

Hallucinogen Persisting Perception Disorder

Code: 292.89 (F16.983)

Hallucinogen Persisting Perception Disorder

292.89 (F16.983)

Hallucinogen Persisting Perception Disorder

Diagnostic Criteria 292.89 (F16.983)

- A. Following cessation of use of a hallucinogen, the reexperiencing of one or more of the perceptual disturbances characteristic of the individual's use of the hallucinogen (e.g., geometric hallucinations, false perceptions of movement in the peripheral visual field, flashes of color, intermixed colors, trails of images of moving objects, positive afterimages, negative afterimages, etc.).
- B. The symptoms in Criterion A cause clinically significant distress or impairment in social, occupational, or other important areas of functioning.
- C. The symptoms are not attributable to another medical condition (e.g., anatomical lesions, metabolic abnormalities, drug effects, or side effects of medication) or to another mental disorder (e.g., delirium, major neurocognitive disorder, schizophrenia) or nonpharmacologic hallucinogen use.

Diagnostic Features

The hallmark of hallucinogen persisting perception disorder is the reexperiencing, when the individual is sober, of perceptual disturbances that were experienced during the individual's use and cessation of the hallucinogen (Criterion A). The symptoms may include perceptual perturbations, but visual disturbances tend to be predominant. Typical of the abnormal perceptual experiences are geometric hallucinations, false perceptions of movement in the peripheral visual fields, flashes of color, intermixed colors, trails of images of moving objects, positive afterimages, negative afterimages, etc. (see Diagnostic Criteria).

D. The symptoms are not attributable to another medical condition (e.g., anatomical lesions, metabolic abnormalities, drug effects, or side effects of medication) or to another mental disorder (e.g., delirium, major neurocognitive disorder, schizophrenia) or nonpharmacologic hallucinogen use.

E. Duration of the visual disturbances may be episodic or nearly continuous and must cause clinically significant distress or impairment in social, occupational, or other important areas of functioning (Criterion B). The disturbances may last for weeks, months, or years. Other experiences associated with the disorder (e.g., anxiety, depression, avoidance, suicide ideation, migraine aura without headache) must be ruled out (Criterion C).

Hallucinogen persisting perception disorder occurs primarily from LSD (lysergic acid diethylamide), but may also occur from other hallucinogens. There is no clear distinction between hallucinogen persisting perception disorder and number of occasions of hallucinogen use (see Diagnostic Criteria).

F. Individuals with hallucinogen persisting perception disorder may experience symptoms in individuals with minimal exposure to hallucinogens. Some instances of hallucinogen persisting perception disorder may be associated with the use of other substances (e.g., cannabis or alcohol) or adaptation to dark environments.

Associated Features Supporting Diagnosis

Rarity of the disorder: The individual with hallucinogen persisting perception disorder (i.e., the individual is aware that the disturbance is linked to the effect of the drug).

If this is the case, another disorder might better explain the abnormal perceptions.

Prevalence: Prevalence estimates of hallucinogen persisting perception disorder are unknown. Initial prevalence estimates of the disorder among individuals who use hallucinogens is approximately 4.2%.

F3 Substance-Related and Addictive Disorders

Development and Course

Little is known about the development of hallucinogen persisting perception disorder. Its course, as suggested by its name, is persistent, lasting for weeks, months, or even years in certain individuals.

Risk and Prognostic Factors

Risk factors for the development of hallucinogen persisting perception disorder include the individual's sensitivity to the drug effects in the condition.

Functional Impairment

Hallucinogen Persisting Perception Disorder

Although hallucinogen persisting perception disorder remains a chronic condition in some individuals, others with the disorder are able to suppress the disturbances and continue to function normally.

Differential Diagnosis

Conditions to be ruled out include schizophrenia, other drug effects, neurodegenerative disorders, stroke, brain tumors, infections, and head trauma. Neuroimaging results in hallucinogen persisting perception disorder are normal. If the individual is still visually testing remains intact (i.e., the individual is aware that the disturbance is linked to the effect of the drug), if this is not the case, another disorder (e.g., psychotic disorder, another mental disorder, or nonpharmacologic hallucinogen use) should be considered.

Comorbidity

Common comorbid mental disorders accompanying hallucinogen persisting perception disorder are panic disorder, alcohol use disorder, and major depressive disorder.

Other Hallucinogenic-Induced Disorders

Other hallucinogenic-induced disorders described in other chapters of the manual with which they share pharmacology (see the substance/medication-induced mental disorders with which these share pharmacology (see the substance/medication-induced mental disorders in this chapter); other hallucinogen-induced psychotic disorder (see "Schizophrenia and Other Psychotic Disorders"); other hallucinogen-induced bipolar disorder ("Bipolar and Related Disorders"); other hallucinogen-induced depressive disorder ("Depressive Disorders"); phenylketonuria-induced psychosis ("Metabolic Disorders"); and other hallucinogen-induced anxiety disorder ("Anxiety and Trauma--and Stressor-Related Disorders"). For phenylketonuria-induced intoxication delirium, see the criteria and discussion of delirium in the chapter "Delirium, Dementia, Confusion, and Amnesia." These disorders are diagnosed instead of phenylketonuria intoxication only when the symptoms are sufficiently severe and persistent to warrant independent clinical attention.

