Can patients contribute to safer care in meetings with healthcare professionals? A cross-sectional survey of patient perceptions and beliefs

Carin Ericsson,1,2 Janna Skagerström,2,3 Kristina Schildmeijer,4 Kristofer Årestedt,4,5 Anders Broström,6,7 Amir Pakpour,6,8 Per Nilsen2

ABSTRACT

Objectives To investigate patients’ perceptions of their meetings with healthcare professionals and the extent to which they believe they can influence patient safety in these meetings.

Design Cross-sectional survey of patients using a study-specific questionnaire. Data were analysed using both parametric and non-parametric statistics.

Setting The study was conducted in primary and secondary care in three county councils in southeast Sweden by means of a survey questionnaire despatched in January 2017.

Participants Survey data were collected from 1445 patients, 333 of whom were complainants (patients who had filed a complaint about being harmed in healthcare) and 1112 regular patients (patients recruited from healthcare units).

Main outcome measures Patients’ perceptions of meetings with physicians and nurses, beliefs concerning patients’ contributions to safer care and whether the patients had suffered harm in healthcare during the past 10 years.

Results Most respondents reported that it was easy to ask physicians and nurses questions (84.9% and 86.6%) and to point out if something felt odd in their care (77.7% and 80.7%). In general, complainants agreed to a higher extent compared with regular patients that patients can contribute to safer care (mean 1.92 and 2.13, p<0.001). Almost one-third (31.2%) of the respondents (both complainants and regular patients) reported that they had suffered harm in healthcare during the past 10 years.

Conclusions Most respondents believed that healthcare professionals can facilitate patient interaction and increase patient safety by encouraging patients to ask questions and take an active part in their care. Further research will need to identify strategies to support such questioning in routine practice and ensure that it achieves its intended goals.

BACKGROUND

Patient involvement to achieve safer care is an area of increasing policy, research, healthcare management and practice interest in numerous countries. The assumption is that patients’ involvement in their own treatment or care can improve patient safety.1–3 This is based on the premise that patients are privileged witnesses of their care in the sense that they are at the centre of the treatment process and, unlike healthcare professionals, observe the whole process of care.4 Involving patients in their own care has been an integral part of numerous international patient safety campaigns, including WHO’s Patients for Patient Safety5 and programmes undertaken by the Joint Commission in US hospitals, for example, the Speak Up initiatives.6 In Sweden, the National Board of Health and Welfare and Swedish Association of Local Authorities and Region, representing the county councils and municipalities, have emphasised the importance of patient involvement.7 8

Research has shown that the relationship and communication between patients and healthcare professionals is important for patients’ willingness to engage in safety-related behaviours. A poor relationship with healthcare professionals makes patients less motivated to engage with their safety.9 10 Patients’ perceptions of their role and status as subordinate to the healthcare professionals have been identified as a barrier to patients’ involvement in error reduction efforts.11 Furthermore, if patients perceive their role to be that of passive recipient of medical expertise, they are unwilling to engage actively with their safety by challenging healthcare professionals about their practice.12 13 Other factors that influence
patients’ involvement in their own safety include the patients’ illness, their perception of the risk of error in their treatment and various organisational factors. Research on various forms of patient involvement has been conducted using a number of similar and partially overlapping concepts, including ‘patient participation’, ‘patient partnership’ and ‘patient engagement’. Hence, it is crucial to clearly specify what types of involvement are investigated. The research described in this paper focuses on the interaction between patients and healthcare professionals in their regular meetings in various healthcare settings, for example, conversations between nurses and bedded patients in hospital wards or between physicians and patients in primary healthcare consultations. Previous research on patient involvement for safer care has addressed several aspects of interactive and non-interactive behaviours such as speaking up, choice of provider, self-medication, decision-making and self-monitoring. However, there is limited knowledge concerning how patients themselves believe they can contribute to safer care by interacting with healthcare professionals in regular meetings in healthcare. More research is needed to understand under what conditions patients believe they can contribute to safer care by interacting in meetings with healthcare professionals. This study addresses important knowledge gaps in research on patient involvement of potential relevance for patient safety. The aim was to investigate patients’ perceptions of the interaction in meetings with healthcare professionals in different healthcare settings in Sweden and the extent to which they believe they can influence patient safety in these meetings.

