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*Pediatrics* 2008;122;e696
DOI: 10.1542/peds.2007-1759

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Identifying Postpartum Depression: Are 3 Questions as Good as 10?

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The authors have indicated they have no financial relationships relevant to this article to disclose.

What’s Known on This Subject

Postpartum depression is the most common medical problem that new mothers face. Anxiety is a more prominent feature of postpartum depression than depression that occurs at other times in life. Routine, universal screening significantly improves detection in primary health care settings.

What This Study Adds

The brevity, reliability, and operating characteristics of the EPDS-3 make it an attractive postpartum depression screening tool for primary health care settings in which the goal is to detect depression, not to assess its severity. Validation by diagnostic psychiatric interview is needed.

ABSTRACT

BACKGROUND. Postpartum depression is the most common medical problem that new mothers face. Anxiety is a more prominent feature of postpartum depression than depression that occurs at other times in life. Routine, universal screening significantly improves detection in primary health care settings. Thus, an ultrabrief scale that could be incorporated into a general health survey or interview would be useful.

OBJECTIVE. We tested the hypothesis that, during the first 6 postpartum months, the 3-item anxiety subscale of the Edinburgh Postpartum Depression Scale is a better ultrabrief depression screener than 2 Edinburgh Postpartum Depression Scale questions that are almost identical to the widely used Patient Health Questionnaire.

METHODS. A cohort of 199 14- to 26-year-old participants in an adolescent-oriented maternity program completed the Edinburgh Postpartum Depression Scale at well-child visits during the first 6 postpartum months. Three subscales of the Edinburgh Postpartum Depression Scale were examined as ultrabrief alternatives: the anxiety subscale (3 items; Edinburgh Postpartum Depression Scale-3), the depressive symptoms subscale (7 items; Edinburgh Postpartum Depression Scale-7), and 2 questions that resemble the Patient Health Questionnaire (Edinburgh Postpartum Depression Scale-2). The reliability, stability, and construct validity of the Edinburgh Postpartum Depression Scale and 3 subscales were compared. Criterion validity was assessed by comparison with a score of ≥10 on the full, 10-item Edinburgh Postpartum Depression Scale.

RESULTS. A total of 41 mothers (20.6%) met study criteria for referral for evaluation of depression (Edinburgh Postpartum Depression Scale-10 score ≥10). The Edinburgh Postpartum Depression Scale-3 exhibited the best screening performance characteristics, with sensitivity at 95% and negative predictive value at 98%. It identified 16% more mothers as depressed than the Edinburgh Postpartum Depression Scale did. The performance of the Edinburgh Postpartum Depression Scale-2 was markedly inferior, with sensitivity at 48% to 80%. Moreover, the Edinburgh Postpartum Depression Scale-2 was unreliable for mothers who had not been depressed in the past.

CONCLUSION. The brevity, reliability, and operating characteristics of the Edinburgh Postpartum Depression Scale-3 make it an attractive postpartum depression screening tool for primary health care settings in which the goal is to detect depression, not to assess its severity. Validation by diagnostic psychiatric interview is needed. Pediatrics 2008; 122:e696–e702

POSTPARTUM DEPRESSION IS the most common medical problem that new mothers face.1–6 Some cases of postpartum depression are manifestations of chronic depression unrelated to pregnancy. Others are a continuation of depressive episodes that began during pregnancy. Still others only begin after delivery.1–6 Postpartum depression is also a serious public health problem.5–9 It is associated with numerous maternal and child medical and psychosocial problems.1–6 Yet, like other forms of depression, most cases are never diagnosed.1–6 Routine screening significantly improves detection but is not standard practice because of constraints such as time and concerns about the social
accepibility of screening or being identified as an unhappy mother. The lack of evidence that detection translates into diagnosis, diagnosis into treatment, and treatment into better maternal and child functioning is another commonly cited deterrent to routine screening for postpartum depression in primary care settings.4,5,6,9,14

Yet, in theory (if not in practice), depression is a treatable condition.15 There is also evidence that appropriate treatment of depressed mothers benefits both the mother and her children.6-9,19 Thus, the consensus is that routine screening for postpartum and ongoing maternal depression should become a standard of care.20 Most experts also agree that optimal screening should include repeated assessments during the first postpartum year and follow-up of mothers with positive screens.1-6,20-22 Accordingly, pediatric care settings have been identified as particularly attractive screening sites.3,4,14,20,22 Although most pediatric providers and mothers agree with these experts, they rarely discuss the topic, and formal maternal mood assessments are not part of most pediatric visits.1-6,9,14,20,22

Brevity is an essential quality of new screening tools designed for use in busy clinics where providers are already expected to ask about numerous potential morbidities and environmental hazards.23,24 Fortunately, the purpose of asking about maternal psychological status during pediatric visits is to detect depression, not to assess its severity.20 Thus, incorporating a few key questions about maternal mood into a multipurpose child health and safety questionnaire14,24 is a logical solution.

