

Interventioner för att förebygga och minska
tvångsåtgärder inom psykiatrisk vård och
institutionsvård av barn och unga
/ Interventions to Prevent and Reduce
Coercive Measures in Psychiatric Care and
Residential Care for Children and Adolescents
Report 400 (2025)

Appendix 2 Excluded references

Table of contents

1 Quantitative and qualitative	2
1.1 Studies excluded on grounds of relevance.....	2
1.1 Studies with high risk of bias.....	60
2 Prevalence.....	61
2.1 Studies excluded on grounds of relevance.....	61
2.2 Studies with high risk of bias.....	66
3 Health economics.....	66
3.1 Studies excluded on grounds of relevance or other reason.....	66

1 Quantitative and qualitative

1.1 Studies excluded on grounds of relevance

Study	Reason for exclusion
Abderhalden C, Needham I, Dassen T, Halfens R, Haug HJ, Fischer JE. Structured risk assessment and violence in acute psychiatric wards: randomised controlled trial. <i>Br J Psychiatry</i> . 2008;193(1):44-50. Available from: https://doi.org/10.1192/bjp.bp.107.045534 .	Wrong population
Akram F, Rosales M, Safdar A, Swarnakar AS, Lodeiro M, Aribisala B, et al. Association of Long-acting Injectable Antipsychotics with Inpatient Seclusion and Restraint Events at a Public Psychiatric Hospital. <i>J Psychiatr Intensive Care</i> . 2023;19(1):25-32. Available from: https://doi.org/10.20299/jpi.2023.003 .	Wrong population
Allikmets S, Marshall C, Murad O, Gupta K. Seclusion: A Patient Perspective. <i>Issues Ment Health Nurs</i> . 2020;41(8):723-35. Available from: https://doi.org/10.1080/01612840.2019.1710005 .	Wrong population
Amari N, Mahoney A. Working Relationally with Adolescents Who Have Experienced Complex Interpersonal Trauma: an Interpretative Phenomenological Analysis. <i>J Child Adolesc Trauma</i> . 2022;15(1):75-87. Available from: https://doi.org/10.1007/s40653-021-00349-x .	Wrong setting
Andersen C, Kolmos A, Andersen K, Sippel V, Stenager E. Applying sensory modulation to mental health inpatient care to reduce seclusion and restraint: a case control study. <i>Nord J Psychiatry</i> . 2017;71(7):525-8. Available from: https://doi.org/10.1080/08039488.2017.1346142 .	Wrong population
Andersson P. Victims, perpetrators, scapegoats and Russian dolls: Narrating violence within secure units for adolescents from a staff perspective. <i>Qual Soc Work</i> . 2021;22(1):47-66. Available from: https://doi.org/10.1177/14733250211050675 .	Wrong intervention
Andrassy BM. Feelings Thermometer: An Early Intervention Scale for Seclusion/Restraint Reduction Among Children and Adolescents in Residential Psychiatric Care. <i>J Child Adolesc Psychiatr Nurs</i> . 2016;29(3):145-7. Available from: https://doi.org/10.1111/jcap.12151 .	Wrong study design

Andreasson E, Skarsater I. Patients treated for psychosis and their perceptions of care in compulsory treatment: basis for an action plan. J Psychiatr Ment Health Nurs. 2012;19(1):15-22. Available from: https://doi.org/10.1111/j.1365-2850.2011.01748.x .	Wrong population
Aragones-Calleja M, Sanchez-Martinez V. Experience of coercion among nursing professionals in a medium-stay mental health unit: A qualitative study in Spain. J Psychiatr Ment Health Nurs. 2023;30(5):983-93. Available from: https://doi.org/10.1111/jpm.12921 .	Wrong population
Aremu B, Hill PD, McNeal JM, Petersen MA, Swanberg D, Delaney KR. Implementation of Trauma-Informed Care and Brief Solution-Focused Therapy: A Quality Improvement Project Aimed at Increasing Engagement on an Inpatient Psychiatric Unit. J Psychosoc Nurs Ment Health Serv. 2018;56(8):16-22. Available from: https://doi.org/10.3928/02793695-20180305-02 .	Wrong population
Armgarth C, Schaub M, Hoffmann K, Illes F, Emons B, Jendreyshak J, et al. [Negative emotions and understanding - patients' perspective on coercion]. Psychiatr Prax. 2013;40(5):278-84. Available from: https://doi.org/10.1055/s-0033-1343159 .	Wrong language
Asikainen J, Vehvilainen-Julkunen K, Repo-Tiihonen E, Louheranta O. Patients' Perceptions of Safety and Debriefing in Forensic Mental Health Care in Finland. J Forensic Nurs. 2023;19(3):187-96. Available from: https://doi.org/10.1097/JFN.0000000000000436 .	Wrong population
Augustine D, Barragan M, Chesnut K, Pifer NA, Reiter K, Strong JD. Window dressing: possibilities and limitations of incremental changes in solitary confinement. Health Justice. 2021;9(1):21. Available from: https://doi.org/10.1186/s40352-021-00145-7 .	Wrong population
Ayhan D, Mercan N, Dogan R, Yuksel C. The aggressive patient experiences of healthcare professionals exposed to physical violence in a psychiatric clinic: A phenomenological study. Perspect Psychiatr Care. 2022;58(2):501-8. Available from: https://doi.org/10.1111/ppc.12918 .	Wrong outcomes
Azeem M, Aujla A, Rammerth M, Binsfeld G, Jones RB. Effectiveness of six core strategies based on trauma informed care in reducing seclusions and restraints at a child and adolescent psychiatric hospital. J Child	Wrong study design

Adolesc Psychiatr Nurs. 2017;30(4):170-4. Available from: https://doi.org/10.1111/jcap.12190 .	
Azeem MW, Aujla A, Rammerth M, Binsfeld G, Jones RB. Effectiveness of six core strategies based on trauma informed care in reducing seclusions and restraints at a child and adolescent psychiatric hospital. J Child Adolesc Psychiatr Nurs. 2011;24(1):11-5. Available from: https://doi.org/10.1111/j.1744-6171.2010.00262.x .	Wrong study design
Azeem MW, Reddy B, Wudarsky M, Carabetta L, Gregory F, Sarofin M. Restraint Reduction at a Pediatric Psychiatric Hospital: A Ten-Year Journey. J Child Adolesc Psychiatr Nurs. 2015;28(4):180-4. Available from: https://doi.org/10.1111/jcap.12127 .	Wrong study design
Bachmann L, Vatne S, Mundal IP. Safeguarding patients while implementing mechanical restraints: A qualitative study of nurses and ward staff's perceptions and assessment. J Clin Nurs. 2023;32(3-4):438-51. Available from: https://doi.org/10.1111/jocn.16249 .	Wrong population
Baetz CL, Surko M, Guo F, Marr M, Workman S, Havens J, et al. An Evaluation of a Trauma-Informed Intervention in Secure Juvenile Detention: The Impact on Youth-Level Incidents of Violence. Crim Justice Behav. 2024;52(5):716-33. Available from: https://doi.org/10.1177/00938548241297281 .	Wrong outcomes
Baetz CL, Surko M, Moaveni M, McNair F, Bart A, Workman S, et al. Impact of a Trauma-Informed Intervention for Youth and Staff on Rates of Violence in Juvenile Detention Settings. J Interpers Violence. 2021;36(17-18):NP9463-NP82. Available from: https://doi.org/10.1177/0886260519857163 .	Wrong outcomes
Bak J, Zoffmann V, Sestoft DM, Almvik R, Siersma VD, Brandt-Christensen M. Comparing the effect of non-medical mechanical restraint preventive factors between psychiatric units in Denmark and Norway. Nord J Psychiatry. 2015;69(6):433-43. Available from: https://doi.org/10.3109/08039488.2014.996600 .	Wrong population
Barbic SP, Chan N, Rangi A, Bradley J, Pattison R, Brockmeyer K, et al. Health provider and service-user experiences of sensory modulation rooms in an acute inpatient psychiatry setting. PLoS One.	Wrong population

