



## Mode of use

The clinician should discuss the reasons for completing the questionnaire, and the way to fill it out with the patient. On completion of the questionnaire by the patient, it is scored by the clinician.

## Scoring and interpretation

Pfizer and others have suggested the use of a simpler proxy system of scoring to estimate diagnostic categories. This is explained by the website created by the MacArthur Initiative on Depression and Primary Care<sup>9</sup>. This site includes also information concerning making a tentative diagnosis, a guide for severity scoring, a provisional diagnosis table, and a treatment response table for primary care clinicians<sup>10,11,12,13</sup>.

The maximum score is 27 (9 questions x maximum 3 points per question). A patient's score is given out of 27. Depression severity is graded based on the PHQ-9 score:

- |                     |       |
|---------------------|-------|
| ▪ None              | 0-4   |
| ▪ Mild              | 5-9   |
| ▪ Moderately        | 10-14 |
| ▪ Moderately severe | 15-19 |
| ▪ Severe            | 20-27 |

## Validity and reliability

The PHQ-9 has been tested for validity and reliability in a range of languages. It has been validated also for use in a variety of populations, e.g. systematic sclerosis, depression in HIV/AIDs patients, and depression in diabetes patients<sup>14,15,16,17</sup>.

## References:

1. Kroenke K, Spitzer RL, Williams JB, et al. The Patient Health Questionnaire Somatic, Anxiety, and Depressive Symptom Scales: a systematic review. *General Hospital Psychiatry*. 2010;32(4):345-59. <http://www.ncbi.nlm.nih.gov/pubmed/20633738>. (Accessed 19-11-2012).
2. *Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition - Text Revision (DSMIV-TR)*. American Psychiatric Association 2000
3. Kroenke K, Spitzer RL, Williams JB. *The PHQ-15: validity of a new measure for evaluating the severity of somatic symptoms*. *Psychosomatic Medicine*. 2002;64(2):258-66. <http://www.psychosomaticmedicine.org/content/64/2/258.full.pdf+html> (Accessed 09-11-2012)
4. Kroenke K, Spitzer RL, Williams JB, et al. An ultra-brief screening scale for anxiety and depression: the PHQ-4. *Psychosomatics*. 2009;50(6):613-21. <http://www.ncbi.nlm.nih.gov/pubmed/19996233> (Accessed 09-11-2012)
5. Kroenke K, Strine TW, Spitzer RL, et al. The PHQ-8 as a measure of current depression in the general population. *Journal of Affective Disorders*. 2009;114(1-3):163-73. <http://www.ncbi.nlm.nih.gov/pubmed/18752852> (Accessed 19-11-2012).
6. Spanish version of the PHQ-9. [http://www.depression-primarycare.org/images/pdf/phq\\_9\\_spanish.pdf](http://www.depression-primarycare.org/images/pdf/phq_9_spanish.pdf). (Accessed 17-11-2012)
7. Tomaszewski K, Zarychta M, Bieńkowska A, et al. Validation of the Patient Health Questionnaire-9 Polish version in the hospitalised elderly population. *Psychiatria Polska*. 2011;45(2):223-33. <http://www.ncbi.nlm.nih.gov/pubmed/21714211>
8. Hyphantis T, Kotsis K, Voulgari PV, et al. Diagnostic accuracy, internal consistency, and convergent

validity of the Greek version of the patient health questionnaire 9 in diagnosing depression in rheumatologic disorders. *Arthritis Care Res (Hoboken)*. 2011;63(9):1313-21.  
[http://www.ncbi.nlm.nih.gov/pubmed/21618450\\_](http://www.ncbi.nlm.nih.gov/pubmed/21618450_)

9. The MacArthur Initiative. (<http://www.depression-primarycare.org/> (Accessed 27-11-2012))
10. Questionnaire for making a tentative diagnosis. [http://www.depression-primarycare.org/clinicians/toolkits/materials/forms/phq9/tentative\\_diagnosis//](http://www.depression-primarycare.org/clinicians/toolkits/materials/forms/phq9/tentative_diagnosis//) (Accessed 27-11-2012)
11. Guide for the severity of scoring. ([http://www.depression-primarycare.org/clinicians/toolkits/materials/forms/phq9/severity\\_scoring/](http://www.depression-primarycare.org/clinicians/toolkits/materials/forms/phq9/severity_scoring/) (Accessed 27-11-2012))
12. Provisional diagnosis table. [http://www.depression-primarycare.org/clinicians/toolkits/materials/forms/phq9/score\\_table/](http://www.depression-primarycare.org/clinicians/toolkits/materials/forms/phq9/score_table/)) (Accessed 27-11-2012)
13. Treatment response table for clinicians in primary care. [http://www.depression-primarycare.org/clinicians/toolkits/materials/forms/phq9/treatment\\_response/](http://www.depression-primarycare.org/clinicians/toolkits/materials/forms/phq9/treatment_response/) (Accessed 27-11-2012)
14. Kroenke K, Spintzer RL, Williams JB. The PHQ-9: validity of a brief depression severity measure. *Journal of General Internal Medicine* 2001;16(9):606-613.  
[http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1495268/pdf/jgi\\_01114.pdf\\_](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1495268/pdf/jgi_01114.pdf_) (Accessed 09-11-2012)
15. Monahan PO, Shacham E, Reece M, et al. Validity/reliability of PHQ-9 and PHQ-2 depression scales among adults living with HIV/AIDS in western Kenya. *Journal of General Internal Medicine*. 2009;24(2):189-97.  
[http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2629000/pdf/11606\\_2008\\_Article\\_846.pdf](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2629000/pdf/11606_2008_Article_846.pdf)
16. Milette K, Hudson M, Baron M, et al. Comparison of the PHQ-9 and CES-D depression scales in systemic sclerosis: internal consistency reliability, convergent validity and clinical correlates. *Rheumatology (Oxford)*. 2010;49(4):789-96.  
<http://rheumatology.oxfordjournals.org/content/49/4/789.full.pdf+html>
17. van Steenbergen-Weijenburg KM, de Vroege L, Ploeger RR, et al. Validation of the PHQ-9 as a screening instrument for depression in diabetes patients in specialized outpatient clinics. *BMC Health Services Research*. 2010 ;10:235. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2927590/pdf/1472-6963-10-235.pdf>