Postpartum depression is diagnosed by essentially the same criteria as other types of depression.25 Hence, the 2-item depression screener that the US Preventative Task Force recommends for use in primary care settings (Patient Health Questionnaire [PHQ-2])26-27 is a reasonable choice for pediatric providers. When the time frame is limited to the retrospective 2 weeks using a Likert scale, a cutoff score of ≥3 is 83% sensitive and 92% specific for major depression.25 Extending the time frame of inquiry to the retrospective month and recording yes or no responses significantly compromises specificity, without benefit to sensitivity.27,28 Both formats have been used26-28 to screen for maternal depression in pediatric care settings with favorable results.6,20,21 However, from the theoretical standpoint, the PHQ-2 is not the optimal tool for identifying postpartum depression.

Postpartum depression is also distinguished from nonperinatal depression by a prominent anxiety component.4,7,30-35 The prevalence of postpartum depression peaks 10 to 14 weeks after delivery, when the diagnosis is made by a psychiatrist or a pregnancy-specific scale like the Edinburgh Postpartum Depression Scale (EPDS).4,5,34 This is not true when the diagnosis is made with other depression scales.6,35 This may be because, unlike the EPDS, most depression inventories do not adequately assess the anxiety that is a unique and important component of postpartum depression.4,5,34 Brief as the EPDS is, it is too long to be incorporated into a general health survey and, hence, is underused.1,4,6,9,14 The growing consensus that it would be desirable to conduct routine, universal screening for postpartum depression in primary care settings5,14,20,22 has prompted previous efforts to develop ultrabrief postpartum depression screening tools.5,21,29 Accordingly, this analysis was undertaken to test the hypothesis that, during the first 6 postpartum months, the 3-item anxiety subscale of the EPDS is a better ultrabrief depression screener than the 2 EPDS questions that are almost identical to the PHQ-2.

METHODS

Subjects
The study sample of 199 newly delivered 14- to 26-year-old (mean ± SD; 19.1 ± 2.4 years) mothers was enrolled consecutively. They represent 99% of the mothers who brought a 0- to 6-month-old infant to ≥1 pediatric health maintenance visit in the Colorado Adolescent Maternity Program (CAMP; a description of the program is available at www.uchsc.edu/camp/Whydiff.htm and in ref 36) during the study period.

The cohort was racially and ethnically diverse (35.7% black, 44.2% Hispanic, 16.1% white, and 4.0% Pacific Islander/Native American). Most subjects obtained prenatal care in CAMP (71.4%) and identified CAMP as their and their children’s primary care provider (89.4%). Although participants were selected from 1 clinic, they were demographically representative of American women who become pregnant during adolescence.37 Most were <20 years of age at the time of conception (77.9%), poor (87.1% Medicaid recipients), unmarried (96.4%), primigravida (61.3%) who lived with a parent (51.3%) and had participated in socially proscribed behaviors (ie, illicit substance abuse, fighting, and other illegal activities resulting in their arrest) in the past (52.1%). On average they had completed 10.4 ± 1.5 years of school; 29.4% were high school graduates or had passed the General Education Development test, and 42.9% had dropped out of or were failing in school. The study was approved by the institutional review board at the University of Colorado Health Sciences Center. Participants signed a consent form when they joined the program. The University of Colorado Health Sciences Center Institutional Review Board authorized waivers enabling minors to sign the consent form even if they were not accompanied by an adult and allowing the investigators to conduct this analysis without obtaining additional consent.

Data Collection and Variable Definitions
The primary source of data was the CAMP database, called the Electronic Report on Adolescent Pregnancy (ERAP).38 ERAP includes questionnaires used to collect information about program participants’ medical, psychological, sexual, and reproductive histories; clinical and research evaluations; and supplemental data from medical charts. Detailed descriptions of ERAP, the data collection procedures, and variable definitions are available at www.uchsc.edu/camp/defsandsumms.htm.