2019;14(11):e0225238. Available from: https://doi.org/10.1371/journal.pone.0225238 .	
Barnicot K, Insua-Summerhayes B, Plummer E, Hart A, Barker C, Priebe S. Staff and patient experiences of decision-making about continuous observation in psychiatric hospitals. <i>Soc Psychiatry Psychiatr Epidemiol</i> . 2017;52(4):473-83. Available from: https://doi.org/10.1007/s00127-017-1338-4 .	Wrong population
Barr L, Wynaden D, Heslop K. Nurses' attitudes towards the use of PRN psychotropic medications in acute and forensic mental health settings. <i>Int J Ment Health Nurs</i> . 2018;27(1):168-77. Available from: https://doi.org/10.1111/inm.12306 .	Wrong population
Barr L, Wynaden D, Heslop K. Promoting positive and safe care in forensic mental health inpatient settings: Evaluating critical factors that assist nurses to reduce the use of restrictive practices. <i>Int J Ment Health Nurs</i> . 2019;28(4):888-98. Available from: https://doi.org/10.1111/inm.12588 .	Wrong population
Barron I, Mitchell D. Unit manager perspectives of a trauma-specific programme across Scotland's secure estate. <i>J Child Serv</i> . 2017;12(4):271-87. Available from: https://doi.org/10.1108/jcs-04-2017-0012 .	Wrong outcomes
Barron I, Mitchell D, Yule W. Pilot Study of a Group-Based Psychosocial Trauma Recovery Program in Secure Accommodation in Scotland. <i>J Fam Violence</i> . 2017;32(6):595-606. Available from: https://doi.org/10.1007/s10896-017-9921-8 .	Wrong population
Bauer JO, Stenborg D, Lodahl T, Monsted MM. Treatment of agitation in the acute psychiatric setting. An observational study of the effectiveness of intramuscular psychotropic medication. <i>Nord J Psychiatry</i> . 2016;70(8):599-605. Available from: https://doi.org/10.1080/08039488.2016.1188982 .	Wrong population
Beaglehole B, Beveridge J, Campbell-Trotter W, Frampton C. Unlocking an acute psychiatric ward: the impact on unauthorised absences, assaults and seclusions. <i>BJPsych Bull</i> . 2017;41(2):92-6. Available from: https://doi.org/10.1192/pb.bp.115.052944 .	Wrong population
Becher S, Holzhuter F, Heres S, Hamann J. Barriers and facilitators of shared decision making in acutely ill inpatients with schizophrenia-Qualitative findings from	Wrong population

the intervention group of a randomised-controlled trial. Health Expect. 2021;24(5):1737-46. Available from: https://doi.org/10.1111/hex.13313 .	
Berg J, Lipponen E, Sailas E, Soininen P, Varpula J, Valimäki M, et al. Nurses' perceptions of nurse-patient communication in seclusion rooms in psychiatric inpatient care: A focus group study. J Psychiatr Ment Health Nurs. 2023;30(4):781-94. Available from: https://doi.org/10.1111/jpm.12907 .	Wrong population
Berg K, Petersson F, Skårner A. Keeping concerned significant others at a distance in compulsory treatment for people with substance use in Sweden. Drugs (Abingdon Engl). 2021;29(2):121-9. Available from: https://doi.org/10.1080/09687637.2021.1889466 .	Wrong population
Bergk J, Einsiedler B, Flammer E, Steinert T. A randomized controlled comparison of seclusion and mechanical restraint in inpatient settings. Psychiatr Serv. 2011;62(11):1310-7. Available from: https://doi.org/10.1176/ps.62.11.pss6211_1310 .	Wrong population
Berring LL, Pedersen L, Buus N. Coping with Violence in Mental Health Care Settings: Patient and Staff Member Perspectives on De-escalation Practices. Arch Psychiatr Nurs. 2016;30(5):499-507. Available from: https://doi.org/10.1016/j.apnu.2016.05.005 .	Wrong population
Beyene LS, Hem MH, Strand EB. Medication-free mental health treatment: a focus group study of milieu therapeutic settings. BMC Psychiatry. 2023;23(1):707. Available from: https://doi.org/10.1186/s12888-023-05193-x .	Wrong population
Bhat S, Rentala S, Nanjegowda RB, Chellappan XB. Effectiveness of Milieu Therapy in reducing conflicts and containment rates among schizophrenia patients. Invest Educ Enferm. 2020;38(1). Available from: https://doi.org/10.17533/udea.iee.v38n1e06 .	Wrong population
Billinger K. A focus group investigation of care-provider perspectives in Swedish institutions for the coercive care of substance abusers. Int J Soc Welf. 2005;14(1):55-64. Available from: https://doi.org/10.1111/j.1468-2397.2005.00339.x .	Wrong setting
Binil V, Sudhaker C, Hegde S, Jose TT. Effect of an Aggression Management and Violence Prevention (AMVP) Training Programme among Nurses Working in	Wrong setting

Psychiatric and Emergency Settings. Medico-Legal Update. 2019;19(2):295-301. Available from: https://doi.org/10.5958/0974-1283.2019.00191.9 .	
Biondo J. De-escalation with Dance/Movement Therapy: A Program Evaluation. Am J Dance Ther. 2017;39(2):209-25. Available from: https://doi.org/10.1007/s10465-017-9261-5 .	Wrong setting
Bjerg Christensen J, Lassen IS, Helles Carlsen A, Strazek S, Nyboe L. Physical therapy for reducing arousal and mechanical restraint among in-patients with mania. Nord J Psychiatry. 2021;75(1):49-53. Available from: https://doi.org/10.1080/08039488.2020.1792981 .	Wrong population
Bjonness S, Viksveen P, Johannessen JO, Storm M. User participation and shared decision-making in adolescent mental healthcare: a qualitative study of healthcare professionals' perspectives. Child Adolesc Psychiatry Ment Health. 2020;14:2. Available from: https://doi.org/10.1186/s13034-020-0310-3 .	Wrong outcomes
Bjorkdahl A, Hansebo G, Palmstierna T. The influence of staff training on the violence prevention and management climate in psychiatric inpatient units. J Psychiatr Ment Health Nurs. 2013;20(5):396-404. Available from: https://doi.org/10.1111/j.1365-2850.2012.01930.x .	Wrong population
Bjorkdahl A, Heilig M, Palmstierna T, Hansebo G. Changes in the occurrences of coercive interventions and staff injuries on a psychiatric intensive care unit. Arch Psychiatr Nurs. 2007;21(5):270-7. Available from: https://doi.org/10.1016/j.apnu.2007.06.007 .	Wrong population
Bjorkdahl A, Perseus KI, Samuelsson M, Lindberg MH. Sensory rooms in psychiatric inpatient care: Staff experiences. Int J Ment Health Nurs. 2016;25(5):472-9. Available from: https://doi.org/10.1111/inm.12205 .	Wrong population
Black KR, Collin-Vezina D, Brend D, Romano E. Trauma-informed attitudes in residential treatment settings: Staff, child and youth factors predicting adoption, maintenance and change over time. Child Abuse Negl. 2022;130(Pt 3):105361. Available from: https://doi.org/10.1016/j.chiabu.2021.105361 .	Wrong outcomes
Blair EW, Woolley S, Szarek BL, Mucha TF, Dutka O, Schwartz HI, et al. Reduction of Seclusion and Restraint in an Inpatient Psychiatric Setting: A Pilot Study.	Wrong population

Psychiatr Q. 2017;88(1):1-7. Available from: https://doi.org/10.1007/s11126-016-9428-0 .	
Bobier C, Boon T, Downward M, Loomes B, Mountford H, Swadi H. Pilot Investigation of the Use and Usefulness of a Sensory Modulation Room in a Child and Adolescent Psychiatric Inpatient Unit. Occup Ther Ment Health. 2015;31(4):385-401. Available from: https://doi.org/10.1080/0164212x.2015.1076367 .	Wrong study design
Bonner G, Wellman N. Postincident review of aggression and violence in mental health settings. J Psychosoc Nurs Ment Health Serv. 2010;48(7):35-40. Available from: https://doi.org/10.3928/02793695-20100504-05 .	Wrong population
Bos M, Kool-Goudzwaard N, Gamel CJ, Koekkoek B, van Meijel B. The treatment of 'difficult' patients in a secure unit of a specialized psychiatric hospital: the patient's perspective. J Psychiatr Ment Health Nurs. 2012;19(6):528-35. Available from: https://doi.org/10.1111/j.1365-2850.2011.01827.x .	Wrong outcomes
Boulton KA, Raghupathy V, Guastella AJ, Bowden MR. Reducing seclusion use in an Australian child and adolescent psychiatric inpatient unit. J Affect Disord. 2022;305:1-7. Available from: https://doi.org/10.1016/j.jad.2022.02.066 .	Wrong study design
Boumans CE, Egger JI, Bouts RA, Hutschemaekers GJ. Seclusion and the importance of contextual factors: An innovation project revisited. Int J Law Psychiatry. 2015;41:1-11. Available from: https://doi.org/10.1016/j.ijlp.2015.03.001 .	Wrong population
Boumans CE, Egger JI, Souren PM, Mann-Poll PS, Hutschemaekers GJ. Nurses' decision on seclusion: patient characteristics, contextual factors and reflexivity in teams. J Psychiatr Ment Health Nurs. 2012;19(3):264-70. Available from: https://doi.org/10.1111/j.1365-2850.2011.01777.x .	Wrong population
Boumans CE, Walvoort SJ, Egger JI, Hutschemaekers GJ. The methodical work approach and the reduction in the use of seclusion: how did it work? Psychiatr Q. 2015;86(1):1-17. Available from: https://doi.org/10.1007/s11126-014-9321-7 .	Wrong population
Bowers L, Crowder M. Nursing staff numbers and their relationship to conflict and containment rates on psychiatric wards-a cross sectional time series poisson	Wrong population