METHODS
Study design and setting
The study was a cross-sectional survey using a patient self-reported questionnaire. The setting for the study was Swedish healthcare, which is mainly publicly funded although private healthcare also exists. All residents are insured by the state, with equal access for the entire population. The responsibility for health and medical care in Sweden is shared by the central government, county councils and municipalities throughout Sweden. The healthcare system is financed primarily through taxes levied by county councils and municipalities.

Participants
Two categories of patients took part in the study: patients who had filed a complaint to the Health and Social Care Inspectorate (HSCI) that they had been physically or mentally harmed in healthcare (referred to as ‘complainants’) and patients who received healthcare in six healthcare facilities during 2016 (referred to as ‘regular patients’). The two patient groups were recruited from the same three county councils in southeast Sweden. Complainants were recruited from HSCI, which is a governmental agency responsible for supervising healthcare, social services and activities under the Act concerning Support and Service for Persons with Certain Functional Impairments. The goal of the HSCI is to improve patient safety in all areas of Swedish healthcare. Patients and next of kin can file a complaint to the HSCI if they have experienced harm that they attribute to the health services or if they have experienced deficient patient safety in connexion with care or treatment in the healthcare or dental care system. The complaint must be filed within 2 years of the occurrence. The HSCI investigates the event(s) and does not focus solely on the actions of the healthcare system and/or the healthcare professionals. The objective is to assess whether something went wrong and, if so, why. A complaint report could, for example, concern the lack of, delayed and/or incorrect diagnosis and treatment, deficient referrals, deficient medical treatment, incorrectly executed treatment, infections resulting from care and fall-related injuries that occur in connexion with care or treatment.

The HSCI provided lists of patients. Inclusion criteria were age 18 years or more and having submitted a complaint in any of the three county councils between 2013 and 2015. After eliminating duplicates, patients with temporary social security numbers, the deceased and those who had relocated were eliminated, 614 complainants remained.

To achieve a heterogeneous sample of patients, regular patients were recruited from six healthcare facilities: a pulmonary medical department at a university hospital (530 beds); a surgery department in a mid-sized hospital (350 beds); a rheumatology department in a university hospital (550); a maternity care unit; two primary healthcare units. This purposeful sampling strategy was used to ensure that the study included patients who represented a broad spectrum of perceptions and experiences concerning patient involvement in relation to patient safety. Study participants had made an individual visit or been an inpatient at any of the six units.

With regard to the regular patients, appointment lists of patients who had visited the units during 2016 were obtained from the six participating healthcare units. Inclusion criteria were age 18 years or more, having had a scheduled appointment or having been an inpatient at any of the units in 2016 and having a Swedish social security number. Each unit was asked to provide a list of 400 consecutive patients organised according to the date of the visit. After elimination of duplicates, patients with only temporary social security numbers, the deceased and those who had relocated, 1898 regular patients remained.

Data collection and questionnaire
In January 2017, a study-specific questionnaire was sent by regular mail to 2512 patients (614 complainants...
Using Think-aloud interviews. They were also interviewed afterwards about how they interpreted the questions. The patients were of different ages and had different experiences of healthcare. The interviews showed that a few minor modifications were required concerning two questions. The first question concerned frequency of visit/hospitalisation in the healthcare in the last 12 months. However, this was found to be difficult to answer and was revised accordingly to focus on types of care unit the patient had been in contact with the last 12 months. The other question concerned how the patient perceived the response from the healthcare professionals at the last visit. This was simplified and shortened from six to three items due to the risk for misunderstanding.

