

# Best Evidence Summaries of Topics in Mental Healthcare

**BEST** *in* **MH** *clinical question-answering service*

## Question

In adults with mental health issues, does the use of protective headwear reduce the risk of injury in fallers?

## Clarification of question using *PICO* structure

*Patients:* Adults with mental health issues

*Intervention:* protective headwear

*Comparator:* no protective headwear

*Outcome:* reduce the risk of injury in fallers

## Plain language summary

High quality research is needed into protective headwear for reducing the risk of injury in fallers.

**Clinical and research implications**

No high quality, relevant research evidence was identified.

**What does the evidence say?*****Number of included studies/reviews (number of participants)***

N/A

Main findings

N/A

***Authors conclusions***

N/A

***Reliability of conclusions/Strength of evidence***

N/A

**What do guidelines say?**

National guidelines do not comment specifically on headwear for reducing risk of injury in fallers, however NICE guidelines (CG161) do make the following suggestions in regards to assessment and interventions for falls:

Ensure that aspects of the inpatient environment (including flooring, lighting, furniture and fittings such as hand holds) that could affect patients' risk of falling are systematically identified and addressed.

For patients at risk of falling in hospital, consider a multifactorial assessment and a multifactorial intervention.

Ensure that any multifactorial assessment identifies the patient's individual risk factors for falling in hospital that can be treated, improved or managed during their expected stay.

Ensure that any multifactorial intervention promptly addresses the patient's identified individual risk factors for falling in hospital and takes into account whether the risk factors can be treated, improved or managed during the patient's expected stay.

Do not offer falls prevention interventions that are not tailored to address the patient's individual risk factors for falling. Pp16-17

**Date question received:** 14/09/2016

**Date searches conducted:** 21/09/2016

**Date answer completed:** 26/09/2016

**References*****Guidelines***

National Institute for Health and Care Excellence (2013) Falls: Assessment and prevention of falls in older people. CG161. London: National Institute for Health and Care Excellence

<https://www.nice.org.uk/guidance/cg161/resources/falls-in-older-people-assessing-risk-and-prevention-35109686728645>

## Search details

Source	Search Strategy	Number of hits	Relevant evidence identified
<i>Guidelines</i>			
NICE	Falls Headwear, Helmet, Headgear		
<i>Systematic Reviews</i>			
MEDLINE	<p>28. Medline; ((head adj2 (protect* OR wear* OR gear* OR helmet* OR hat* OR piece* OR armour* OR defense*))).ti,ab; 1138 results.</p> <p>29. Medline; ((headwear* OR headgear* OR headpiece*)).ti,ab; 1636 results.</p> <p>30. Medline; ((helmet OR (hard adj2 hat*) OR (hard-hat*) OR (hardhat*))).ti,ab; 3222 results.</p> <p>31. Medline; helmet*.ti,ab; 4210 results.</p> <p>32. Medline; ((protect* adj2 (headwear* OR helmet* OR cloth*))).ti,ab; 2003 results.</p> <p>33. Medline; ((safety adj2 (headwear* OR helmet* OR cloth* OR headgear* OR hat*))).ti,ab; 272 results.</p> <p>34. Medline; ((protect* adj2 (hat* OR headgear*))).ti,ab; 227 results.</p> <p>35. Medline; ((protect* OR safety) adj2 equipment*).ti,ab; 3641 results.</p> <p>36. Medline; exp ACCIDENT PREVENTION/; 69157 results.</p> <p>37. Medline; exp MENTAL DISORDERS/; 1184546 results.</p> <p>38. Medline; exp DEPRESSION/; 89303 results.</p> <p>39. Medline; exp ANXIETY/ OR exp ANXIETY DISORDERS/; 128090 results.</p> <p>40. Medline; exp BIPOLAR DISORDER/; 34530 results.</p> <p>41. Medline; exp SCHIZOPHRENIA/ OR exp SCHIZOPHRENIA SPECTRUM AND OTHER PSYCHOTIC DISORDERS/; 130616 results.</p> <p>42. Medline; exp PSYCHOTIC DISORDERS/; 45399 results.</p> <p>43. Medline; exp BINGE-EATING DISORDER/ OR exp FEEDING AND EATING DISORDERS/; 25282 results.</p> <p>44. Medline; exp STRESS DISORDERS, POST-TRAUMATIC/; 24577 results.</p> <p>45. Medline; exp PERSONALITY DISORDERS/; 37203 results.</p> <p>46. Medline; (mental* adj2 (health OR ill OR illness* OR disorder*)).ti,ab; 139874 results.</p> <p>47. Medline; (bipolar OR depress* OR schizo* OR psychotic OR psychos* OR anxi* OR PTSD OR (eating adj3 disorder*)).ti,ab; 589711 results.</p> <p>48. Medline; (personality adj3 disorder*).ti,ab; 17300 results.</p> <p>49. Medline; exp DEMENTIA/; 133114 results.</p> <p>50. Medline; exp ALZHEIMER DISEASE/; 75134 results.</p> <p>51. Medline; 37 OR 38 OR 39 OR 40 OR 41 OR 42 OR 43 OR 44</p>		