Depression
Depressive symptoms were quantified with a self-administered version of the EPDS.24 The EPDS is a brief (10-item), well-validated, reliable (Cronbach’s α: .87-
.88) scale that was developed for use during the perinatal period.34,35,39 The questions focus on the psychological rather than the somatic aspects of depression. Subjects respond to items such as, “I have been so unhappy that I have been crying,” on a 4-point Likert scale (responses range from: “yes, most of the time” score = 3 to “no, never” score = 0). Thus, total scores range between 0 and 30. The questions explore 2 distinct domains of negative affect: depressive symptoms (7 items) and anxiety (3 items).1 The EPDS has not been validated in adolescents, but it has been used with them.34,39,40 Construct validity of the EPDS in this population is supported by evidence that adolescent mothers’ scores vary in relation to anticipated antecedents, such as social support and self-efficacy.40

In the original validation studies,34,39 a score of $\geq 10$ identified $>90\%$ of women diagnosed with depression by the research diagnostic criteria. A cutoff score of $\geq 12$ improved the specificity of the scale for detecting severe depression but at the price of losing sensitivity for detecting mild-to-moderate depression.34,39 To minimize the chance of missing mothers whose day-to-day functioning was compromised by depressive symptoms, the referral threshold was set at a score of $\geq 10$ on the 10-item EPDS (EPDS-10).

Three subscales of the EPDS-10 were examined as ultrabrief alternatives: the anxiety subscale (3 items [EPDS-3]), the depressive symptoms subscale (7 items [EPDS-7]), and 2 questions that resemble the PHQ-2 (EPDS-2; Appendix). To compensate for the items that were removed, subscale scores were multiplied by a constant: 10 divided by the number of scale items. Thus, the diagnostic cutoff was $\geq 10$ on all 4 of the scales. To replicate the original PHQ-2 screener more closely, an alternative threshold, a score of $\geq 3$, was also examined for the EPDS-2.

Mothers who accompanied 0- to 6-month-olds to health maintenance visits were asked to complete the EPDS while they waited to see the pediatric health care provider; 97 (49.9%) did so more than once. On average, the 2 assessments were conducted 2.1 ± 1.1 months apart (range: 0.2–5.1 months). Health care providers collected and scored the EPDS forms. Mothers who crossed the referral threshold were referred immediately to the program’s on-site social worker for additional evaluation if they were <22 years old. Older mothers who crossed the referral threshold were referred to a mental health provider. Suicidality was treated as a medical emergency.

**Covariates**

Characteristics that could influence the understanding and interpretation of dysphoria and questions about it and the type of mood disorder that was manifested (ie, chronic depression or acute perinatal depression) were considered as possible confounders of the relationship between the full-scale and subscale diagnoses of depression. Intelligence, cognitive capacity, and literacy were not measured. However, responses could be influenced by age (early compared with middle or late adolescent or adult; <15 compared with ≥15-year-olds), educational achievement (middle school compared with high school or college; highest grade completed; eighth grade or less compared with more than eighth grade), educational achievement (grade retention compared with no grade retention), race/ethnicity (white, black, Hispanic, or Pacific Islander/Native American), and the chronicity of the depressive symptoms. Chronic depression was defined as a history of depression before pregnancy (self-report, not otherwise verified, yes or no) and depression during pregnancy (Center for Epidemiologic Studies Depression Scale score $\geq 24^{24}$). Acute, prenatal depression was diagnosed if the first symptoms emerged during pregnancy (Center for Epidemiologic Studies Depression Scale score $\geq 24$). For more information about these variable definitions, see www.uchsc.edu/camp/defsandsumms.htm.

