

## ORIGINAL RESEARCH

# Difficult Encounters with Psychiatric Patients: A South Texas Psychiatry Practice-based Research Network (PBRN) Study

Randall V. Sellers, MD, Ricardo Salazar, MD, Cervando Martinez, Jr., MD, Stephen D. Gelfond, MD, Melissa Deuter, MD, Holly G. Hayes, MSPH, Norma Ketchum, MS, and Brad H. Pollock, MPH, PhD

**Purpose:** To examine the prevalence of difficult psychiatrist-patient interactions of 20 psychiatrists in the South Texas Psychiatric practice-based research network, determine what characteristics were associated with “difficult” patients, and compare findings with previous studies in primary care.

**Methods:** During a 2-month observational study, psychiatrists collected patient information on setting, demographics, diagnoses, and medications and rated the patients using the Difficult Doctor-Patient Relationship Questionnaire, which had previously been used and validated in the primary care setting.

**Results:** A total of 905 valid data cards were collected. Difficult patients were identified in 15% of the sample. Diagnoses of schizophrenia, alcohol/substance abuse, and personality disorder were associated with difficulty. Psychiatrists least burdened by difficult patients were older and in a solo practice and worked 51 to 55 hours per week.

**Conclusions:** This cross-sectional study demonstrates that psychiatrists encounter difficult patients at a rate (15%) similar to that of primary care physicians. Mentoring programs and structured treatment interventions for the most difficult patient groups may assist all physicians who treat psychiatric patients, whether in specialty, family medicine, or other primary care settings. (J Am Board Fam Med 2012;25:669–675.)

**Keywords:** Doctor-Patient Relations, Mental Health, Practice-based Research, Practice-based Research Networks, Psychiatry, Quantitative Research

Clinically difficult patients have been studied in the primary care literature, but despite the ubiquitous nature of these patients, there is relatively little

literature about difficult psychiatric patients and none about the characteristics of the physicians who treat them.<sup>1–5</sup> In a medicine subspecialty and surgical outpatient study, O’Dowd<sup>6</sup> wrote of difficult patients, “They evoke an overwhelming mixture of exasperation, defeat, and sometimes plain dislike that causes the heart to sink when they consult.”

In a medicine subspecialty and surgical outpatient study, physicians identified unexplained symptoms, psychosocial problems, and untreatable illness as the primary reasons for difficulty.<sup>7</sup> Interestingly, doctors rated patients as difficult if the doctors could not meet their own personal expectations or the individual patient’s expectations.<sup>7</sup> The leading patient characteristics included psychological problems, psychosocial issues, multiple physical problems, communication problems, and unrealistic expectations. The primary

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care physicians were characterized as working long hours and lacking training in counseling and communication skills.

A systematic review of the psychiatric literature between 1979 to 2004 found 94 articles mentioning difficult patients but few containing empirical data and concluded that there were 3 characteristics of difficult patients: “unwilling care-avoiders, ambivalent care-seekers, and demanding care-claimers.”<sup>3</sup> Examples of a professional’s negative feelings toward difficult patients were anger, guilt, helplessness, powerlessness, dislike, and disappointment.

Hahn et al<sup>4</sup> developed a quantitative measure, the 10-item Difficult Doctor-Patient Relationship Questionnaire (DDPRQ-10), to examine the prevalence of “difficult” patients in the primary care setting and the association of difficulty with physical and mental disorder, functional impairment, health care utilization, and satisfaction with medical care. They found that physicians rated 15% of 627 patients as difficult. Difficult patients were more likely to have a psychiatric disorder, vague somatic complaints, higher medical utilization, and dissatisfaction with their care. This study followed another earlier one conducted by Hahn et al<sup>5</sup> that developed the questionnaire and found a 10% to 20% prevalence of “difficult patients.” In the earlier study, difficult patients were characterized by higher rates of somatization, personality disorder, and Axis I pathology.

The relevant literature is limited in psychiatric settings, and in available primary care studies, findings consistently point to psychiatric and psychological variables contributing to physicians rating their patients as difficult. Because primary care settings typically include services for psychiatric disorders, and because specific data for psychiatric populations and associated difficulty is lacking, this area represents a gap in the existing knowledge applicable to psychiatry and primary care. The purpose of this study was to identify the prevalence of difficulty in a psychiatric setting, to examine physician and patient variables associated with patient difficulty, to compare these findings with those in prior studies of different populations (mostly primary care), and to consider how these findings might inform all physicians who treat mental health disorders, whether in psychiatry or primary care settings.