	<p>OR 45 OR 46 OR 47 OR 48 OR 49 OR 50; 1607386 results.</p> <p>52. Medline; 28 OR 29 OR 30 OR 31 OR 32 OR 33 OR 34 OR 35 OR 36; 79818 results.</p> <p>53. Medline; 51 AND 52; 3894 results.</p> <p>54. Medline; "randomized controlled trial".ti,ab; 45668 results.</p> <p>55. Medline; "controlled clinical trial".ti,ab; 10588 results.</p> <p>56. Medline; randomized.ti,ab; 2 results.</p> <p>57. Medline; placebo.ti,ab; 175517 results.</p> <p>58. Medline; "drug therapy".ti,ab; 30523 results.</p> <p>59. Medline; randomly.ti,ab; 252798 results.</p> <p>60. Medline; trial.ti,ab; 420295 results.</p> <p>61. Medline; groups.ti,ab; 1588374 results.</p> <p>62. Medline; exp RANDOMIZED CONTROLLED TRIAL/; 0 results.</p> <p>63. Medline; exp CLINICAL TRIAL/ OR exp CONTROLLED CLINICAL TRIAL/; 0 results.</p> <p>64. Medline; 54 OR 55 OR 56 OR 57 OR 58 OR 59 OR 60 OR 61 OR 62 OR 63; 2116274 results.</p> <p>65. Medline; 53 AND 64; 20 results.</p> <p>66. Medline; 53 [Limit to: (Document type Meta-analysis or Scientific Integrity Review)]; 40 results.</p> <p>113. Medline; 53 AND 64; 570 results.</p>		
EMBASE	<p>67. EMBASE; ((head adj2 (protect* OR wear* OR gear* OR helmet* OR hat* OR piece* OR armour* OR defense*))).ti,ab; 874 results.</p> <p>68. EMBASE; ((headwear* OR headgear* OR headpiece*)).ti,ab; 1637 results.</p> <p>69. EMBASE; ((helmet OR (hard adj2 hat*) OR (hard-hat*) OR (hardhat*))).ti,ab; 3919 results.</p> <p>70. EMBASE; helmet*.ti,ab; 5069 results.</p> <p>71. EMBASE; ((protect* adj2 (headwear* OR helmet* OR cloth*))).ti,ab; 2138 results.</p> <p>72. EMBASE; ((safety adj2 (headwear* OR helmet* OR cloth* OR headgear* OR hat*))).ti,ab; 239 results.</p> <p>73. EMBASE; ((protect* adj2 (hat* OR headgear*))).ti,ab; 204 results.</p> <p>74. EMBASE; ((protect* OR safety) adj2 equipment*).ti,ab; 4243 results.</p> <p>75. EMBASE; exp ACCIDENT PREVENTION/; 16788 results.</p> <p>76. EMBASE; 67 OR 68 OR 69 OR 70 OR 71 OR 72 OR 73 OR 74 OR 75; 29048 results.</p> <p>77. EMBASE; (mental* adj2 (health OR ill OR illness* OR disorder*)).ti,ab; 174109 results.</p> <p>78. EMBASE; (bipolar OR depress* OR schizo* OR psychotic OR psychos* OR anxi* OR PTSD OR (eating adj3 disorder*)).ti,ab; 903223 results.</p> <p>79. EMBASE; (personality adj3 disorder*).ti,ab; 23055 results.</p> <p>80. EMBASE; exp MENTAL HEALTH/; 135996 results.</p> <p>81. EMBASE; exp "DEPRESSION (EMOTION)"/ OR exp MAJOR DEPRESSION/; 53191 results.</p>		