regression study. <i>Int J Nurs Stud.</i> 2012;49(1):15-20. Available from: https://doi.org/10.1016/j.ijnurstu.2011.07.005 .	
Bowers L, James K, Quirk A, Simpson A, Sugar, Stewart D, et al. Reducing conflict and containment rates on acute psychiatric wards: The Safewards cluster randomised controlled trial. <i>Int J Nurs Stud.</i> 2015;52(9):1412-22. Available from: https://doi.org/10.1016/j.ijnurstu.2015.05.001 .	Wrong population
Bowers L, Ross J, Nijman H, Muir-Cochrane E, Noorthoorn E, Stewart D. The scope for replacing seclusion with time out in acute inpatient psychiatry in England. <i>J Adv Nurs.</i> 2012;68(4):826-35. Available from: https://doi.org/10.1111/j.1365-2648.2011.05784.x .	Wrong population
Bowers L, Van Der Merwe M, Nijman H, Hamilton B, Noorthorn E, Stewart D, et al. The practice of seclusion and time-out on English acute psychiatric wards: the City-128 Study. <i>Arch Psychiatr Nurs.</i> 2010;24(4):275-86. Available from: https://doi.org/10.1016/j.apnu.2009.09.003 .	Wrong population
Braham LG, Heasley JF, Akiens S. An evaluation of night confinement in a high secure hospital. <i>Ment Health Rev (Brighton).</i> 2013;18(1):21-31. Available from: https://doi.org/10.1108/13619321311306947 .	Wrong population
Brekke E, Clausen H, Brodahl M, Landheim AS. Patients' experiences with coercive mental health treatment in Flexible Assertive Community Treatment: a qualitative study. <i>BMC Psychiatry.</i> 2023;23(1):764. Available from: https://doi.org/10.1186/s12888-023-05264-z .	Wrong setting
Brophy LM, Roper CE, Hamilton BE, Tellez JJ, McSherry BM. Consumers and Carer perspectives on poor practice and the use of seclusion and restraint in mental health settings: results from Australian focus groups. <i>Int J Ment Health Syst.</i> 2016;10:6. Available from: https://doi.org/10.1186/s13033-016-0038-x .	Wrong population
Brophy LM, Roper CE, Hamilton BE, Tellez JJ, McSherry BM. Consumers' and their supporters' perspectives on barriers and strategies to reducing seclusion and restraint in mental health settings. <i>Aust Health Rev.</i> 2016;40(6):599-604. Available from: https://doi.org/10.1071/AH15128 .	Wrong population

Brown AD, McCauley K, Navalta CP, Saxe GN. Trauma Systems Therapy in Residential Settings: Improving Emotion Regulation and the Social Environment of Traumatized Children and Youth in Congregate Care. <i>J Fam Violence</i> . 2013;28(7):693-703. Available from: https://doi.org/10.1007/s10896-013-9542-9 .	Wrong study design
Brown RA, Abrantes AM, Minami H, Prince MA, Bloom EL, Apodaca TR, et al. Motivational Interviewing to Reduce Substance Use in Adolescents with Psychiatric Comorbidity. <i>J Subst Abuse Treat</i> . 2015;59:20-9. Available from: https://doi.org/10.1016/j.jsat.2015.06.016 .	Wrong outcomes
Brown T, Winter K, Carr N. Residential child care workers: Relationship based practice in a culture of fear. <i>Child Fam Soc Work</i> . 2018;23(4):657-65. Available from: https://doi.org/10.1111/cfs.12461 .	Wrong outcomes
Caldwell B, Albert C, Azeem MW, Beck S, Cocoros D, Cocoros T, et al. Successful seclusion and restraint prevention effort in child and adolescent programs. <i>J Psychosoc Nurs Ment Health Serv</i> . 2014;52(11):30-8. Available from: https://doi.org/10.3928/02793695-20140922-01 .	Wrong study design
Caldwell MF, Van Rybroek GJ. Reducing violence in serious juvenile offenders using intensive treatment. <i>Int J Law Psychiatry</i> . 2005;28(6):622-36. Available from: https://doi.org/10.1016/j.ijlp.2004.07.001 .	Wrong outcomes
Carlson GA, Potegal M, Margulies D, Basile J, Gutkovich Z. Liquid risperidone in the treatment of rages in psychiatrically hospitalized children with possible bipolar disorder. <i>Bipolar Disord</i> . 2010;12(2):205-12. Available from: https://doi.org/10.1111/j.1399-5618.2010.00793.x .	Wrong outcomes
Celofiga A, Kores Plesnicar B, Koprivsek J, Moskon M, Benkovic D, Gregoric Kumperscak H. Effectiveness of De-Escalation in Reducing Aggression and Coercion in Acute Psychiatric Units. A Cluster Randomized Study. <i>Front Psychiatry</i> . 2022;13:856153. Available from: https://doi.org/10.3389/fpsy.2022.856153 .	Wrong population
Challinor A, Briggs P, Brennan F, Daniels C, Hurst G, Thorpe M, et al. An assessment of interventions following moderate and high scores on the dynamic appraisal of situational aggression risk assessment tool in a forensic mental health unit. <i>J Forens Psychiatry</i>	Wrong population

Psychol. 2023;35(1):16-32. Available from: https://doi.org/10.1080/14789949.2023.2280565 .	
Chamberlain P, Leve LD, Degarmo DS. Multidimensional treatment foster care for girls in the juvenile justice system: 2-year follow-up of a randomized clinical trial. J Consult Clin Psychol. 2007;75(1):187-93. Available from: https://doi.org/10.1037/0022-006X.75.1.187 .	Wrong outcomes
Ching H, Daffern M, Martin T, Thomas S. Reducing the use of seclusion in a forensic psychiatric hospital: assessing the impact on aggression, therapeutic climate and staff confidence. J Forens Psychiatry Psychol. 2010;21(5):737-60. Available from: https://doi.org/10.1080/14789941003681361 .	Wrong population
Choi K, Ayala L, Lierly R, Bustamante D, Cioppa-Fong B, Mead M, et al. Implementing the NCTSN Trauma-Informed Organizational Assessment (TIOA) for Improving Trauma-Informed Care in Inpatient Child Psychiatry. J Am Psychiatr Nurses Assoc. 2024;30(3):722-32. Available from: https://doi.org/10.1177/10783903231171590 .	Wrong outcomes
Christensen SS, Lassche M, Banks D, Smith G, Inzunza TM. Reducing Patient Aggression Through a Nonviolent Patient De-escalation Program: A Descriptive Quality Improvement Process. Worldviews Evid Based Nurs. 2022;19(4):297-305. Available from: https://doi.org/10.1111/wvn.12540 .	Wrong population
Chua JD, Pan K, Hasan TN, Chauhan C, Kim J, Pang P, et al. 1.54 Impact of Milieu on Restraint Frequency on a Children's Inpatient Unit. J Am Acad Child Adolesc Psychiatry. 2017;56(10):S170-S1. Available from: https://doi.org/10.1016/j.jaac.2017.09.068 .	Wrong publication type
Chung J, Shao M, Ryan R, Eisenstein M, Yan D, Domaleski V, et al. The use of physical restraints and PRN medications in adolescent psychiatric inpatient units. J Child Adolesc Psychiatr Nurs. 2023;36(3):199-210. Available from: https://doi.org/10.1111/jcap.12413 .	Wrong intervention
Cilia Vincenti S, Grech P, Scerri J. Psychiatric hospital nurses' attitudes towards trauma-informed care. J Psychiatr Ment Health Nurs. 2022;29(1):75-85. Available from: https://doi.org/10.1111/jpm.12747 .	Wrong population