## Methods

### *Study Design, Setting, and Subjects*

This study was an observational, cross-sectional study conducted by 20 psychiatrist members of the South Texas Psychiatry Practice-Based Research Network in the spring of 2010. The settings included 8 solo practices, 5 small group practices, and 7 large group practices. All members of the research network were invited to participate in the study and none who volunteered were excluded.

### *Data Collection*

We asked psychiatrists to complete a data card (refer to Figure 1) for 50 consecutive patients seen during a 2-month period. Patients could be inpatients, outpatients, new, or established. Cards were completed for all patient encounters via face-to-face meetings or phone calls. Physicians completed data on the patient setting, demographics, diagnoses, patient medications, presence of a language issue, payment method, and appointment duration. Patients were then rated using the DDPRQ-10, which previously has been used in the primary care setting.<sup>4,5</sup> The DDPRQ-10 was selected for its brevity, established reliability, and validity in the primary care setting. It is a 10-item Likert scale with items scored from 1 (not at all) to 6 (a great deal); total scores range from 10 to 60. The cut point used to determine patient difficulty category (difficult/not difficult) for the 10-item instrument was based on the 30-item DDPRQ cut point, which demonstrated high construct validity and has been described previously.<sup>5</sup> Patients receiving a score of  $\geq 30$  were categorized as difficult.<sup>4</sup> Internal reliability of the DDPRQ-10 instrument for the current study showed acceptable consistency (Cronbach  $\alpha = 0.88$ ). Physicians also rated each patient using a single 7-point Likert item, “How difficult is this patient?,” which included responses that ranged from “not at all” to “among the most.” In addition, physicians provided personal data regarding age, sex, years in practice, practice setting, years in current setting, and workload hours per week. “Burdened psychiatrists” were defined as psychiatrists who saw a greater percentage of difficult patients.

### *Analyses*

Simple descriptive statistics were used to characterize the distribution of study values including frequencies, percentages, means and standard devia-

**Figure 1. Data Collection Instrument Completed by Practice-based Research Network (PBRN) Members.**

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tions, or medians and interquartile ranges for each variable. Associations between categorical variables were examined by Pearson's  $\chi^2$  test or Fisher's exact test, as appropriate. The Kruskal-Wallis test was used to assess associations between categorical variables and continuously distributed variables. Spearman rank correlation with 95% confidence interval was used to assess associations between difficulty assessment scores. All statistical tests were performed at the 2-sided 0.05 level of statistical significance and all statistical analyses were conducted using SAS version 9.2 (SAS Institute, Cary, NC).

## Results

Over a 2-month period, data for 935 patients was collected by 20 psychiatrists. Most psychiatrists turned in 48 to 50 data cards, although one physician returned 31 cards and another returned 7. We had 9 psychiatrists score 28 patients (3.0%) by

telephone. The DDPQRQ-10 scores ranged from 10 to 57 (mean  $\pm$  standard deviation,  $21.1 \pm 9.2$ ; median [Q1, Q3] = 19 [15, 25]). Of the 935 physician-patient interactions, 905 responses were complete and available for analysis, and 133 were scored  $>30$  on the DDPQRQ-10 and categorized as "difficult." Of the 20 psychiatrists, 2 did not identify any difficult patients, whereas 6 identified 83 of the 133 patients (62%) as difficult. One physician did not complete the DDPQRQ-10 scale for their patients, and the remaining 11 psychiatrists identified between 1 and 9 difficult patients each. Table 1 lists the 10 items in the DDPQRQ-10 along with the percentage of patients rated difficult by each individual item.