**Data Analysis**

Summary statistics were used to describe the study population. Cronbach’s α was computed to assess the internal consistency of the scales in the population as a whole and in covariate subgroups. The $\chi^2$ statistic was used to assess the stability of the study definitions of excessive depressive symptomatology among those who completed the EPDS twice ($n[\text{r}] = 97$). Because depressed mothers were referred for evaluation and treatment, a low $\chi^2$ might be desirable. However, we reasoned that the time between assessments was so short that it would be unlikely that true depression would resolve. A false-positive diagnosis because of poor screener specificity may be less persistent. Sensitivity, specificity, and predictive values were computed for the 3 subscales. The reference criterion was a score of $\geq 10$ on the EPDS-10. Next, the construct validity of the scales was assessed. To this end, the relationship between the 5 definitions of excessive depressive symptomatology and past episodes of depression was examined with Pearson correlations and forward, stepwise logistic regression analyses. Because anxiety represents a smaller component of the depression women experience outside of the perinatal period,4,7,30–34 we reasoned that the EPDS-2 and EPDS-7 definitions of depression might be more closely related to chronic depression. Conversely, it might be anticipated that the EPDS-3 definition would be more closely related to acute prenatal depression. Variables were allowed to enter the regression models 1 at a time, on the basis of the strength of their association with the outcome measure. Colinearity diagnostics were conducted. To approximate relative risk, odds ratios adjusted for other predictors that entered the model and their 95% confidence intervals were calculated. Final models were tested with the $\chi^2$ likelihood ratio (SPSS 14.0 [SPSS Inc, Chicago, IL]).

**RESULTS**

On average, the initial depression screening was conducted (mean ± SD) 2.1 ± 2.1 months after delivery (range: 0.1–6.0 months postpartum) and the second screening ($n = 97$; mean ± SD) 3.2 ± 1.7 months after delivery (range: 0.6–6.7 months postpartum). Scores on the EPDS ranged between 0 and 26 months (mean ± SD:}
4.9 ± 5.4 months; median: 3.0 months). A total of 41 mothers (20.6%) met study criteria for referral for evaluation of depression (EPDS-10 score ≥ 10); the mean ± SD score for these mothers was 13.8 ± 4.0 compared with 2.6 ± 2.7 for the 158 mothers who did not cross the referral threshold.

The internal consistency of the 4 scales and the stability of the 5 definitions of excessive depressive symptomatology are presented in Table 1. The EPDS-2 was the least reliable, and the EPDS-2 definitions of excessive depressive symptomatology (ie, inflated score of ≥10 and raw score of ≥3) were the least stable. The EPDS-2 was the only scale that lacked internal consistency across covariate groups. The scale exhibited excellent internal consistency with mothers with chronic depression but was unreliable with mothers who did not have chronic depression (Cronbach’s α: .78 and .29, respectively).

Table 2 displays the sensitivity, specificity, and predictive values of the 4 definitions of excessive depressive symptomatology compared with the reference criterion, EPDS-10 score of ≥10. The EPDS-3 (anxiety subscale) had the best screening performance characteristics: sensitivity of 95% and negative predictive value of 98%. It identified 16% more of the mothers as depressed than the EPDS-10. The EPDS-2 was markedly inferior; sensitivity ranged from 48% to 80%, depending on the cutoff used.

Intercorrelations between the various measures of depression are presented in Table 3. With 1 minor exception, all 5 of the definitions of depressive symptomatology were significantly related to chronic (history of depression both before and during pregnancy) and acute prenatal depression.

When considered together in the stepwise regression analyses, chronic depression and prenatal depression remained significant independent predictors of depressive symptomatology. However, chronic depression was the only significant independent predictor of the EPDS-7 (depressive symptoms subscale) and EPDS-2 (PHQ-2 proxy) definitions of depressive symptomatology (Table 4). By contrast, prenatal depression was the only significant independent predictor of depressive symptomatology when the EPDS-3 (anxiety subscale) was used. In all of the cases, only a modest amount of the variance was explained by the previous episodes of depression, and most mothers who experienced depressive symptomatology after delivery had never been depressed before (Table 4).

**DISCUSSION**

Our analysis provides strong evidence for the validity and use of the EPDS-3 as an ultrabrief screening tool for identifying mothers at increased risk for postpartum depression in primary pediatric care settings. The psychometric properties of the 3-item anxiety subscale of the EPDS were comparable to those of the full 10-item scale (Cronbach’s α = .78 and .89, respectively). Furthermore, the 2 diagnoses of depressive symptomatology were equally stable across the brief observation period (κ = 0.6 and 0.5, respectively). Criterion validity for the EPDS-3 was established by operating characteristics that compared favorably with the EPDS-10 (Table 2).