Clair-Michaud M, Martin RA, Stein LA, Bassett S, Lebeau R, Golembeske C. The Impact of Motivational Interviewing on Delinquent Behaviors in Incarcerated Adolescents. <i>J Subst Abuse Treat</i>. 2016;65:13-9. Available from: https://doi.org/10.1016/j.jsat.2015.09.003.	Wrong outcomes
Clark LL, Lekkai F, Murphy A, Perrino L, Bapir-Tardy S, Barley EA. The use of positive behaviour support plans in mental health inpatient care: A mixed methods study. <i>J Psychiatr Ment Health Nurs</i>. 2020;27(2):140-50. Available from: https://doi.org/10.1111/jpm.12566.	Wrong population
Cloud DH, Augustine D, Ahalt C, Haney C, Peterson L, Braun C, et al. "We just needed to open the door": a case study of the quest to end solitary confinement in North Dakota. <i>Health Justice</i>. 2021;9(1):28. Available from: https://doi.org/10.1186/s40352-021-00155-5.	Wrong setting
Collins E, Lawson DM, Sheeran DA. Enhanced Observation: How Therapeutic Are They Within A Medium Secure Forensic Mental Health Setting? <i>J Forens Psychiatry Psychol</i>. 2021;33(1):68-88. Available from: https://doi.org/10.1080/14789949.2021.1983006.	Wrong population
Cookson A, Daffern M, Foley F. Relationship between aggression, interpersonal style, and therapeutic alliance during short-term psychiatric hospitalization. <i>Int J Ment Health Nurs</i>. 2012;21(1):20-9. Available from: https://doi.org/10.1111/j.1447-0349.2011.00764.x.	Wrong population
Cowles CA, Washburn JJ. Psychological Consultation on Program Design of Intensive Management Units in Juvenile Correctional Facilities. <i>Prof Psychol Res Pr</i>. 2005;36(1):44-50. Available from: https://doi.org/10.1037/0735-7028.36.1.44.	Wrong study design
Crawford K, Campbell AD, Shackelford K, McManus C. The Impact of Trauma-Informed Training for a Youth Residential Center on Staff Attitudes and Behavior. <i>J Evid Based Soc Work</i> (2019). 2024;21(6):669-87. Available from: https://doi.org/10.1080/26408066.2024.2397668.	Wrong outcomes
Creed TA, Waltman SH, Williston MA. Establishing a Collaborative Care CBT Milieu in Adolescent Inpatient Units. <i>Cognit Ther Res</i>. 2020;45(3):428-38. Available from: https://doi.org/10.1007/s10608-020-10134-z.	Wrong study design

Crosland KA, Cigales M, Dunlap G, Neff B, Clark HB, Giddings T, et al. Using Staff Training to Decrease the Use of Restrictive Procedures at Two Facilities for Foster Care Children. <i>Research on Social Work Practice</i> . 2008;18(5):401-9. Available from: https://doi.org/10.1177/1049731507314006 .	Wrong study design
Cummings KS, Grandfield SA, Coldwell CM. Caring with comfort rooms. Reducing seclusion and restraint use in psychiatric facilities. <i>J Psychosoc Nurs Ment Health Serv</i> . 2010;48(6):26-30. Available from: https://doi.org/10.3928/02793695-20100303-02 .	Wrong study design
Currie MR, Wood CE, Williams B, Bates GW. Aggression Replacement Training (ART) in Australia: A Longitudinal Youth Justice Evaluation. <i>Psychiatr Psychol Law</i> . 2012;19(4):577-604. Available from: https://doi.org/10.1080/13218719.2011.615807 .	Wrong study design
Dack C, Ross J, Bowers L. The relationship between attitudes towards different containment measures and their usage in a national sample of psychiatric inpatients. <i>J Psychiatr Ment Health Nurs</i> . 2012;19(7):577-86. Available from: https://doi.org/10.1111/j.1365-2850.2011.01832.x .	Wrong population
Dalton EM, Herndon AC, Cundiff A, Fuchs DC, Hart S, Hughie A, et al. Decreasing the Use of Restraints on Children Admitted for Behavioral Health Conditions. <i>Pediatrics</i> . 2021;148(1). Available from: https://doi.org/10.1542/peds.2020-003939 .	Wrong study design
Das S, Goyal N, Sayeed N. Efficacy of adjunctive dialectical behavior therapy skills in childhood and adolescent dissociative disorders: An open-label pilot study. <i>Journal of Indian Association for Child and Adolescent Mental Health</i> . 2020;16(2):45-61.	Wrong outcomes
Davi M. [Formative needs of the professional staff in psychiatric division. The project open doors]. <i>Riv Psichiatr</i> . 2009;44(5):320-7.	Wrong language
Davies BE, Lowe K, Morgan S, John-Evans H, Fitoussi J. An evaluation of the effectiveness of positive behavioural support within a medium secure mental health forensic service. <i>J Forens Psychiatry Psychol</i> . 2018;30(1):38-52. Available from: https://doi.org/10.1080/14789949.2018.1459785 .	Wrong population

Day A-M. The experiences of children in custody: a story of survival. Safer Communities. 2021;20(3):159-71. Available from: https://doi.org/10.1108/sc-11-2020-0040 .	Wrong intervention
de Decker A, Lemmens L, van der Helm P, Bruckers L, Molenberghs G, Tremmery S. The Relation Between Aggression and the Living Group Climate in a Forensic Treatment Unit for Adolescents: A Pilot Study. Int J Offender Ther Comp Criminol. 2018;62(7):1821-37. Available from: https://doi.org/10.1177/0306624X17712347 .	Wrong outcomes
de Oliveira RM, Santos JLF, Furegato ARF. Stages of the Smoke-Free Policy Implementation in a Psychiatric Hospital: Evolution, Effects, and Complications. Issues Ment Health Nurs. 2022;43(12):1136-44. Available from: https://doi.org/10.1080/01612840.2022.2132328 .	Wrong population
de Valk S, Kuiper C, van der Helm GHP, Maas AJJA, Stams GJJM. Repression in Residential Youth Care: A Qualitative Study Examining the Experiences of Adolescents in Open, Secure and Forensic Institutions. J Adolesc Res. 2017;34(6):757-82. Available from: https://doi.org/10.1177/0743558417719188 .	Wrong intervention
de Vries MG, Brazil IA, Tonkin M, Bulten BH. Ward Climate Within a High Secure Forensic Psychiatric Hospital: Perceptions of Patients and Nursing Staff and the Role of Patient Characteristics. Arch Psychiatr Nurs. 2016;30(3):342-9. Available from: https://doi.org/10.1016/j.apnu.2015.12.007 .	Wrong population
Dean AJ, Duke SG, George M, Scott J. Behavioral management leads to reduction in aggression in a child and adolescent psychiatric inpatient unit. J Am Acad Child Adolesc Psychiatry. 2007;46(6):711-20. Available from: https://doi.org/10.1097/chi.0b013e3180465a1a .	Wrong study design
Dean S, Britt E, Bell E, Stanley J, Collings S. Motivational interviewing to enhance adolescent mental health treatment engagement: a randomized clinical trial. Psychol Med. 2016;46(9):1961-9. Available from: https://doi.org/10.1017/S0033291716000568 .	Wrong outcomes
Denison M, Gerney A, Barbuti Van Leuken J, Conklin J. The Attitudes and Knowledge of Residential Treatment Center Staff Members Working with Adolescents Who Have Experienced Trauma. Resid Treat Child Youth.	Wrong study design