Table 2 presents the demographic characteristics of the patients by difficulty category. Patients with language issues, new patients, inpatients, and those with a governmental payment source (Medicare, Medicaid, and TriCare) were significantly as-

**Table 1. The 10-Item Difficult Doctor-Patient Relationship Questionnaire (DDPRQ-10)**

Item*	Patients Who Rated Difficulty by Item (%) <sup>†</sup>	
	Difficult (n = 133)	Not Difficult (n = 772)
1. How much are you looking forward to this patient's next visit (after today)? <sup>‡</sup>	92	38
2. How frustrating do you find this patient?	80	9
3. How manipulative is this patient?	46	3
4. To what extent are you frustrated by this patient's vague complaints?	55	4
5. How self-destructive is this patient?	39	6
6. Do you find yourself secretly hoping this patient will not return?	54	2
7. How at ease did you feel with this patient today? <sup>‡</sup>	64	18
8. How time-consuming is caring for this patient?	61	10
9. How enthusiastic do you feel about caring for this patient? <sup>‡</sup>	90	34
10. How difficult is it to communicate with this patient?	53	6

\*Each item was scored on a six-point scale: 1 = Not at all, 6 = A great deal.

<sup>†</sup>Based on a DDPR-10 score >30, out of 905 patients. Responses were dichotomized by coding raw scores of 4 through 6 on each item rated as difficult.

<sup>‡</sup>Item was reversed for scoring (1 = a great deal, 6 = not at all).

sociated with difficulty category. The length of the appointment, patient age category, sex, and race were not associated with difficulty.

Table 3 describes patient diagnoses and medication use by difficulty category. Diagnoses of schizophrenia, personality disorder, cognitive disorder, alcohol/substance abuse, depression, any Axis III symptom, any anxiety disorder, and posttraumatic stress disorder were significantly associated with patient difficulty category. Patients diagnosed with schizophrenia, personality disorder, cognitive disorder, and alcohol or substance abuse were significantly more likely to receive scores >30 and be placed in the "difficult" category. Patients diagnosed with depression, any Axis III symptom, any anxiety disorder, and posttraumatic stress disorder were significantly more likely to be assigned scores ≤30 and be placed in the "not difficult" category. Diagnoses of attention deficit/hyperactivity disorder, eating disorder, and bipolar disorder were not associated with difficulty category. Patients participating in any psychotherapy and those receiving psychotherapy from the psychiatrist were significantly less likely to be given a "difficult" score (>30).

When doctor-patient interactions were assessed using a single, global 7-point Likert item ("How difficult is this patient?"), 31.9% were reported to be "not at all" difficult, 11.2% borderline, 18.1% mildly, 19.3% moderately, 9.7% markedly, and 5.6% severely difficult, and 4.1% were "among the most" difficult. Spearman rank correlation between

score values of DDPRQ-10 (range, 10–60) and the single difficulty item (range, 1–7) was 0.67 (95% confidence interval, 0.64–0.71).

We also examined individual physician characteristics (data not shown) and found that younger psychiatrists (31–40 years of age) had an increased burden (24.5%; greater percentage of difficult patients) compared with all other age groups (41–50 years, 13.3%; 51–60 years, 13.2%; >60 years, 11.9%;  $P = .003$ ). Practicing in a group of ≥5 physicians (20%) increased physician burden compared with a group of 2 to 5 physicians (15.2%) or solo physicians (10.5%) ( $P = .002$ ). Working an average of 51 to 55 hours per week lowered physician burden (5%) compared with other workloads (<40 hours, 17.8%; 40–45 hours, 16.1%; 46–50 hours, 17.3%; >55 hours, 13.8%;  $P = .04$ ). Physician years in practice, years in current setting, and sex were not associated with physician burden.

## Discussion

This observational cross-sectional study shows a 15% prevalence of difficulty in a psychiatric patient population, a rate that is similar to the rates of difficulty found in previous primary care populations by Hahn et al and others.<sup>4,5</sup> We acknowledge that psychiatrists were the study population and that this population differs from family physicians and internal medicine clinicians. Although previous studies pointed to an increased rate of difficulty among patients with psychiatric and psychological



**Table 2. Demographic Characteristics by Difficulty Category for 905 Patients with 10-Item Difficult Doctor-Patient Relationship Questionnaire (DDPRQ-10) Scores**