Data analysis

No imputation has been made for missing data. Data were analysed using both parametric and non-parametric statistics depending on the level and distribution of data. Background and study variables were presented with descriptive statistics. Despite the ordinal nature of data, the questions about patients’ perceptions of contribution to safer care are presented with mean and SD rather than median and quartiles to facilitate the interpretation. Comparisons between regular patients and complainants, as well as comparisons between patients’ meetings with physicians and meetings with nurses, were analysed using an independent sample t-test, Mann-Whitney U test or Pearson χ² test. Fisher’s exact test (adjusted for 2×3 tables) was applied when the assumption for Pearson χ² test was violated. The two questions concerning the respondent’s perceptions of encounters with physicians and nurses in healthcare were dichotomised into ‘easy’ (‘very easy’ and ‘quite easy’) and ‘difficult’ (‘quite difficult’ and ‘very difficult’) before analysis. A p value <0.05 was considered statistically significant. All analyses were performed with Stata V.15.1 (StataCorp, College Station, Texas, USA).

RESULTS

Sample characteristics

The total number of respondents was 1445, of whom 333 were complaints and 1112 were regular patients. The mean age was 59.8 years (SD 17.9 years; range, 18–98 years) and almost two-thirds of all respondents were women (n=931, 65.2%). The regular patients were significantly older than the complainants (mean difference, 3.3 years; p=0.004). Most of the respondents had upper secondary education or higher (n=998, 71.1%), but regular patients had significantly lower educational level than complainants (p=0.005). Half of the respondents were retired (n=725, 50.2%) and one-third were working (n=478, 33.1) The most common setting for visits to healthcare in the last 12 months was primary care, followed by a hospital unit and hospital inpatient care. The median value for...
self-rated health was 3 (‘good’) among all patients. However, regular patients scored significantly better health than complainants (p<0.001) (table 1).

Experiences of encounters with healthcare professionals
Experiences of encounters with physicians and nurses are presented in table 2. Most of the respondents (complainants and regular patients) replied that it was easy to ask the physician and the nurse for information (84.9% vs 86.6%) and to say if something seemed odd with the treatment or care (77.7% vs 80.7%). It was less easy to tell the physician or the nurse if she/he had made a mistake (39.9% vs 47.2%).

In comparison with the physician, it was significantly easier for the respondents to ask the nurse for information (p<0.001), say to the nurse if something seemed odd (p<0.001) and telling the nurse if she/he had made a mistake (p<0.001).

In comparison with the complaints, regular patients reported that it was easier to ask the physician and nurse for information (p<0.001 and p=0.001, respectively) and say to the physician and nurse if something seemed odd with the treatment or care (p<0.001 and p=0.003, respectively). Regarding the question on telling the physician or nurse she/he had made any mistake, no differences were shown between complainants and regular patients (p=0.625 and p=0.700, respectively).

Beliefs regarding patients’ contribution to safer care
The respondents (complainants and regular patients) had favourable beliefs of patients’ abilities to contribute to safer care (table 3). The complainants had more positive beliefs than regular patients that they could contribute to making healthcare safer (mean difference 0.21, p<0.001), that patients who ask questions can contribute to safer healthcare (mean difference 0.16, p<0.001) and that patients have a responsibility to point out shortcomings in their care or treatment that the healthcare professionals do not recognise (mean difference 0.26, p<0.001). Despite this, the complainants believed to a greater extent than regular patients that patients who ask questions or notify healthcare professionals about shortcomings in their care or treatment risk receiving worse care than other patients (mean difference 0.49, p<0.001; mean difference 0.53, p<0.001). No significant difference
Table 2  Experiences of encounters with physicians and with nurses in healthcare: “How do you usually experience your meetings with physicians/nurses in healthcare?”