2018;35(2):114-38. Available from: https://doi.org/10.1080/0886571x.2018.1458689 .	
Derbyshire JM, Tarrant E, Fitter R, Gibson RA. Evaluating treatment outcomes for young people participating in a high-intensity therapeutic violence intervention in the English Youth Custody Service. <i>Legal Criminol Psychol</i> . 2018;24(1):162-78. Available from: https://doi.org/10.1111/lcrp.12142 .	Wrong outcomes
Deshais MA, Fisher AB, Hausman NL, Kahng S. Further investigation of a rapid restraint analysis. <i>J Appl Behav Anal</i> . 2015;48(4):845-59. Available from: https://doi.org/10.1002/jaba.251 .	Wrong study design
Devacht I, Bosmans G, Dewulf S, Levy S, Diamond GS. Attachment-Based Family Therapy in a Psychiatric Inpatient Unit for Young Adults. <i>Aust N Z J Fam Ther</i> . 2019;40(3):330-43. Available from: https://doi.org/10.1002/anf.1383 .	Wrong study design
Deveau R, McDonnell A. As the last resort: reducing the use of restrictive physical interventions using organisational approaches. <i>Br J Learn Disabil</i> . 2009;37(3):172-7. Available from: https://doi.org/10.1111/j.1468-3156.2008.00536.x .	Wrong study design
Dixon M, Long EM. An Educational Intervention to Decrease the Number of Emergency Incidents of Restraint and Seclusion on a Behavioral Health Unit. <i>J Contin Educ Nurs</i> . 2022;53(2):70-6. Available from: https://doi.org/10.3928/00220124-20220104-07 .	Wrong population
Doedens P, Ter Riet G, Vermeulen J, Boyette LL, Latour C, de Haan L. Influence of nursing staff characteristics on seclusion in acute mental health care-A prospective two-year follow-up study. <i>Arch Psychiatr Nurs</i> . 2021;35(5):491-8. Available from: https://doi.org/10.1016/j.apnu.2021.07.003 .	Wrong population
Dominic Beer M, Aditya Khan A, Ratnajoathy K. The effect of clozapine on adverse incidents in a low-secure challenging behaviour unit. <i>J Psychiatr Intensive Care</i> . 2007;2(02):65-70. Available from: https://doi.org/10.1017/s1742646407000313 .	Wrong population
Donnelly LJ, Cervantes PE, Okparaek E, Stein CR, Filton B, Kuriakose S, et al. Staff Perceptions and Implementation Fidelity of an Autism Spectrum Disorder Care Pathway on a Child/Adolescent General	Wrong study design

Psychiatric Inpatient Service. J Autism Dev Disord. 2021;51(1):158-68. Available from: https://doi.org/10.1007/s10803-020-04509-0 .	
dosReis S, Davarya S. Staff Perspectives of Precipitants to Aggressive Behavior of Adolescents in Residential Treatment Facilities. Resid Treat Child Youth. 2008;25(2):85-101. Available from: https://doi.org/10.1080/08865710802309964 .	Wrong intervention
dosReis S, McCulloch JR, Colantuoni E, Barnett SR, Pruitt D, Zachik A, et al. Early Identification of Seclusion and Restraint Patterns During Adolescents' Course of Residential Treatment. Resid Treat Child Youth. 2010;27(3):160-74. Available from: https://doi.org/10.1080/0886571x.2010.500145 .	Wrong study design
Douglas N, Plugge E. The health needs of imprisoned female juvenile offenders: the views of the young women prisoners and youth justice professionals. Int J Prison Health. 2008;4(2):66-76. Available from: https://doi.org/10.1080/17449200802038256 .	Wrong outcomes
Dowdy R, Estes J, Linkugel M, Dvornak M. Trauma, Sensory Processing, and the Impact of Occupational Therapy on Youth Behavior in Juvenile Corrections. Occup Ther Ment Health. 2020;36(4):373-93. Available from: https://doi.org/10.1080/0164212x.2020.1823930 .	Wrong outcomes
Duke SG, Scott J, Dean AJ. Use of restrictive interventions in a child and adolescent inpatient unit - predictors of use and effect on patient outcomes. Australas Psychiatry. 2014;22(4):360-5.	Wrong study design
Duxbury J, Baker J, Downe S, Jones F, Greenwood P, Thygesen H, et al. Minimising the use of physical restraint in acute mental health services: The outcome of a restraint reduction programme ('REsTRAIN YOURSELF'). Int J Nurs Stud. 2019;95:40-8. Available from: https://doi.org/10.1016/j.ijnurstu.2019.03.016 .	Wrong population
Eblin A. Reducing seclusion and restraints on the inpatient child and adolescent behavioral health unit: A quality improvement study. J Child Adolesc Psychiatr Nurs. 2019;32(3):122-8. Available from: https://doi.org/10.1111/jcap.12248 .	Wrong study design
Edelsohn GA, Herschell AD, Walker ML, Schake PL. Using a Learning Collaborative Model to Improve Youth Psychiatric Residential Treatment. Resid Treat Child	Wrong outcomes

Youth. 2024;42(1):99-123. Available from: https://doi.org/10.1080/0886571x.2024.2319750 .	
Edin Renberg F, Sandlund M. Microdecisions instead of coercion: patient participation and self-perceived discrimination in a psychiatric ward. Nord J Psychiatry. 2019;73(8):532-8. Available from: https://doi.org/10.1080/08039488.2019.1664629 .	Wrong population
Eenshuistra A, Bhola PM, Hoek-Dekker AJ, Knorth EJ, Harder AT. To Change or Not to Change? A Study regarding the Satisfaction of Care Workers and Adolescents with the Motivational Interviewing Based Residential Youth Care Training Program Up2U. Child Youth Serv. 2023;44(3):300-27. Available from: https://doi.org/10.1080/0145935X.2022.2113870 .	Wrong outcomes
Enell S, Wilińska M. Negotiating, Opposing, and Transposing Dangerousness: A Relational Perspective on Young People's Experiences of Secure Care. Young. 2020;29(1):28-44. Available from: https://doi.org/10.1177/1103308820914825 .	Wrong outcomes
Engstrom I, Engstrom K, Sellin T. Adolescents' Experiences of the Staff's Different Interaction Styles in Coercive Youth Care in Sweden: A Qualitative Study. Issues Ment Health Nurs. 2020;41(11):1027-37. Available from: https://doi.org/10.1080/01612840.2020.1757794 .	Wrong outcomes
Faschingbauer KM, Peden-McAlpine C, Tempel W. Use of seclusion: finding the voice of the patient to influence practice. J Psychosoc Nurs Ment Health Serv. 2013;51(7):32-8. Available from: https://doi.org/10.3928/02793695-20130503-01 .	Wrong population
Felver JC, Jones R, Killam MA, Kryger C, Race K, McIntyre LL. Contemplative Intervention Reduces Physical Interventions for Children in Residential Psychiatric Treatment. Prev Sci. 2017;18(2):164-73. Available from: https://doi.org/10.1007/s11121-016-0720-x .	Wrong study design
Fish R, Culshaw E. The last resort? Staff and client perspectives on physical intervention. J Intellect Disabil. 2005;9(2):93-107. Available from: https://doi.org/10.1177/1744629505049726 .	Wrong population
Fletcher J, Buchanan-Hagen S, Brophy L, Kinner SA, Hamilton B. Consumer Perspectives of Safewards Impact in Acute Inpatient Mental Health Wards in	Wrong population

Victoria, Australia. Front Psychiatry. 2019;10:461. Available from: https://doi.org/10.3389/fpsyt.2019.00461 .	
Fletcher J, Hamilton B, Kinner S, Sutherland G, King K, Tellez JJ, et al. Working towards least restrictive environments in acute mental health wards in the context of locked door policy and practice. Int J Ment Health Nurs. 2019;28(2):538-50. Available from: https://doi.org/10.1111/inm.12559 .	Wrong population
Fletcher J, Hamilton B, Kinner SA, Brophy L. Safewards Impact in Inpatient Mental Health Units in Victoria, Australia: Staff Perspectives. Front Psychiatry. 2019;10:462. Available from: https://doi.org/10.3389/fpsyt.2019.00462 .	Wrong population
Fletcher J, Spittal M, Brophy L, Tibble H, Kinner S, Elsom S, et al. Outcomes of the Victorian Safewards trial in 13 wards: Impact on seclusion rates and fidelity measurement. Int J Ment Health Nurs. 2017;26(5):461-71. Available from: https://doi.org/10.1111/inm.12380 .	Wrong population
Flores J, Barahona-López K. "It's Like Everyone's Trying to Put Pills in You": Pharmaceutical Violence and Harmful Mental Health Services Inside a California Juvenile Detention Center. Critical Criminology. 2019;27(4):643-62. Available from: https://doi.org/10.1007/s10612-019-09480-6 .	Wrong intervention
Fowler NA. Aromatherapy, used as an integrative tool for crisis management by adolescents in a residential treatment center. J Child Adolesc Psychiatr Nurs. 2006;19(2):69-76. Available from: https://doi.org/10.1111/j.1744-6171.2006.00048.x .	Wrong study design
Fricke OP, Halswick D, Langler A, Martin DD. Healing Architecture for Sick Kids. Z Kinder Jugendpsychiatr Psychother. 2019;47(1):27-33. Available from: https://doi.org/10.1024/1422-4917/a000635 .	Wrong study design
Friedman R, Nurenberg JR, Birnbaum S, Schleifer SJ. Using structured clinical feedback to encourage alternatives to use of "P.R.N." medication in a state psychiatric hospital. J Psychiatr Pract. 2012;18(5):381-7.	Wrong population
Fuller SJ, Tan J, Nicholls D. Decision-making and best practice when nasogastric tube feeding under restraint: multi-informant qualitative study. BJPsych Open.	Wrong population