Characteristics	Difficult*	Not Difficult
Patients	133 (14.7)	772 (85.3)
Age (years)		
≤43	68 (15.5)	372 (84.5)
>43	64 (14.1)	390 (85.9)
Sex		
Male	71 (14.1)	431 (85.9)
Female	62 (15.6)	335 (84.4)
Race		
White	65 (13.1)	430 (86.9)
Hispanic	43 (15)	244 (85)
Black	15 (24.6)	46 (75.4)
Asian/other	3 (25)	9 (75)
Language issue <sup>†</sup>		
Yes	8 (33.3)	16 (66.7)
No	92 (12.4)	650 (87.6)
Status <sup>‡</sup>		
New	24 (22.6)	82 (77.4)
Established	95 (14.5)	561 (85.5)
Setting <sup>†</sup>		
Office/Outpatient	100 (13.5)	643 (86.5)
Inpatient	25 (25.3)	74 (74.7)
Phone	3 (10.7)	25 (89.3)
Payment <sup>‡</sup>		
Government (Medicare/Tricare)	81 (16.9)	398 (83.1)
Private insurance	11 (10.2)	97 (89.8)
Self-pay	28 (10)	252 (90)
Appointment duration (min)		
<19	30 (15.9)	159 (84.1)
20–30	39 (12.3)	277 (87.7)
45–50	22 (10.6)	186 (89.4)
>51	15 (15.6)	81 (84.4)

Values provided as n (%).

\*Difficult category contains patients with DDPRQ-10 score >30.

<sup>†</sup> $P < .01$ .

<sup>‡</sup> $P < .05$ .

problems, this study is unique in its emphasis on patients who are considered difficult within the psychiatric population.<sup>4</sup>

We found that psychiatrists were more likely to rate a patient as difficult if they had a diagnosis of schizophrenia, alcohol/substance abuse, or personality disorder, all of which are diagnoses that are correlated with high rates of disability and prolonged course. Perhaps surprisingly, we found that patients with the most medical comorbidity (more

Axis III diagnoses) were less often rated as difficult. In previous studies of primary care patients, vague somatic complaints were associated with greater percentages of difficulty but specific medical comorbidities were not.<sup>5</sup> It is possible that higher rates of disability and prolonged course explain why both vague somatic complaints in primary care and chronic/relapsing mental illness in psychiatric care increase difficulty rates.

We found that the youngest psychiatrists were most likely to rate more patients as “difficult,” a finding that was similar to a previous British primary care study.<sup>8</sup> It is helpful for primary care clinicians to recognize when to refer these “difficult” patients for psychiatric treatment. Family medicine residency training could address recognition of negative countertransference or negative feelings, the importance of referrals when these interactions occur, and the assurance that every clinician encounters these “heart sink” patients,

**Table 3. Diagnoses and Medication by Difficulty Category for 905 Patients with 10-Item Difficult Doctor-Patient Relationship Questionnaire (DDPRQ-10) Scores**

	Difficult*	Not Difficult
Schizophrenia <sup>†</sup>	25 (18.8)	54 (7)
Personality disorder <sup>†</sup>	48 (36.1)	103 (13.3)
Cognitive disorder <sup>‡</sup>	25 (18.8)	78 (10.1)
Alcohol/substance abuse <sup>§</sup>	24 (18)	80 (10.4)
ADHD	27 (20.3)	192 (24.9)
Eating disorder	3 (2.3)	5 (0.6)
Bipolar	34 (25.6)	146 (18.9)
Depression <sup>†</sup>	39 (29.3)	329 (42.6)
Axis III symptoms <sup>‡</sup>	28 (21.1)	261 (33.8)
Anxiety <sup>§</sup>	19 (14.3)	188 (24.4)
PTSD <sup>§</sup>	6 (4.5)	84 (10.9)
Psychotherapy <sup>‡</sup>	54 (47.4)	436 (61.8)
Psychotherapy with physician <sup>†</sup>	20 (20.4)	254 (38.5)
Psychological medications (median [Q1, Q3]) <sup>§</sup>	3 [1, 3]	2 [1, 3]
Other medications (median [Q1, Q3]) <sup>†</sup>	0 [0, 3]	1 [0, 5]

Values provided as n (%) unless otherwise indicated.

\*Difficult category contains patients with DDPRQ-10 score >30; Not Difficult category contains patients with DDPRQ-10 score ≤30.

<sup>†</sup> $P < .001$ .

<sup>‡</sup> $P < .01$ .

<sup>§</sup> $P < .05$ .