Other Hallucinogen-Induced Disorders

The following other hallucinogen-induced disorders are described in other chapters of the manual with which they share pharmacology (see the substance/medication-induced mental disorders in this chapter); other hallucinogen-induced psychotic disorder (see "Schizophrenia and Other Psychotic Disorders"); other hallucinogen-induced bipolar disorder ("Bipolar and Related Disorders"); other hallucinogen-induced depressive disorder ("Depressive Disorders"); and other hallucinogen-induced anxiety disorder ("Anxiety and Trauma- and Stressor-Related Disorders"). For phenylketonuria-induced intoxication delirium, see the criteria and discussion of delirium in the chapter "Delirium, Dementia, Confusion, and Amnesia." These hallucinogen-induced disorders are diagnosed instead of other hallucinogen intoxication only when the symptoms are sufficiently severe and persistent to warrant independent clinical attention.

Unspecified Phenylketonuria-Related Disorder

This category applies to presentations in which symptoms characteristic of a phenylketonuria-related disorder are present, but do not meet the full criteria for any specific phenylketonuria-related disorder or any of the disorders in the substance/medication-induced mental disorders diagnostic class.

Unspecified Hallucinogen-Related Disorder

This category applies to presentations in which symptoms characteristic of a hallucinogen-related disorder are present, but do not meet the full criteria for any specific hallucinogen-related disorder or any of the disorders in the substance/medication-induced mental disorders diagnostic class.

Inhalant Intoxication

Other Inhalant-Related Disorders

Unspecified Inhalant-Related Disorder

Inhalant Use Disorders

Diagnostic Criteria

- A. A problematic pattern of use of a hydrocarbon-based inhalant substance leading to clinically significant impairment or distress, as manifested by at least two of the following, occurring within a 12-month period:

1. The inhalant substance is often taken in larger amounts or over a longer period than was intended.

2. There is a persistent desire or unsuccessful efforts to cut down or control use of the inhalant substance.

3. A great deal of time is spent in activities necessary to obtain the inhalant substance, use it, or recover from its effects.

4. Craving, or a strong desire or urge to use it in relation to inhalants.

5. Repeatedly using inhalants in situations involving the health and safety of self or others (e.g., at work, school, or home).

6. Continued use of inhalants despite having persistent or recurrent social or interpersonal problems caused or exacerbated by the effects of its use.

7. Important social, occupational, or recreational activities are given up or reduced because of use of the inhalant substance.

8. Recurrent use of the inhalant substance in situations in which it is physically hazardous.

9. Use of the inhalant substance is continued despite knowledge of having a persistent or recurrent physical or psychological problem that is likely to have been caused or exacerbated by the substance.

10. A need for markedly increased amounts of the inhalant substance to achieve intoxication or desired effect.

b. A tolerance effect with continued use of the same amount of the inhalant substance.

c. Symptoms of withdrawal when possible; When possible, the particular substance involved should be named (e.g., "solvent use disorder").

Specify current severity:

304.00 (F16.10) Minimal: Presence of 2-3 symptoms.

304.60 (F16.20) Moderate: Presence of 4-6 symptoms.

304.60 (F16.20) Severe: Presence of 6 or more symptoms.

Inhalant-Related Disorders

Specifiers

This manual distinguishes volatile hydrocarbon use from the above diagnostic criteria as inhalant disorders. Volatile hydrocarbons are toxic gases from plants, fuels, paints, and other volatile compounds. When possible, the particular substance involved should be named (e.g., "solvent use disorder"). Volatile hydrocarbons can produce a mixture of several substances that can produce psychoactive effects, and it is often difficult to associate the individual's use with a single substance. In such cases, it is often useful to record the general term "inhalant" in the diagnosis. If the individual has used a single, unnamed substance has been used, the general term inhalant should be used in recording the diagnosis. Disorders arising from inhalation of nitrous oxide or amyl, butyl, or isobutyl nitrites are best recorded as "nitrite use disorder" or "nitrite-induced disorder."

"In a controlled environment" applies as a further specification of remission if the individual uses the inhalant substance only in a controlled environment (e.g., in a hospital or in a controlled environment or in sustained remission in a controlled environment). Examples of these disorders include supervised and controlled therapeutic environments, hospitals, and locked hospital units.

The severity of individual inhalant use disorder is indicated by the level of diagnostic specificity. Inhalant use disorder is mild if the individual uses the inhalant substance previously mentioned, the criteria for inhalant use disorder have been met at any time during a period of 1 month or less. Inhalant use disorder is moderate if the individual uses the inhalant substance previously mentioned, the criteria for inhalant use disorder have been met at any time during a period of 3 months or less. Inhalant use disorder is severe if the individual uses the inhalant substance previously mentioned, the criteria for inhalant use disorder have been met at any time during a period of 6 months or more.

Specify current severity:

304.00 (F16.10) Minimal: Presence of 2-3 symptoms.

304.60 (F16.20) Moderate: Presence of 4-6 symptoms.

304.60 (F16.20) Severe: Presence of 6 or more symptoms.

Inhalant-Related Disorders

Diagnoses

Features of inhalant use disorder include repeated use of an inhalant substance despite the individual's knowing that the substance is causing serious problems for the individual (Criterion A), and continued use of the inhalant substance in spite of social and occupational problems (Criterion B).

Misuse of work or school or inability to perform typical responsibilities at work or school (Criterion A), and continued use of the inhalant substance in spite of social and occupational problems (Criterion B). Continued use of the inhalant substance in spite of social and occupational problems (Criterion A), and continued use of the inhalant substance in spite of social and occupational problems (Criterion B). May be seen in inhalant use disorder. Limiting family contact, work, or school obligations, or reducing social activities, or causing social and economic problems (Criterion A). May be seen in inhalant use disorder. Causing physical damage to property or persons (Criterion A) is also seen.

Taking risks while using the inhalant substance (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

Using the inhalant substance in situations where it is physically hazardous (e.g., driving a motor vehicle while using the inhalant substance, or using the inhalant substance while swimming or boating).

<p