<table>
<thead>
<tr>
<th></th>
<th>Valid data, n</th>
<th>All patients (%)</th>
<th>Complainants (%)</th>
<th>Regular patients (%)</th>
<th>P value*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(n=1445)</td>
<td>(n=333)</td>
<td>(n=1112)</td>
<td></td>
</tr>
<tr>
<td>Asking the physician questions to get information about my illness or treatment is…</td>
<td>1406</td>
<td></td>
<td></td>
<td></td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Easy</td>
<td>1194 (84.9)</td>
<td>233 (73.0)</td>
<td>963 (89.9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficult</td>
<td>194 (13.8)</td>
<td>86 (27.0)</td>
<td>108 (10.1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Don’t know</td>
<td>18 (1.3)</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asking the nurse questions to get information about my illness or treatment is…</td>
<td>1413</td>
<td></td>
<td></td>
<td></td>
<td>0.001</td>
</tr>
<tr>
<td>Easy</td>
<td>1223 (86.6)</td>
<td>257 (85.7)</td>
<td>966 (91.8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficult</td>
<td>129 (9.1)</td>
<td>43 (14.3)</td>
<td>86 (8.2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Don’t know</td>
<td>61 (4.3)</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P value*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Telling the physician if I recognise something that seems odd (or is difficult to understand) in my treatment or care is…</td>
<td>1356</td>
<td></td>
<td></td>
<td></td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Easy</td>
<td>1053 (77.7)</td>
<td>214 (69.9)</td>
<td>839 (84.9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficult</td>
<td>241 (17.8)</td>
<td>92 (30.1)</td>
<td>149 (15.1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Don’t know</td>
<td>62 (4.6)</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Telling the nurse if I recognise something that seems odd (or is difficult to understand) in my treatment or care is…</td>
<td>1375</td>
<td></td>
<td></td>
<td></td>
<td>0.003</td>
</tr>
<tr>
<td>Easy</td>
<td>1110 (80.7)</td>
<td>242 (82.3)</td>
<td>868 (88.9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficult</td>
<td>160 (11.6)</td>
<td>52 (17.7)</td>
<td>108 (11.1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Don’t know</td>
<td>105 (7.6)</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P value*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Telling the physician if she/he makes a mistake is…</td>
<td>1349</td>
<td></td>
<td></td>
<td></td>
<td>0.625</td>
</tr>
<tr>
<td>Easy</td>
<td>534 (39.6)</td>
<td>145 (51.1)</td>
<td>389 (49.4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficult</td>
<td>538 (39.9)</td>
<td>139 (48.9)</td>
<td>399 (50.6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Don’t know</td>
<td>277 (20.5)</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Telling the nurse if she/he makes a mistake is…</td>
<td>1345</td>
<td></td>
<td></td>
<td></td>
<td>0.700</td>
</tr>
<tr>
<td>Easy</td>
<td>635 (47.2)</td>
<td>170 (60.9)</td>
<td>465 (59.6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficult</td>
<td>424 (31.5)</td>
<td>109 (39.1)</td>
<td>315 (40.4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Don’t know</td>
<td>286 (21.3)</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P value*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>&lt;0.001</td>
</tr>
</tbody>
</table>

*Pearson’s χ² test.

was detected regarding the belief that it is easier for patients to ask questions if they are encouraged to do so by the healthcare professionals (mean difference 0.05, p=0.295).

Perceived harm and avoidability of harm
Almost one-third (n=408, 31.2%) of the respondents (complainants and regular patients) reported that they had suffered harm in healthcare in the last 10 years. The proportion was significantly higher among the complainants than the regular patients (n=251, 78.2% vs n=157, 15.9%; p<0.001). Of those who reported that they had been harmed, two of three complainants (n=165, 68.8%) and almost half of the regular patients (n=70, 46.1%) stated that the harm in the latest harm episode could have been avoided if healthcare professionals had listened to them (p<0.001) (table 4).

DISCUSSION
The aim of the study was to investigate patients’ perceptions of their meetings with healthcare professionals and the extent to which they believe they can influence patient safety in these meetings. There has been a progression towards increased patient involvement and participation in decision-making in healthcare. Research from the patient perspective has shown that patients are more willing to interact if healthcare professionals actively seek their views and that patients are motivated and willing to engage in an intervention designed to support them to collaborate with healthcare professionals in order to reduce the risk of harm and improve patient safety. We found that, to a large extent, the participants believed that patients can contribute to making healthcare safer by interacting with the healthcare professional in...
patients’ contribution to safer care