2023;9(2):e28. Available from: https://doi.org/10.1192/bjo.2022.643 .	
Fuller SJ, Tan J, Nicholls D. The importance of individualised care, good communication and trust for reducing nasogastric tube feeding under physical restraint: qualitative multi-informant study. <i>BJPsych Open</i> . 2024;10(3):e86. Available from: https://doi.org/10.1192/bjo.2024.28 .	Wrong population
Gabrielsson S, Looi GM, Zingmark K, Savenstedt S. Knowledge of the patient as decision-making power: staff members' perceptions of interprofessional collaboration in challenging situations in psychiatric inpatient care. <i>Scand J Caring Sci</i> . 2014;28(4):784-92. Available from: https://doi.org/10.1111/scs.12111 .	Wrong setting
Galvin E, O'Donnell R, Avery J, Morris H, Mousa A, Halfpenny N, et al. Residential Out-of-Home Care Staff Perceptions of Implementing a Trauma-Informed Approach: The Sanctuary Model. <i>J Child Adolesc Trauma</i> . 2022;15(3):653-67. Available from: https://doi.org/10.1007/s40653-021-00427-0 .	Wrong outcomes
Geoffrion S, Lamothe J, Drolet C, Dufour S, Couvrette A. Exploring Reasons Motivating the Use of Restraint and Seclusion by Residential Workers in Residential Treatment Centers: A Qualitative Analysis of Official Reports. <i>Resid Treat Child Youth</i> . 2021;39(4):416-36. Available from: https://doi.org/10.1080/0886571x.2021.1973940 .	Wrong intervention
Georgieva I, de Haan G, Smith W, Mulder CL. Successful reduction of seclusion in a newly developed psychiatric intensive care unit. <i>J Psychiatr Intensive Care</i> . 2009;6(01):31-8. Available from: https://doi.org/10.1017/s1742646409990082 .	Wrong population
Gerace A, Muir-Cochrane E. Perceptions of nurses working with psychiatric consumers regarding the elimination of seclusion and restraint in psychiatric inpatient settings and emergency departments: An Australian survey. <i>Int J Ment Health Nurs</i> . 2019;28(1):209-25. Available from: https://doi.org/10.1111/inm.12522 .	Wrong population
Godfrey JL, McGill AC, Jones NT, Oxley SL, Carr RM. Anatomy of a transformation: a systematic effort to reduce mechanical restraints at a state psychiatric hospital. <i>Psychiatr Serv</i> . 2014;65(10):1277-80.	Wrong population

Available from: https://doi.org/10.1176/appi.ps.201300247 .	
Goldbloom DL, Mojtabai R, Serby MJ. Weekend prescribing practices and subsequent seclusion and restraint in a psychiatric inpatient setting. <i>Psychiatr Serv</i> . 2010;61(2):193-5. Available from: https://doi.org/10.1176/ps.2010.61.2.193 .	Wrong population
Goldstein NES, Giallella CL, Haney-Caron E, Peterson L, Serico J, Kemp K, et al. Juvenile Justice Anger Management (JJAM) Treatment for Girls: Results of a randomized controlled trial. <i>Psychol Serv</i> . 2018;15(4):386-97. Available from: https://doi.org/10.1037/ser0000184 .	Wrong outcomes
Gonzalez-Torres MA, Fernandez-Rivas A, Bustamante S, Rico-Vilademoros F, Vivanco E, Martinez K, et al. Impact of the creation and implementation of a clinical management guideline for personality disorders in reducing use of mechanical restraints in a psychiatric inpatient unit. <i>Prim Care Companion CNS Disord</i> . 2014;16(6). Available from: https://doi.org/10.4088/PCC.14m01675 .	Wrong population
Goodman H, Papastavrou Brooks C, Price O, Barley EA. Barriers and facilitators to the effective de-escalation of conflict behaviours in forensic high-secure settings: a qualitative study. <i>Int J Ment Health Syst</i> . 2020;14:59. Available from: https://doi.org/10.1186/s13033-020-00392-5 .	Wrong population
Goulet MH, Larue C. A Case Study: Seclusion and Restraint in Psychiatric Care. <i>Clin Nurs Res</i> . 2018;27(7):853-70. Available from: https://doi.org/10.1177/1054773817713177 .	Wrong population
Gouzoulis-Mayfrank E, Gairing SK, Kramer T, Forster M, Schmitz-Buhl M. [Opening up an acute psychiatric ward as a complex intervention]. <i>Nervenarzt</i> . 2019;90(7):709-14. Available from: https://doi.org/10.1007/s00115-019-0734-2 .	Wrong language
Graham S, Johnson DR. Trauma Therapy: Exploring the Views of Young People in Care. <i>Resid Treat Child Youth</i> . 2019;38(1):2-18. Available from: https://doi.org/10.1080/0886571x.2019.1644981 .	Wrong outcomes
Green-Hennessy S, Hennessy KD. Predictors of Seclusion or Restraint Use Within Residential Treatment	Wrong study design

Centers for Children and Adolescents. Psychiatr Q. 2015;86(4):545-54. Available from: https://doi.org/10.1007/s11126-015-9352-8 .	
Greene RW, Ablon JS, Hassuk B, Regan KM, Martin A. Innovations: child & adolescent psychiatry: use of collaborative problem solving to reduce seclusion and restraint in child and adolescent inpatient units. Psychiatric services (Washington, DC). 2006;57(5):610-2.	Wrong study design
Griffin E. Seclusion Reduction on an Adult Inpatient Psychiatric Unit: A Quality Improvement Project. J Psychosoc Nurs Ment Health Serv. 2022;60(6):27-32. Available from: https://doi.org/10.3928/02793695-20211118-05 .	Wrong population
Griffith JJ, Meyer D, Maguire T, Ogloff JRP, Daffern M. A Clinical Decision Support System to Prevent Aggression and Reduce Restrictive Practices in a Forensic Mental Health Service. Psychiatr Serv. 2021;72(8):885-90. Available from: https://doi.org/10.1176/appi.ps.202000315 .	Wrong population
Gstättner R, Kohl G. Verhaltensauffälligkeiten von Kindern & Jugendlichen in der stationären Jugendhilfe: Effekte einer milieuthérapeutischen Behandlungsstrategie = Effects of a milieu-therapeutic treatment strategy on behavior problems of children and adolescents in resident. Trauma & Gewalt. 2016;10(1):54-67.	Wrong language
Guivarch J, Cano N. [Use of restraint in psychiatry: Feelings of caregivers and ethical perspectives]. Encephale. 2013;39(4):237-43. Available from: https://doi.org/10.1016/j.encep.2013.02.004 .	Wrong language
Gusewell A, Bovet E, Bornand C, Stantzos A, Bangerter G. Music in Seclusion Rooms-Development, Implementation, and Initial Testing of a Music Listening Device. Issues Ment Health Nurs. 2019;40(3):268-77. Available from: https://doi.org/10.1080/01612840.2018.1467984 .	Wrong population
Gustafsson LK, Wigerblad A, Lindwall L. Undignified care: violation of patient dignity in involuntary psychiatric hospital care from a nurse's perspective. Nurs Ethics. 2014;21(2):176-86. Available from: https://doi.org/10.1177/0969733013490592 .	Wrong outcomes