The EPDS-3 identified 70 mothers (35%) of the study population as sufficiently depressed to warrant additional evaluation. This is 31 (16%) more cases than the EPDS-10 identified. However, formal psychiatric evaluations were not routinely conducted. Thus, it would be premature to interpret the discrepancy as “overdiagnosis” or evidence of poor specificity of the EPDS-3. Indeed, it might be argued that our assessment of construct validity favors the anxiety-based referral threshold of the EPDS-3. The unique association between prenatal depression and the risk of crossing the EPDS-3 referral threshold (Table 4) is consistent with reports concerning the prominence of anxiety in perinatal depression compared with other types of depression.4,7,31–34 The corresponding association between chronic depression and the risk of crossing the EPDS-7 and EPDS-2 referral thresholds supports this inference. However, a formal psychiatric evaluation would be needed to ensure that the EPDS-3 did not identify other mental health problems in these young mothers. Validation by diagnostic interview is particularly important, because the EPDS has not been validated in adolescents.

In comparison with the EPDS-3, the performance of the EPDS-2 was remarkably poor. The variations in the internal consistency of the EPDS-2 in relation to depression history make it a particularly poor choice. In another study, the operating characteristics of a scale composed of questions similar to the PHQ-2 were especially poor when administered as part of an interview during the first postpartum year.35 This finding raises the concern that, during discussions of maternal mood, new mothers and/or care providers may unwittingly discount anxiety as a manifestation of the dysphoria that they label “postpartum depression.”4 This reinforces the im-

**TABLE 1 Reliability and Stability of the EPDS and EPDS Subscales**

<table>
<thead>
<tr>
<th>Variable</th>
<th>Reliability*</th>
<th>Stability*</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPDS-10</td>
<td>.9</td>
<td>.05</td>
</tr>
<tr>
<td>EPDS-3</td>
<td>.8</td>
<td>.06</td>
</tr>
<tr>
<td>EPDS-7</td>
<td>.9</td>
<td>.06</td>
</tr>
<tr>
<td>EPDS-2 inflated score ≥ 10</td>
<td>.06</td>
<td>.04</td>
</tr>
<tr>
<td>EPDS-2 raw score ≥ 3</td>
<td>.06</td>
<td>.04</td>
</tr>
</tbody>
</table>

* Data show Cronbach’s α for EPDS-10, EPDS-3, and EPDS-7 and Pearson’s r for EPDS-2. Reliability was maintained across all of the covariate groups except for the EPDS-2 (see text).

* a statistic was defined as follows: <.20 indicates slight; .20 to .40, fair; .410 to .60, moderate; and >.60, substantial agreement.

**TABLE 2 Operating Characteristics of the EPDS Subscales**

<table>
<thead>
<tr>
<th>Measures of Test</th>
<th>Accuracy</th>
<th>EPDS-3, %</th>
<th>EPDS-7, %</th>
<th>EPDS-2 Inflated Score ≥ 10, %</th>
<th>EPDS-2 Raw Score ≥ 3, %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity</td>
<td>95</td>
<td>59</td>
<td>80</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Negative predictive value</td>
<td>98</td>
<td>90</td>
<td>94</td>
<td>88</td>
<td></td>
</tr>
<tr>
<td>Specificity</td>
<td>80</td>
<td>100</td>
<td>95</td>
<td>97</td>
<td></td>
</tr>
<tr>
<td>Positive predictive value</td>
<td>56</td>
<td>100</td>
<td>77</td>
<td>77</td>
<td></td>
</tr>
</tbody>
</table>

Reference is the full 10-item EPDS score ≥ 10; all of the comparisons between sensitivities and specificities are at a P value of <.0001 (McNemar’s test).
portance of using a depression screening tool that asks explicitly about anxiety in this setting.

A discussion of the risks and benefits of screening mothers for postpartum depression is beyond the scope of this study, and readers are referred elsewhere for an expert review of the controversy. Nonetheless, with 1 of 5 CAMP mothers crossing the screening threshold for referral and the circumstantial evidence that providers and mothers may preferentially discount anxiety as a symptom of depression, the results of this study demonstrate that routine screening with an ultrabrief depression scale has the potential to improve detection of maternal depression.