Table 3

<table>
<thead>
<tr>
<th>Valid data, n</th>
<th>All patients (n=1445)</th>
<th>Complainants (n=333)</th>
<th>Regular patients (n=1112)</th>
<th>P value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>I believe I as a patient can contribute to making healthcare safer</td>
<td>1368</td>
<td>2.08 (0.89)</td>
<td>1.92 (0.93)</td>
<td>2.13 (0.88)</td>
</tr>
<tr>
<td>I believe patients who ask questions can contribute to safer healthcare</td>
<td>1368</td>
<td>1.84 (0.82)</td>
<td>1.71 (0.85)</td>
<td>1.87 (0.80)</td>
</tr>
<tr>
<td>I believe patients who ask questions risk receiving worse care than other patients</td>
<td>1320</td>
<td>3.51 (0.83)</td>
<td>3.13 (1.06)</td>
<td>3.62 (0.71)</td>
</tr>
<tr>
<td>I believe it is easier for patients to ask questions if they are encouraged to do so by the healthcare professionals</td>
<td>1361</td>
<td>1.71 (0.84)</td>
<td>1.67 (0.83)</td>
<td>1.72 (0.85)</td>
</tr>
<tr>
<td>I believe patients who notify healthcare professionals about shortcomings in their care or treatment risk getting worse care than other patients</td>
<td>1330</td>
<td>3.19 (0.91)</td>
<td>2.78 (1.08)</td>
<td>3.31 (0.81)</td>
</tr>
<tr>
<td>I believe patients have a responsibility to point out shortcomings in their care or treatment that the healthcare professionals do not recognise</td>
<td>1354</td>
<td>1.70 (0.86)</td>
<td>1.50 (0.81)</td>
<td>1.76 (0.87)</td>
</tr>
</tbody>
</table>

The response options were 1, agree completely; 2, agree to a large extent; 3, agree to some extent; and 4, do not agree.

*Mann-Whitney U test.

meetings to receive treatment or care. They reported that it is easy to ask healthcare professionals questions regarding their illness or treatment and to point out if something feels odd in their treatment or care. More than half of the respondents who had sustained harm in healthcare within the last 10 years reported that the latest harm episode could have been avoided if the healthcare professionals had listened to them.

In general, the respondents agreed that it is easier to participate in their treatment or care if they are encouraged to do so by healthcare professionals. This finding is consistent with previous research. Davis et al found that concerted efforts might be needed to encourage patients in the UK to participate in their care, particularly in situations where patients perceive that they are challenging the authority of healthcare professionals. Earlier studies conducted in Sweden have shown that physicians and nurses in Swedish healthcare believe that healthcare professionals have the responsibility to actively invite patients to ask questions. Our studies have shown that the professionals are largely positive about patient involvement for safer care and believe that they have an important role in creating a climate that facilitates patient involvement. Similarly, Grünloh et al have suggested that healthcare professionals can help patients improve their health literacy by inviting them to ask questions, thus providing an opportunity to

Table 4

<table>
<thead>
<tr>
<th>Valid data, n</th>
<th>All patients (%) (n=1445)</th>
<th>Complainants (%) (n=333)</th>
<th>Regular patients (%) (n=1112)</th>
<th>P value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-reported harm in the last 10 years</td>
<td>1306</td>
<td>408 (31.2)</td>
<td>251 (78.2)</td>
<td>157 (15.9)</td>
</tr>
<tr>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>823 (63.0)</td>
<td>56 (17.5)</td>
<td>767 (77.9)</td>
<td></td>
</tr>
<tr>
<td>Don’t know</td>
<td>75 (5.7)</td>
<td>14 (4.4)</td>
<td>61 (6.2)</td>
<td></td>
</tr>
<tr>
<td>Perceived avoidability of harm in the latest harm episode†</td>
<td>392</td>
<td>235 (59.9)</td>
<td>165 (68.8)</td>
<td>70 (46.1)</td>
</tr>
<tr>
<td>Avoidable: the harm could have been avoided if the healthcare professionals had listened to me</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Possibly avoidable: the harm could possibly have been avoided if the healthcare professionals had listened to me</td>
<td>82 (20.9)</td>
<td>42 (17.5)</td>
<td>40 (26.3)</td>
<td></td>
</tr>
<tr>
<td>Unavoidable: the harm could not have been avoided even if the healthcare professionals had listened to me</td>
<td>75 (19.1)</td>
<td>33 (13.8)</td>
<td>42 (27.6)</td>
<td></td>
</tr>
</tbody>
</table>

