of the services

User experiences with services

Utilization of services

Organization or system (eg, resources, policies, procedures, staff)

Additional potential connections or partnerships with other groups or

organizations

Diversity of funding sources

Funding and resources availability

Visibility of organization

Accountability of organization to the P2C2 served***

Staff views on engagement

Staff satisfaction

Informal (unwritten) organization or system procedures

Formal (written) organization or system policies

Redesign of staff roles

Staff recruitment

Staff training

Explicit change to organization or system process of decision-making

Presence of racism in system

Level of public reporting (eg, making annual report available to the public)

External Outcomes, as measured by influence on:

Broader public's (outside the organization or system)

Capacity for future involvement in the organization by the community

Level of control over decisions made by the organization or system

Awareness or knowledge of health issues

Support of the organization or system

Involvement as part of social change outside the organization****

Stigmatization of others

Population health

Population health status

Level of health inequalities

Aggregate Outcome:

Overall cost-effectiveness of engagement

Number of local employment positions supported by organization

Organizational ability to adapt to operating environment

Sustainability of the engagement initiative

Scale of engagement program by organization (eg, to new locations)

PROCESS METRICS

Direct Process Metrics

P2C2 participants control over decision process

Agenda setting and time allocation

Roles in decision-making are defined

Independence in decision-making (ie, no organization or system constraints on decisions)†

Involvement since first stage of decision process

Involvement throughout types of decision activities

Involvement throughout the stages of decision process

Perceived influence on decision-making process

Involvement in finalizing decisions

Control over the meeting minutes

Assurance of follow-up commitment / translation into action

Evaluation of the decision-making process

Revision process (for changing decisions or handling complaints)

Surrogate Process Metrics

Formal power

Financial independence of P2C2 participants

P2C2 participants hold formal positions within the organizational hierarchy

P2C2 participants are protected from organization retaliation

Statement of formal self-governance by P2C2 participants

P2C2 participants have veto power in decision-making

Organizational commitment to engagement

Formal declaration of support by the organization or system

Formal expression of commitment by organization or system leadership

Organization has a paid position(s) dedicated to engagement

Organization or system rewards staff participation in engagement

Staff readiness and attitudes towards engagement

Staff have formal job responsibilities related to engagement

Participation

Activeness of participation††

Debate intensity (ie, a measure of the amount or intensity of debate during meetings)†††

Equality of participation among P2C2 participants

Attendance of engagement participants

Preconditions for Engagement Metrics

P2C2-initiated engagement (in contrast with mandated)

Recruitment and Membership

Consistency of membership (turnover)

Method of recruitment

Number of P2C2 members and P2C2 versus non-P2C2 participant ratio

Participants' neutrality (ie, no conflict of interest)

Time or terms mandate for membership

Literacy of P2C2 participants (ie, ability to read and write)

Representativeness and accountability

Constituent representativeness and accountability (ie, represent values, needs, etc. of

the relevant constituency and are accountable to that constituency)

Democratic representativeness (ie, elected via a democratic procedure by a broader community)

Representative legitimacy (non-democratic)††††

Diversity representativeness (ie, minority, vulnerable or marginalized groups are represented)

Resources provided to P2C2 participants

Accommodations (ie, lodging)

Childcare

Financial support Meals and refreshments Transportation and parking

Translation support Meeting facilitator

Meeting place tailored to P2C2 participants

Meeting time tailored to P2C2 participants Support from other P2C2 participants

Support from patient advocacy groups or

organizations

Support for disseminating results of the engagement

Staff support of P2C2 involvement in engagement

Feedback from P2C2 complaints

Use of a broader P2C2 needs and strengths assessment to support P2C2 $\,$

representatives in their decision-making

Training for P2C2

<u>participants</u>

Presence of training
Quality of training
Scope of training
Training provided is
independent of the
organization or system
(in content or financing)

Training for staff

Presence of training Quality of Training Attendance of P2C2 participants who are minorities

Regularity of meetings

P2C2 participants' readiness and attitudes towards engagement

Substitution of P2C2 participants among attendees

Tailoring the engagement to participants (needs or beliefs)

Cultural beliefs and practices Individual mental health needs

Individual health needs

Unbiased, jargon-free information on which to make decisions

Aggregate Process Metrics

Respect (ie, engagement participants are treated respectfully / not intimidated)†††††

Transparency of the decision-making process

Trust†††††

Legitimacy of decision-making

Level or ladder of participation (eg, Information, Consultation, Delegation, Partnership)

Clarifying examples:

* An example of an item measuring empowerment: "I learn things from the PFAC [Patient and Family Advisory Council] meetings that help me understand how to help the hospital change and improve."

- ** An example of an item measuring trust: "As a result of my participation in this activity, I have greater trust in [administering organization to insert relevant term, eg, providers, PPE [Public and patient engagement] staff, organization as a whole, health system, personal competency]."²
- *** An example of metric description of accountability of organization to P2C2 served: "Public had a role in ensuring that communities were protected and concerns heard when dealing with poor performance. They felt the type of involvement needed was for someone to oversee the process and feedback to the community, thus ensuring that problems were dealt with openly and ensuring greater accountability. Decisions are scrutinized by a member of the public who ensures the concerns and values of either the wider community (acting as a citizen) or the specific community (acting as an advocate) are examined and professionals held to account."
- **** An example of metric description of involvement as part of social change outside the organization: "Participation was not just a tool for recognising their right to involvement. Their goal was structural change. Service-user participation, though flawed, offered opportunities to take part in society and was therefore a starting point. However, the end to which service users aspired was social justice."
- † An example of an item description measuring independence of decision-making: "the community defines priorities and manages the program." 5
- †† An example of metric description of activeness of participation: "Do consumer members take the lead in raising issues? Are they aggressive in seeking answers to problems? Do they follow up? Are they apathetic?"
- ††† An example of metric description of debate intensity: the Debate Intensity variable "captured a qualitative aspect," "specifically the extent to which disagreements were passionate, deep, or intense." Researcher analyzed "the amount of words spoken, the emotional intensity implied by different words" and "the extent to which perspectives expressed by one person were agreed to or disputed by another."
- †††† An example of metric description of representative legitimacy (non-democratic): "professionals ascribed a certain degree of representative legitimacy to involved users, on the basis of their laity (vis-a`-vis clinical expertise) and their patienthood."

++++ An example of an item measuring respect (ie, engagement participants are treated respectfully / not intimidated): "Respondents were asked how often they felt intimidated by consumer board members and provider board members. Response categories were "all of the time," "most of the time," "some of the time," and "never."

††††† An example of metric description of trust: "Trust is one party's willingness to be vulnerable to another based on the belief that the latter party is competent, open, concerned and reliable. Probably the key condition for trust in the process is public and stakeholder acceptance of the policy substance that is produced by the process."¹⁰

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