Guzman-Parra J, Aguilera-Serrano C, Garcia-Sanchez JA, Garcia-Spinola E, Torres-Campos D, Villagran JM, et al. Experience coercion, post-traumatic stress, and satisfaction with treatment associated with different coercive measures during psychiatric hospitalization. <i>Int J Ment Health Nurs</i> . 2019;28(2):448-56. Available from: https://doi.org/10.1111/inm.12546 .	Wrong population
Guzman-Parra J, Aguilera-Serrano C, Huizing E, Bono Del Trigo A, Villagran JM, Garcia-Sanchez JA, et al. A regional multicomponent intervention for mechanical restraint reduction in acute psychiatric wards. <i>J Psychiatr Ment Health Nurs</i> . 2021;28(2):197-207. Available from: https://doi.org/10.1111/jpm.12669 .	Wrong population
Guzman-Parra J, Garcia-Sanchez JA, Pino-Benitez I, Alba-Vallejo M, Mayoral-Cleries F. Effects of a Regulatory Protocol for Mechanical Restraint and Coercion in a Spanish Psychiatric Ward. <i>Perspect Psychiatr Care</i> . 2015;51(4):260-7. Available from: https://doi.org/10.1111/ppc.12090 .	Wrong study design
Haefner J, Dunn I, McFarland M. A Quality Improvement Project Using Verbal De-Escalation to Reduce Seclusion and Patient Aggression in an Inpatient Psychiatric Unit. <i>Issues Ment Health Nurs</i> . 2021;42(2):138-44. Available from: https://doi.org/10.1080/01612840.2020.1789784 .	Wrong population
Haines-Delmont A, Goodall K, Duxbury J, Tsang A. An Evaluation of the Implementation of a “No Force First” Informed Organisational Guide to Reduce Physical Restraint in Mental Health and Learning Disability Inpatient Settings in the UK. <i>Front Psychiatry</i> . 2022;13:749615. Available from: https://doi.org/10.3389/fpsyt.2022.749615 .	Wrong population
Hakvoort L, Bogaerts S, Thaut MH, Spreen M. Influence of Music Therapy on Coping Skills and Anger Management in Forensic Psychiatric Patients: An Exploratory Study. <i>Int J Offender Ther Comp Criminol</i> . 2015;59(8):810-36. Available from: https://doi.org/10.1177/0306624X13516787 .	Wrong population
Hale R, Wendler MC. Evidence-Based Practice: Implementing Trauma-Informed Care of Children and Adolescents in the Inpatient Psychiatric Setting. <i>J Am Psychiatr Nurses Assoc</i> . 2023;29(2):161-70. Available from: https://doi.org/10.1177/1078390320980045 .	Wrong study design

Hallett N, Dickens GL. De-escalation: A survey of clinical staff in a secure mental health inpatient service. <i>Int J Ment Health Nurs</i> . 2015;24(4):324-33. Available from: https://doi.org/10.1111/inm.12136 .	Wrong setting
Hallett N, Dickens GL. The violence prevention climate of mental health wards: a cross-sectional study of staff and patient views. <i>Soc Psychiatry Psychiatr Epidemiol</i> . 2021;56(1):97-107. Available from: https://doi.org/10.1007/s00127-020-01860-6 .	Wrong population
Hallman IS, O'Connor N, Hasenau S, Brady S. Improving the culture of safety on a high-acuity inpatient child/adolescent psychiatric unit by mindfulness-based stress reduction training of staff. <i>J Child Adolesc Psychiatr Nurs</i> . 2014;27(4):183-9. Available from: https://doi.org/10.1111/jcap.12091 .	Wrong study design
Hallman IS, O'Connor N, Hasenau S, Brady S. Improving the culture of safety on a high-acuity inpatient child/adolescent psychiatric unit by mindfulness-based stress reduction training of staff. <i>J Child Adolesc Psychiatr Nurs</i> . 2017;30(4):175-80. Available from: https://doi.org/10.1111/jcap.12191 .	Wrong study design
Hamann J, Holzthuter F, Blakaj S, Becher S, Haller B, Landgrebe M, et al. Implementing shared decision-making on acute psychiatric wards: a cluster-randomized trial with inpatients suffering from schizophrenia (SDM-PLUS). <i>Epidemiol Psychiatr Sci</i> . 2020;29:e137. Available from: https://doi.org/10.1017/S2045796020000505 .	Wrong outcomes
Hamann J, John M, Holzthuter F, Siafis S, Brieger P, Heres S. Shared decision making, aggression, and coercion in inpatients with schizophrenia. <i>Eur Psychiatry</i> . 2020;63(1):e90. Available from: https://doi.org/10.1192/j.eurpsy.2020.88 .	Wrong population
Hambrick EP, Brawner TW, Perry BD, Wang EY, Griffin G, DeMarco T, et al. Restraint and Critical Incident Reduction Following Introduction of the Neurosequential Model of Therapeutics (NMT). <i>Resid Treat Child Youth</i> . 2018;35(1):2-23. Available from: https://doi.org/10.1080/0886571x.2018.1425651 .	Wrong study design
Hamilton J, Cole A, Bostwick R, Ngune I. Getting a grip on Safewards: The cross impact of clinical supervision and Safewards model on clinical practice. <i>Int J Ment</i>	Wrong setting

Health Nurs. 2023;32(3):801-18. Available from: https://doi.org/10.1111/inm.13116 .	
Happell B, Koehn S. Attitudes to the use of seclusion: has contemporary mental health policy made a difference? J Clin Nurs. 2010;19(21-22):3208-17. Available from: https://doi.org/10.1111/j.1365-2702.2010.03286.x .	Wrong population
Harrington A, Darke H, Ennis G, Sundram S. Evaluation of an alternative model for the management of clinical risk in an adult acute psychiatric inpatient unit. Int J Ment Health Nurs. 2019;28(5):1099-109. Available from: https://doi.org/10.1111/inm.12621 .	Wrong population
Hashweh N, Johnson F, Chrusciel T, Barnes A. Effect of trauma-informed supervision in youth detention center: A retrospective study. Fam Trauma Child Custody Child Dev. 2023;21(1):96-109. Available from: https://doi.org/10.1080/26904586.2023.2218856 .	Wrong outcomes
Haw C, Stubbs J, Bickle A, Stewart I. Coercive treatments in forensic psychiatry: a study of patients' experiences and preferences. J Forens Psychiatry Psychol. 2011;22(4):564-85. Available from: https://doi.org/10.1080/14789949.2011.602097 .	Wrong population
Hayes A, Russ MJ. Discontinuing the Use of PRN Intramuscular Medication for Agitation in an Acute Psychiatric Hospital. Psychiatr Q. 2016;87(1):25-9. Available from: https://doi.org/10.1007/s11126-015-9359-1 .	Wrong population
Hedlund Lindberg M, Samuelsson M, Perseus KI, Bjorkdahl A. The experiences of patients in using sensory rooms in psychiatric inpatient care. Int J Ment Health Nurs. 2019;28(4):930-9. Available from: https://doi.org/10.1111/inm.12593 .	Wrong population
Heider J, Fleck A, Peteler C, Anker S, Lieb S, Behrens M, et al. [Dialectical Behavioral Therapy for Male Adolescents with Borderline Symptomatology]. Prax Kinderpsychol Kinderpsychiatr. 2017;66(2):104-20. Available from: https://doi.org/10.13109/prkk.2017.66.2.104 .	Wrong language
Helleman M, Goossens PJ, Kaasenbrood A, van Achterberg T. Experiences of patients with borderline personality disorder with the brief admission intervention: a phenomenological study. Int J Ment	Wrong intervention

Health Nurs. 2014;23(5):442-50. Available from: https://doi.org/10.1111/inm.12074 .	
Hellerstein DJ, Staub AB, Lequesne E. Decreasing the use of restraint and seclusion among psychiatric inpatients. J Psychiatr Pract. 2007;13(5):308-17. Available from: https://doi.org/10.1097/01.pra.0000290669.10107.ba .	Wrong population
Henriksen A, Degner J, Oscarsson L. Youths in coercive residential care: attitudes towards key staff members' personal involvement, from a therapeutic alliance perspective. Eur J Soc Work. 2008;11(2):145-59. Available from: https://doi.org/10.1080/13691450701531976 .	Wrong outcomes
Higgins N, Meehan T, Dart N, Kilshaw M, Fawcett L. Implementation of the Safewards model in public mental health facilities: A qualitative evaluation of staff perceptions. Int J Nurs Stud. 2018;88:114-20. Available from: https://doi.org/10.1016/j.ijnurstu.2018.08.008 .	Wrong population
Hilton NZ, Ham E, Seto MC. Assessment of Risk for Seclusion Among Forensic Inpatients: Validation and Modification of the Risk of Administrative Segregation Tool (RAST). Int J Offender Ther Comp Criminol. 2019;63(8):1424-45. Available from: https://doi.org/10.1177/0306624X18823621 .	Wrong population
Hodgdon HB, Kinniburgh K, Gabowitz D, Blaustein ME, Spinazzola J. Development and Implementation of Trauma-Informed Programming in Youth Residential Treatment Centers Using the ARC Framework. J Fam Violence. 2013;28(7):679-92. Available from: https://doi.org/10.1007/s10896-013-9531-z .	Wrong study design
Hodgdon HB, Lord KA, Suvak MK, Martin L, Briggs EC, Beserra K. Predictors of symptom severity and change among youth in trauma-informed residential care. Child Abuse Negl. 2023;137:106056. Available from: https://doi.org/10.1016/j.chiabu.2023.106056 .	Wrong outcomes
Hojlund M, Høgh L, Bojesen AB, Munk-Jørgensen P, Stenager E. Use of antipsychotics and benzodiazepines in connection to minimising coercion and mechanical restraint in a general psychiatric ward. Int J Soc Psychiatry. 2018;64(3):258-65. Available from: https://doi.org/10.1177/0020764018760650 .	Wrong population