*Pearson’s χ² test.
†Only among those who reported harm (n=408).
ask critical questions and also questions that can help
the patients understand their situation, thus making
them more able to participate in their care. A study
conducted in the USA by Rathert et al. showed
that open and timely communication about patients’ health
status was rarely achieved, which negatively impacted
on the patients’ sense of safety.

The respondents in our study found it more difficult
to say to a physician than a nurse if something felt odd
with their treatment or care and/or if they believed
the healthcare professional had made mistakes. This
finding is in line with previous research33 and is
usually explained with reference to the hierarchy of
the healthcare system.34–38 However, another explana-
tion could be that the patients have more contact
with nurses and develop a more personal relation-
ship with them, thus making it easier to communicate
more openly.39 Conversely, a good relationship can
also inhibit the patients’ willingness to raise awareness
about safety issues, in fear of damaging the relation-
ship with the individual healthcare professional.40

In our study, over three quarters of the respondents
who reported having sustained harm in the last 10
years believed the harm in the latest harm episode ‘could’ or ‘could possibly’ have been avoided if the
healthcare professionals had listened to them. This
is comparable with a nationwide survey conducted
in the USA in which two-thirds of the respondents who
reported that they had been harmed when receiving
care said that one contributing factor was that the
healthcare professionals had not listened to them.41
Another US study involving nearly 700 patients who
had been harmed by preventable adverse events found
that healthcare professionals “failed to effectively
communicate with them both before and after the adverse event”.42 Clearly, the patient–professional
relationship and communication is of great importance
for patient safety.31–45 However, we did not investigate
other factors of potential relevance for avoiding harm.
Hence, our findings concerning the importance of not
being listened to for avoiding harm should be inter-
preted with caution.

A Swedish study by Ringdal et al.46 on patients’
involvement in safety activities showed that patients
felt safe in their care if they were given opportunities
to share their feelings, thoughts and information, and
perceived that the healthcare professionals listened
to them. Although patient safety is usually discussed
in terms of ‘objective’ safety, typically measured as
various forms of adverse events, there is also a subject-
ive side to patient safety, that is, the feelings of being
safe. The Ringdal et al study46 implies that subjective
safety may possibly influence objective safety if
there is a climate that facilitates patient involvement.
A UK study by Lawton et al.47 found a strong correla-
tion between objective safety, as measured by harm-
free care, and patients’ perceptions of how a ward or
hospital performed on a number of aspects known to
contribute to patient safety incidents. One in six of the
regular patients in our study reported that they had
experienced harm in healthcare in the last 10 years. A
national Swedish study by Soop et al.48 estimated the
proportion of adverse events to be 12%, of which 70%
were considered preventable. However, that study and
our study are not directly comparable because adverse
events do not always lead to harm. Also, the Soop et
al study48 reviewed medical records to determine the
number of adverse events and preventability, whereas
we used self-reports by asking patients. Furthermore,
there is likely a discrepancy in the interpretation of
the meaning of harm between patients and healthcare
professionals. Some studies have shown that patients
mostly identify problems that can be classified as
service and/or quality-related problems as harm, that
is, lack of respect, long waiting time and communica-
tion problems.10 18 49 50 However, other studies have
shown that patients are capable of identifying adverse
events that affect their care.51 52

A comparison was made between patients who have
filed a complaint about being harmed in healthcare and
regular patients. We found that, compared with regular
patients, complainants considered it was more difficult
to ask questions about their illness or treatment and to
say to healthcare professionals if something seems odd
in their care or treatment. The complainants also agreed
to a greater extent to the statement that patients have
a responsibility to make healthcare professionals aware
of shortcomings in the care. Due to the cross-sectional
design of the study, we can only speculate whether the
complainants found it hard to interact with healthcare
professionals before being harmed (which led to the
complaint) or if the experience of being harmed made
them more reluctant to complain. Previous research
has shown that complainants who have been harmed
by adverse events can be very distrustful of healthcare.
A Swedish study53 of 618 complaints from a Patient
Advisory Committee found that less than 30% of the
complainants were satisfied with the healthcare profes-
sionals’ statements about the complaint. According to
Kent,53 complainants often experience strong feel-
ings of disappointment, grief, humiliation, anger and
bitterness directed towards healthcare and believe that
healthcare professionals protect each other rather than
objectively investigate the complaint.

