Tardive Dyskinesia (TD) Overview



What Is Tardive Dyskinesia (TD)?

TD is a persistent, involuntary movement disorder that is characterized by uncontrollable, abnormal and repetitive movements of the face, torso, limbs, and fingers or toes. 1-4 These involuntary movements may be rapid and jerky or slow and writhing. 245 This can be disruptive and negatively impact people living with TD. 5 TD is a chronic condition that is unlikely to improve without treatment. 13

What Causes TD?

TD is associated with prolonged use of antipsychotic medication that may be necessary to treat individuals living with mental illnesses such as the following disorders^{3,6}:

- · Major depressive disorder
- Schizophrenia
- Bipolar disorder
- · Schizoaffective disorder

Certain prescription medicines (metoclopramide and prochlorperazine) used to treat gastrointestinal disorders may also cause TD.^{7,8}

How Common Is TD?

Approximately 600,000
people in the U.S. are
living with TD and approximately
65% have not yet
been diagnosed. 16.9



What Are Risk Factors for TD?



Older age (55 years and older)^{10,11}



Substance use disorder^{11,12}



Being postmenopausal¹³

How Does TD Affect Everyday Lives?

The uncontrollable movements of TD can negatively impact people physically, socially and emotionally. Even mild uncontrollable body movements from TD could have emotional and social consequences. These movements can cause worry, frustration and self-consciousness.

According to a survey, people with diagnosed or suspected TD (n = 250) reported the condition moderately or extremely affected them in the following three areas^{5,*}:



Ability to fall asleep



Ability to type and/or write



and drink

†Results based on a survey of 397 people diagnosed with TD (n=173) or suspected of TD (n=224) who were asked, "Tardive dyskinesia may impact you in many different ways. To what extent has tardive dyskinesia impacted you in each of the following areas?" Answers ranged on a scale of 1 (not impacted at all) to 7 (extremely impacted).

"Responses based on survey questions: "Since first experiencing involuntary movements, how has your ability to physically perform the following daily activities been affected, if at all?" and "How would you describe the severity of your involuntary movements?" Please use a scale of 1 to 5 when 1 means "Not at all affected" and 5 means "Extremely negatively affected." Results shown include the number of responses greater than or equal to 3 on the scale.

Could It Be TD?

It's important that people who are taking antipsychotic medication be monitored by a healthcare provider for drug-induced movement disorders (DIMDs), such as TD.^{4,1} Periodic screenings for abnormal movements in people taking antipsychotic medication are essential for detection, proper diagnosis and appropriate management to help improve therapeutic outcomes.¹¹

If you have been taking antipsychotic medication for a while and are experiencing uncontrollable, abnormal and repetitive movements, initiate a conversation with your healthcare provider. U.S. Food and Drug Administration-approved treatments for TD are available.

Please visit **TalkAboutTD.com**, and follow **@Neurocrine** on X (formerly Twitter) and Facebook to learn more about TD and available resources.



References: 1. Cloud LJ, Zutshi D, Factor SA. Tardive dyskinesia: therapeutic options for an increasingly common disorder. Neurotherapeutics. 2014;11(1):166-176. doi:10.1007/s13311-013-0222-5 2. Task Force on Tardive Dyskinesia: A task force report of the American Psychiatric Association. 1992. 3. American Psychiatric Association Psychiatric Assoc





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48%)



Ability to fall asleep

Ability to type and/or write

Ability to eat and drink

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Proactive recognition and treatment of TD can make a positive impact in the lives of many patients managing their mental illness. Once a TD diagnosis has been established, talk with your patient about managing symptoms. There are U.S. Food and Drug Administration–approved treatment options for TD.

Please visit **MIND-TD.com** for helpful information on identification of TD and differentiation from other movement disorders.



References: 1. Cloud LJ, Zutshi D, Factor SA. Tardive dyskinesia: therapeutic options for an increasingly common disorder. Neurotherapeutics. 2014;11(1):166-176. doi:10.1007/s13311-013-0222-5 2. Task Force on Tardive Dyskinesia. Tardive Dyskinesia: A task force report of the American Psychiatric Association. 1992. 3. American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders. 5th ed. Text Revision. American Psychiatric Association; 2023. 4. Guy W. ECDEU Assessment Manual for Psychophramracology. National Institute of Mental Health; 1976. 5. Data on File. Neurocrine Biosciences, Inc. 6. Caroff SN, Hurford I, Lybrand J, Campbell EC. Movement disorders induced by antipsychotic drugs: implications of the CATIE schizophrenia trial. Neurol Clin. 2019;29(1):127-148. doi:10.1016/j.nc. Ye. Renney C, Hurtoc. C, Davidson A, Jankovic J. Metacolopramide, an increasingly recognized cause of trardive dyskinesia: A Colin Pharmacol. 2018;9:913. doi: 10.3389/fphar.2018.00938.48(3):379-384. doi:10.1177/0091270007312258 8. Sanger GJ, Andrews PLR. A history of drug discovery for treatment of nausea and vomiting and the implications for future research. Front. Pharmacol. 2018;9:913. doi: 10.3389/fphar.2018.00913 9. Carbon M, Hsieh CH, Kane JM, Correll CU. Tardive dyskinesia prevalence in the period of second-generation antipsychotic use: A metar-analysis. J Clin Psych. 2017;78(3):e264-e278. doi:10.4088/JCP.1610832 10. Woverner, MG, et al. Prospective study of tardive dyskinesia in the elderly: rates and risk factors. Am J Psychiatry. 1998;195(11):1521-1528. doi:10.1176/jcjp.1551.11521 11. Experse GA, Fochtman JJ, Arzic JM, et al. The American Psychiatric Association practice guideline for the treatment of potients with schizophrenia. Am J Psychiatry, 2020;177(9):888-872 doi:10.1176/jcjp.1521-1528. doi:10.1176/jcjp.1551.11521 11. Experse GA, Fochtman JJ, Arzic JM, et al. The American Psychiatry association practice guideline for the treatment of potients with schizophrenia: boseline data from the CATIE sc



