



# Children, Families, Health, and Human Services Interim Committee

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67th Montana Legislature

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**TO:** Children, Families, Health, and Human Services Interim Committee  
**FROM:** Sue O'Connell, Committee Researcher  
**DATE:** November 10, 2021  
**RE:** Detail on Montana State Hospital Patients with Dementia Diagnoses

At its September 22, 2021, meeting, the Children, Families, Health, and Human Services Interim Committee received information about the number of people committed to the Montana State Hospital (MSH) in recent years who had a primary or secondary diagnosis of Alzheimer's disease or another dementia.

Committee members asked for more detail about the diagnoses for those individuals. This memo summarizes data received from (MSH) about the specific diagnoses for people who were committed during 2019 and 2020 and through mid-September 2021.

**Dementia Diagnostic Codes**

Medical diagnoses are classified in a publication known as the International Classification of Diseases, 10<sup>th</sup> Revision, Clinical Modification, or ICD-10-CM. The data provided by MSH reflected six different diagnostic codes involving dementia, either as a primary or secondary diagnosis.

The table below provides the ICD-10-CM description for the six diagnostic codes.

<b>Diagnostic Code</b>	<b>Description</b>
F01.50	Vascular dementia without behavioral disturbance
F01.51	Vascular dementia with behavioral disturbance
F02.80	Dementia in other diseases classified elsewhere without behavioral disturbance
F02.81	Dementia in other diseases classified elsewhere with behavioral disturbance
F03.90	Unspecified dementia without behavioral disturbance
F03.91	Unspecified dementia with behavioral disturbance

## **Number of Commitments with Dementia as a Primary or Secondary Diagnosis**

The MSH data showed the following number of individuals committed to the hospital had dementia as a primary or secondary diagnosis.

	<b>Primary Diagnosis</b>	<b>Secondary Diagnosis</b>
2019	11	9
2020	9	21
2021*	6	4

\* Through September 13, 2021

## **Individuals with a Primary Diagnosis of Dementia**

The table below lists each of the *secondary* diagnoses provided for individuals whose primary diagnosis involved dementia.

<b>Year</b>	<b>Primary Diagnosis</b>	<b>#</b>	<b>Secondary diagnosis</b>
<b>2019</b>	F01.50	1	<ul style="list-style-type: none"> <li>• Major depressive disorder, single episode, unspecified</li> </ul>
	F01.51	5	<ul style="list-style-type: none"> <li>• Old myocardial infarction</li> <li>• Paroxysmal atrial fibrillation</li> <li>• Alcohol use, unspecified with alcohol-induced persisting amnesic disorder (2)</li> </ul>
	F03.91	5	<ul style="list-style-type: none"> <li>• Bipolar disorder, unspecified</li> <li>• Unspecified mood [affective] disorder</li> <li>• Unspecified protein-calorie malnutrition</li> <li>• Personal history of mental and behavioral disorders (2)</li> </ul>
<b>2020</b>	F01.50	2	<ul style="list-style-type: none"> <li>• Need for assistance with personal care</li> <li>• Unspecified systolic (congestive) heart failure</li> </ul>
	F03.90	2	<ul style="list-style-type: none"> <li>• Personal history of other mental and behavioral disorders</li> <li>• Intermittent explosive disorder</li> </ul>
	F03.91	5	<ul style="list-style-type: none"> <li>• Generalized anxiety disorder</li> <li>• Unspecified intellectual disabilities</li> <li>• Other stimulant use, unspecified, uncomplicated</li> <li>• Major depressive disorder, single episode, unspecified</li> <li>• Alcohol dependence with alcohol-induced persisting amnesic</li> </ul>
<b>2021</b>	F01.51	1	<ul style="list-style-type: none"> <li>• Unspecified symptoms and signs involving cognitive functions following cerebral infarction</li> </ul>
	F02.81	2	<ul style="list-style-type: none"> <li>• Mood disorder due to known physiological condition, unspecified</li> <li>• Other specified problems related to primary support group</li> </ul>
	F03.91	3	<ul style="list-style-type: none"> <li>• Nicotine dependence, unspecified, uncomplicated</li> <li>• Major depressive disorder, single episode, unspecified</li> <li>• Heart failure, unspecified</li> </ul>

**Individuals with a Secondary Diagnosis Involving Dementia**

The table below lists each of the *primary* diagnoses for individuals whose secondary diagnosis involved dementia.

<b>Year</b>	<b>Secondary Diagnosis</b>	<b>#</b>	<b>Primary Diagnosis</b>
<b>2019</b>	F.01.51	1	<ul style="list-style-type: none"> <li>• Cerebrovascular disease, unspecified</li> </ul>
	F02.80	2	<ul style="list-style-type: none"> <li>• Unspecified symptoms and signs involving cognitive functions following cerebral infarction</li> <li>• Diffuse traumatic brain injury with loss of consciousness of unspecified duration, sequela</li> </ul>
	F02.81	15	<ul style="list-style-type: none"> <li>• Alzheimer's disease, unspecified (3)</li> <li>• Other frontotemporal dementia</li> <li>• Diffuse traumatic brain injury with loss of consciousness of unspecified duration, sequela</li> </ul>
	F03.91	1	<ul style="list-style-type: none"> <li>• Major depressive disorder, recurrent, with severe psychotic symptoms</li> </ul>
<b>Year</b>	<b>Secondary Diagnosis</b>	<b>#</b>	<b>Primary Diagnosis</b>
<b>2020</b>	F01.51	2	<ul style="list-style-type: none"> <li>• Other stimulant abuse with other stimulant-induced disorder</li> <li>• Essential (primary) hypertension</li> </ul>
	F02.80	2	<ul style="list-style-type: none"> <li>• Diffuse traumatic brain injury with loss of consciousness of unspecified duration, sequela</li> </ul>
	F02.81	15	<ul style="list-style-type: none"> <li>• Alzheimer's disease with early onset</li> <li>• Alzheimer's disease, unspecified (9)</li> <li>• Other frontotemporal dementia</li> <li>• Lewy body dementia (3)</li> <li>• Malignant neoplasm of temporal lobe</li> </ul>
	F03.91	1	<ul style="list-style-type: none"> <li>• Disorientation, unspecified</li> </ul>
<b>2021</b>	F02.80	2	<ul style="list-style-type: none"> <li>• Alzheimer's disease, unspecified</li> <li>• Lewy body dementia</li> </ul>
	F02.81	2	<ul style="list-style-type: none"> <li>• Lewy body dementia</li> <li>• Diffuse traumatic brain injury with loss of consciousness of unspecified duration, sequela</li> </ul>