The findings from the present study raise questions
of relevance for both research and practice. In future
studies, it would be interesting to further explore
issues concerning experienced harm and avoidability
of the harm, especially from the patients’ perspective.
It is relevant to investigate how patients themselves
believe they can contribute to safer care using a qualita-
tive approach to obtain a deeper and more nuanced
understanding of patient perceptions. Further, more
knowledge is needed on the effectiveness of various
interventions to increase patient participation in meet-
ings with healthcare professionals.
regular patients agree that patients can contribute to safer care by interacting with healthcare professionals in regular meetings in healthcare and they believe that it is easier for patients to ask questions if they are encouraged to do so. This encouragement could possibly take the form of healthcare professionals simply informing patients that questions are welcome or by handing out information on emphasising the importance of asking questions and by allowing time for questions. Still, research is needed to investigate what might be most effective for different patients and circumstances.

The study has some limitations that should be taken into account when interpreting the results. Although some of our findings are consistent with those of studies conducted in other countries, generalisability beyond Swedish healthcare may be limited due to differences in the healthcare systems. The response rates for the two patient groups were modest (54% for complainants and 59% for regular patients), and a study limitation was the inability to analyse the non-responding patients. It is well known that more motivated and opinionated people are more likely to respond to surveys. Hence, it is likely that those who did respond to the survey have stronger opinions on patient participation, although it is difficult to speculate how or the extent to which this had an impact on the results. Some questions concerned the respondents’ experiences with regard to how easy or difficult it usually was for them to perform specific behaviours (eg, asking questions), yet attitudes and beliefs concerning behaviours are not necessarily translated into actual behaviours. Further, a majority of the patients in the study were ambulatory patients. Patients’ illness influences their willingness to become involved in their treatment or care of potential relevance for patient safety, so it might be presumed that healthier patients in primary care are more likely than hospitalised inpatients to intervene with healthcare professionals. Concerning the complainants, we do not know the subject of their complaints or whether they were found to be eligible for further investigation by the HSCI. We did not define ‘harm’ in the questionnaire, which means that some respondents may have interpreted this as service quality lapses or emotional injuries (eg, frustration or not feeling respected), as discussed by Rathert et al, potentially leading to over-reporting of harm. Hence, it is difficult to draw firm conclusions regarding the prevalence of harm among the study participants based on the responses to our questions. It might have been possible to give the respondents an opportunity to describe and specify their perceived harm, to allow for categorisations of harm. It might also be considered a limitation that respondents were asked to report on the perceived avoidability of harm related only to the last experience of harm. They could possibly have experienced more than one harm episode in the last 10 years, but we considered it to be easier from a respondent perspective to relate the avoidability to a specific harm episode rather than providing an overall answer concerning avoidability in general. The study concerns patient involvement and could have been enhanced by involving patients in different aspects of the research. While patients were involved in the questionnaire development, the study might have benefited from involving them earlier in the research process.

CONCLUSIONS
In conclusion, we found that most respondents believed that healthcare professionals can facilitate patient interaction and increase patient safety by encouraging patients to ask questions and take an active part in their care. Many respondents agreed that patients can contribute to safer care by asking questions regarding their illness, treatment or care. Complainants found it harder than regular patients to intervene with healthcare professionals. A large proportion of respondents who perceived that they had been harmed in healthcare believed that the harm could have been avoided if healthcare professionals had listened to them. Further research will need to identify strategies to support such questioning in routine practice and ensure that it achieves its intended goals.

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