ADHD, attention-deficit/hyperactivity disorder; PTSD, post-traumatic stress disorder; Q1, first quartile; Q3, third quartile.

whether treated during the clinicians early or mid-career.<sup>6</sup>

In the current climate of U.S. medical care reform, rates of patients' "difficulty" may be affected. We have seen a push by payers for shorter, less frequent office visits to reduce costs. However, our data showed that patients who received psychotherapy from their psychiatrist were less likely to be rated as "difficult." Psychotherapy takes time, but reimbursement pressures provide incentives for psychiatrists to perform less psychotherapy. Moving toward shorter and less frequent visits may therefore undermine the physician-patient relationship.

Labeling a patient as "difficult" may be construed as pejorative because it suggests that the patient is to blame for the physician's frustration. The authors do not believe that patients themselves are difficult, but interactions can be. Internal and external factors both contribute to negative (and positive) feelings when working with certain patients. "Difficulty" is a clinical sign to be recognized and addressed to provide appropriate psychiatric care.<sup>9</sup> Recently, Eckert<sup>10</sup> stated, "Resistance to treatment does not reflect on the patient, but only on our improving our repertoire of treatment." This cross-sectional study is not concluding that factors associated with difficulty are the cause of the problem, rather they are markers to alert the physician of potential issues that may affect his or her desire to provide the best clinical care.

The proportion of "difficult" patients may increase in light of health care reform. Shorter and "more productive" visits will be emphasized to reduce costs. However, time is a variable in difficult encounters. Our data showed that although duration of patient visit was not significantly correlated with difficulty, patients receiving psychotherapy from their psychiatrist were rated as less difficult. In an effort to allow clinicians to see more patients, changes that may cause appointment durations to decrease may ultimately result in an increase of difficult encounters. If we are not careful, the physician-patient relationship may be undermined in this process.

### **Limitations**

Some limitations exist in the interpretation of the findings of this study. The research design was cross-sectional and relied on the psychiatrists to complete the cards unprompted, which resulted in some missing data. In addition, the method used to collect the

data, the "card system," was not tested for reliability and validity across study sites. Nor was there any assessment of the original medical records to verify the results recorded by the psychiatrists. In addition, our patient sample differed from a nationally representative sample of U.S. office-based psychiatric practices<sup>11,12</sup> in multiple ways. Our sample had more men, fewer whites, more Hispanics, more patients had "self-paid" insurance, and a much larger number of patients utilized government-paid insurance (Medicare/Medicaid/Tri-Care). Finally, the psychiatrist-participant pairs were not a randomly selected sample; each volunteered to participate knowing the research question ahead of time. This could have caused the identified prevalence to inaccurately represent the true prevalence for all psychiatrist-patient relationships.

Another limitation of our study involves the potential for misclassification. We had no gold standard by which to definitively classify patients as truly difficult versus not. For a pseudo-gold standard, we used a 7-point Likert scale to reflect the physician expert global assessment. In dichotomizing the DDPRQ-10, we used the cut point suggested by Hahn et al<sup>4</sup> in their 1996 article. However, this cut point was selected based on the distribution of difficulty scores involving the 30-item version of the DDPRQ, and tests of construct validity have strongly supported it.<sup>5</sup> Nevertheless, because we did not directly assess a global, direct, dichotomous measure of perceived patient difficulty (yes/no), it is possible that some patients were misclassified.

Future research should address the noted limitations of this study. The study method should be further tested for reliability and validity and then repeated with a random national sampling of psychiatric patients both in specialty and primary care settings. If, as suggested by our study, patients in the hospital and with language barriers, Medicare/Medicaid/TriCare funding, and certain diagnoses are at increased risk of being classified as difficult, perhaps strategies could be developed to better care for these populations. Greater knowledge about the nature of difficult patient interactions may aid in the creation of systematic approaches to decrease difficulty and improve the quality of patient care.

## Conclusions

To date, this is the largest study to quantitatively examine the prevalence of difficult patients in psychiatric practices. The difficulty rate of 15% is similar to the rates of difficult patients in nonpsychiatric populations found in previous studies. Patient difficulty rates were highest for youngest psychiatrists, indicating a potential for interventions with mentoring programs. High rates of difficulty in populations with poor outcomes indicates a need for structured treatment programs for severely ill patients. Based on these findings, psychiatrists and family physicians who provide psychiatric care would do well to collaborate to improve treatments. The good news for burdened physicians is that things get better with experience.

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