	<p>82. EMBASE; exp ANXIETY/ OR exp ANXIETY DISORDERS/; 327414 results.</p> <p>83. EMBASE; exp PSYCHOSIS/; 249298 results.</p> <p>84. EMBASE; exp SCHIZOPHRENIA/; 165232 results.</p> <p>85. EMBASE; exp BIPOLAR DISORDER/; 52032 results.</p> <p>86. EMBASE; exp POSTTRAUMATIC STRESS DISORDER/; 45237 results.</p> <p>87. EMBASE; exp EATING DISORDERS/; 42975 results.</p> <p>88. EMBASE; exp PERSONALITY DISORDERS/; 54109 results.</p> <p>89. EMBASE; exp DEMENTIA/; 291229 results.</p> <p>90. EMBASE; exp ALZHEIMER DISEASE/; 159821 results.</p> <p>91. EMBASE; 77 OR 78 OR 79 OR 80 OR 81 OR 82 OR 83 OR 84 OR 85 OR 86 OR 87 OR 88 OR 89 OR 90; 1509216 results.</p> <p>92. EMBASE; 76 AND 91; 914 results.</p> <p>93. EMBASE; random*.ti,ab; 1128264 results.</p> <p>94. EMBASE; factorial*.ti,ab; 28536 results.</p> <p>95. EMBASE; ((crossover* OR cross-over*).ti,ab; 84158 results.</p> <p>96. EMBASE; placebo*.ti,ab; 243782 results.</p> <p>97. EMBASE; ((doubl* ADJ blind*).ti,ab; 170728 results.</p> <p>98. EMBASE; ((singl* ADJ blind*).ti,ab; 18317 results.</p> <p>99. EMBASE; assign*.ti,ab; 296714 results.</p> <p>100. EMBASE; 92 [Limit to: (EBM-Evidence Based Medicine Evidence Based Medicine or Meta Analysis or Systematic Review)]; 45 results.</p> <p>101. EMBASE; random*.ti,ab; 1128264 results.</p> <p>102. EMBASE; factorial*.ti,ab; 28536 results.</p> <p>103. EMBASE; ((crossover* OR cross-over*).ti,ab; 84158 results.</p> <p>104. EMBASE; placebo*.ti,ab; 243782 results.</p> <p>105. EMBASE; ((doubl* ADJ blind*).ti,ab; 170728 results.</p> <p>106. EMBASE; ((singl* ADJ blind*).ti,ab; 18317 results.</p> <p>107. EMBASE; assign*.ti,ab; 296714 results.</p> <p>108. EMBASE; allocat*.ti,ab; 108158 results.</p> <p>109. EMBASE; volunteer*.ti,ab; 211223 results.</p> <p>110. EMBASE; exp "RANDOMIZED CONTROLLED TRIAL (TOPIC)"/ OR exp CONTROLLED CLINICAL TRIAL/; 708851 results.</p> <p>111. EMBASE; 101 OR 102 OR 103 OR 104 OR 105 OR 106 OR 107 OR 108 OR 109 OR 110; 1925440 results.</p> <p>112. EMBASE; 92 AND 111; 136 results.</p>		
PsycINFO/CINAHL	<p>1. PsycInfo; (mental* adj2 (health OR ill OR illness* OR disorder*).ti,ab; 199672 results.</p> <p>2. PsycInfo; (bipolar OR depress* OR schizo* OR psychotic OR psychos* OR anxi* OR PTSD OR (eating adj3 disorder*).ti,ab; 492160 results.</p> <p>3. PsycInfo; (personality adj3 disorder*).ti,ab; 28887 results.</p> <p>4. PsycInfo; exp MENTAL HEALTH/; 52190 results.</p> <p>5. PsycInfo; exp "DEPRESSION (EMOTION)"/ OR exp MAJOR DEPRESSION/; 130548 results.</p> <p>6. PsycInfo; exp ANXIETY/ OR exp ANXIETY DISORDERS/; 122824</p>		

	<p>results.</p> <p>7. PsycInfo; exp PSYCHOSIS/; 102074 results.</p> <p>8. PsycInfo; exp SCHIZOPHRENIA/; 80039 results.</p> <p>9. PsycInfo; exp BIPOLAR DISORDER/; 22944 results.</p> <p>10. PsycInfo; exp POSTTRAUMATIC STRESS DISORDER/; 26004 results.</p> <p>11. PsycInfo; exp EATING DISORDERS/; 26191 results.</p> <p>12. PsycInfo; exp PERSONALITY DISORDERS/; 30591 results.</p> <p>13. PsycInfo; exp DEMENTIA/; 62530 results.</p> <p>14. PsycInfo; exp ALZHEIMER'S DISEASE/; 38084 results.</p> <p>15. PsycInfo; 1 OR 2 OR 3 OR 4 OR 5 OR 6 OR 7 OR 8 OR 9 OR 10 OR 11 OR 12 OR 13 OR 14; 799480 results.</p> <p>16. PsycInfo; ((head adj2 (protect* OR wear* OR gear* OR helmet* OR hat* OR piece* OR armour* OR defense*))).ti,ab; 186 results.</p> <p>17. PsycInfo; ((headwear* OR headgear* OR headpiece*)).ti,ab; 51 results.</p> <p>18. PsycInfo; ((helmet OR (hard adj2 hat*) OR (hard-hat*) OR (hardhat*))).ti,ab; 613 results.</p> <p>19. PsycInfo; helmet*.ti,ab; 718 results.</p> <p>20. PsycInfo; ((protect* adj2 (headwear* OR helmet* OR cloth*))).ti,ab; 201 results.</p> <p>21. PsycInfo; ((safety adj2 (headwear* OR helmet* OR cloth* OR headgear* OR hat*))).ti,ab; 59 results.</p> <p>22. PsycInfo; ((protect* adj2 (hat* OR headgear*))).ti,ab; 44 results.</p> <p>23. PsycInfo; ((protect* OR safety) adj2 equipment*).ti,ab; 395 results.</p> <p>24. PsycInfo; exp ACCIDENT PREVENTION/; 1351 results.</p> <p>25. PsycInfo; exp SAFETY DEVICES/; 1229 results.</p> <p>26. PsycInfo; 16 OR 17 OR 18 OR 19 OR 20 OR 21 OR 22 OR 23 OR 24 OR 25; 3561 results.</p> <p>27. PsycInfo; 15 AND 26; 149 results.</p>		
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