Ultimately it would be desirable to repeat this analysis in a larger cohort of mothers spanning a wider age range. It will also be important to extend screening beyond the first 6 postpartum months. Anxiety remains a prominent feature of maternal depression beyond the immediate postpartum period, and chronicity is an important determinant of maternal and child outcome. The criterion validity for the EPDS-3 must also be established by comparison with a psychiatric interview. The lack of such validation is clearly an important shortcoming of this analysis, because we cannot ensure that the EPDS-3 did not identify other mental health problems (ie, anxiety disorder) in these adolescent mothers. However, even without this information, the results of this study add important new information to the discussion about how to screen mothers for depression. Our findings strongly suggest that health care providers who do not have time to administer the full EPDS should consider incorporating the EPDS-3 into their health maintenance visits with new mothers. For example, the EPDS-3 might be incorporated into an electronic medical chart so that providers are automatically cued to ask the questions at well-child visits. Online scoring with links to referral options where scores indicate the need for additional evaluation would make screening for postpartum and maternal depression difficult to resist.

**ACKNOWLEDGMENTS**

We would like to acknowledge the contributions of Dr. Catherine “Cassie” Stevens-Simon to this work and for her dedication to the Colorado Adolescent Maternity Program. Dr. Stevens-Simon passed away last November after a long battle with cancer. She is greatly missed and we hope to continue her legacy of caring for adolescent mothers and their families.

We thank Lisa Kelly and other members of the CAMP staff for help in collecting the data.

**REFERENCES**


**APPENDIX: EDINBURGH POSTPARTUM DEPRESSION SCALE**

As you have recently had a baby, we would like to know how you are feeling.
Please **UNDERLINE** the answer that comes closest to how you have felt
IN THE PAST 7 DAYS, not just how you feel today.

<table>
<thead>
<tr>
<th>I have been able to laugh and see the funny side of things.</th>
<th>I have looked forward with enjoyment to things.</th>
</tr>
</thead>
<tbody>
<tr>
<td>As much as I always could</td>
<td>As much as I ever did</td>
</tr>
<tr>
<td>Not quite so much now</td>
<td>Rather less than I used to</td>
</tr>
<tr>
<td>Definitely not so much now</td>
<td>Definitely less than I used to</td>
</tr>
<tr>
<td>Not at all</td>
<td>Hardly at all</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>I have blamed myself unnecessarily when things went wrong.</th>
<th>I have been anxious or worried for no good reason.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, most of the time</td>
<td>No, not at all</td>
</tr>
<tr>
<td>Yes, some of the time</td>
<td>Hardly ever</td>
</tr>
<tr>
<td>Not very often</td>
<td>Yes, sometimes</td>
</tr>
<tr>
<td>No, not at all</td>
<td>Yes, very often</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>I have felt scared or panicky for not very good reason.</th>
<th>Things have been getting on top of me.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, quite a lot</td>
<td>Yes, most of the time I haven’t been able to cope at all</td>
</tr>
<tr>
<td>Yes, sometimes</td>
<td>Yes, sometimes I haven’t been coping as well as usual</td>
</tr>
<tr>
<td>No, not much</td>
<td>No, most of the time I have coped quite well</td>
</tr>
<tr>
<td>No, not at all</td>
<td>No, I have been coping as well as ever</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>I have felt so unhappy that I have had difficulty sleeping.</th>
<th>I have felt sad or miserable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, most of the time</td>
<td>Yes, most of the time</td>
</tr>
<tr>
<td>Yes, sometimes</td>
<td>Yes, quite often</td>
</tr>
<tr>
<td>Not very often</td>
<td>Not very often</td>
</tr>
<tr>
<td>No, not at all</td>
<td>No, not at all</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>I have been so unhappy that I have been crying.</th>
<th>The thought of harming myself has occurred to me.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, most of the time</td>
<td>Yes, quite often</td>
</tr>
<tr>
<td>Yes, quite often</td>
<td>Sometimes</td>
</tr>
<tr>
<td>Only occasionally</td>
<td>Hardly ever</td>
</tr>
<tr>
<td>No, never</td>
<td>Never</td>
</tr>
</tbody>
</table>

* Original PHQ-2 depression screener (26):
Over the last 2 weeks, how often have you been bothered by any of the following problems?:

<table>
<thead>
<tr>
<th>Not at all = 0</th>
<th>Several days = 1</th>
<th>More than half the days = 2</th>
<th>Nearly everyday = 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>I’ve had little interest or pleasure in doing things.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I’ve been feeling down, depressed, or hopeless.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Depression cut-off is a score ≥3