Hollen V, Ortiz G, Schacht L, Mojarrad MG, Lane GM, Jr., Parks JJ. Effects of adopting a smoke-free policy in state psychiatric hospitals. <i>Psychiatr Serv.</i> 2010;61(9):899-904. Available from: https://doi.org/10.1176/ps.2010.61.9.899 .	Wrong population
Holmqvist R, Hill T, Lang A. Effects of aggression replacement training in young offender institutions. <i>Int J Offender Ther Comp Criminol.</i> 2009;53(1):74-92. Available from: https://doi.org/10.1177/0306624X07310452 .	Wrong outcomes
Holstead J, Lamond D, Dalton J, Horne A, Crick R. Restraint Reduction in Children's Residential Facilities: Implementation at Damar Services. <i>Resid Treat Child Youth.</i> 2010;27(1):1-13. Available from: https://doi.org/10.1080/08865710903507961 .	Wrong study design
Hoogsteder LM, Kuijpers N, Stams GJJM, E. van Horn J, Hendriks J, Wissink IB. Study on the Effectiveness of Responsive Aggression Regulation Therapy (Re-ART). <i>Int J Forensic Ment Health.</i> 2014;13(1):25-35. Available from: https://doi.org/10.1080/14999013.2014.893711 .	Wrong outcomes
Hornik-Lurie T, Shalev A, Haknazar L, Garber Epstein P, Zidenberg-Rehav L, Moran GS. Implementing recovery-oriented interventions with staff in a psychiatric hospital: A mixed-methods study. <i>J Psychiatr Ment Health Nurs.</i> 2018;25(9-10):569-81. Available from: https://doi.org/10.1111/jpm.12502 .	Wrong outcomes
Hottinen A, Ryttilä-Manninen M, Lauren J, Autio S, Laiho T, Lindberg N. Impact of the implementation of the safeguards model on the social climate on adolescent psychiatric wards. <i>Int J Ment Health Nurs.</i> 2020;29(3):399-405. Available from: https://doi.org/10.1111/inm.12674 .	Wrong outcomes
Hottinen A, Valimäki M, Sailas E, Putkonen H, Joffe G, Noda T, et al. Underaged patients' opinions toward different containment measures: a questionnaire survey in Finnish adolescent psychiatry. <i>J Child Adolesc Psychiatr Nurs.</i> 2012;25(4):219-23. Available from: https://doi.org/10.1111/jcap.12006 .	Wrong intervention
Hottinen A, Valimäki M, Sailas E, Putkonen H, Joffe G, Noda T, et al. Attitudes towards different containment measures: a questionnaire survey in Finnish adolescent psychiatry. <i>J Psychiatr Ment Health Nurs.</i>	Wrong outcomes

2012;19(6):521-7. Available from: https://doi.org/10.1111/j.1365-2850.2011.01820.x .	
Huckshorn KA. Six core strategies for reducing seclusion and restraint use. Six Core Strategies for Reducing Seclusion and Restraint Use. 2005.	Wrong publication type
Huefner JC, Griffith AK, Smith GL, Vollmer DG, Leslie LK. Reducing Psychotropic Medications in an Intensive Residential Treatment Center. J Child Fam Stud. 2012;23(4):675-85. Available from: https://doi.org/10.1007/s10826-012-9628-7 .	Wrong study design
Huefner JC, O'Brien C, Vollmer DG. Designing and Testing a Developmentally Appropriate Intervention for Children in a Psychiatric Residential Treatment Facility. Child Adolesc Psychiatr Clin N Am. 2021;30(3):527-36. Available from: https://doi.org/10.1016/j.chc.2021.04.005 .	Wrong study design
Huefner JC, Vollmer DG. Characteristics and Treatment Needs of Preadolescent Versus Adolescent Children in an Intensive Residential Treatment Program. Resid Treat Child Youth. 2014;31(4):301-15. Available from: https://doi.org/10.1080/0886571x.2014.958349 .	Wrong study design
Hughes S, Trimble TJ, O'Rourke A. The experiences of young offenders (aged 18–21) on protection in an Irish prison: using an interpretative phenomenological analysis (IPA). J Crim Psychol. 2021;11(2):85-104. Available from: https://doi.org/10.1108/jcp-04-2020-0015 .	Wrong intervention
Hurley KD, Ingram S, Czyz JD, Juliano N, Wilson E. Treatment for Youth in Short-Term Care Facilities: The Impact of a Comprehensive Behavior Management Intervention. J Child Fam Stud. 2006;15(5):615-30. Available from: https://doi.org/10.1007/s10826-006-9040-2 .	Wrong study design
Hvidhjelm J, Brandt-Christensen M, Delcomyn C, Mollerhoj J, Siersma V, Bak J. Effects of Implementing the Short-Term Assessment of Risk and Treatability for Mechanical Restraint in a Forensic Male Population: A Stepped-Wedge, Cluster-Randomized Design. Front Psychiatry. 2022;13:822295. Available from: https://doi.org/10.3389/fpsy.2022.822295 .	Wrong population
Inderbitzin M. A look from the inside: balancing custody and treatment in a juvenile maximum-security facility.	Wrong outcomes

Int J Offender Ther Comp Criminol. 2007;51(3):348-62. Available from: https://doi.org/10.1177/0306624X06291462 .	
Iversen VC, Sallaup T, Vaaler AE, Helvik A-S, Morken G, Linaker O. Patients' perceptions of their stay in a psychiatric seclusion area. J Psychiatr Intensive Care. 2010;7(01):1-10. Available from: https://doi.org/10.1017/s1742646410000075 .	Wrong population
Izzo CV, Smith EG, Holden MJ, Norton CI, Nunno MA, Sellers DE. Intervening at the Setting Level to Prevent Behavioral Incidents in Residential Child Care: Efficacy of the CARE Program Model. Prev Sci. 2016;17(5):554-64. Available from: https://doi.org/10.1007/s11121-016-0649-0 .	Wrong outcomes
Izzo CV, Smith EG, Sellers DE, Holden MJ, Nunno MA. Improving relationship quality in group care settings: The impact of implementing the CARE model. Child Youth Serv Rev. 2020;109. Available from: https://doi.org/10.1016/j.childyouth.2019.104623 .	Wrong outcomes
Jaeger M, Konrad A, Rueegg S, Rabenschlag F. Patients' subjective perspective on recovery orientation on an acute psychiatric unit. Nord J Psychiatry. 2015;69(3):188-95. Available from: https://doi.org/10.3109/08039488.2014.959561 .	Wrong population
Jalil R, Huber JW, Sixsmith J, Dickens GL. The role of interpersonal style in aggression and its containment in a forensic mental health setting: A correlational and pseudoprospective study of patients and nursing staff. Int J Ment Health Nurs. 2020;29(3):427-39. Available from: https://doi.org/10.1111/inm.12677 .	Wrong population
Jani S, Knight S, Jani S. The Implementation of Milieu Therapy Training to Reduce the Frequency of Restraints in Residential Treatment Centers. Adolescent Psychiatry. 2011;1(3):251-4. Available from: https://doi.org/10.2174/2210677411101030251 .	Wrong study design
Jayaram G, Samuels J, Konrad SS. Prediction and prevention of aggression and seclusion by early screening and comprehensive seclusion documentation. Innov Clin Neurosci. 2012;9(7-8):30-8.	Wrong population
Johannessen KN, Bakken AK, Hambrick EP, Solbakken OA. Treatment Effects of Introducing the Neurosequential Model of Therapeutics in a Norwegian	Wrong outcomes

Residential Treatment Facility for Children Aged 7-13. Children (Basel). 2024;11(5). Available from: https://doi.org/10.3390/children11050503 .	
Johnson SE, Lapomardo A, Thibeau HM, Altemus M, Hunt JI, Wolff JC. A Process Evaluation of a Substance Use Brief Intervention for Adolescents in a Psychiatric Inpatient Program. Subst Abuse. 2020;14:1178221820936666. Available from: https://doi.org/10.1177/1178221820936666 .	Wrong outcomes
Johnston I, Price O, McPherson P, Armitage CJ, Brooks H, Bee P, et al. De-escalation of conflict in forensic mental health inpatient settings: a Theoretical Domains Framework-informed qualitative investigation of staff and patient perspectives. BMC Psychol. 2022;10(1):30. Available from: https://doi.org/10.1186/s40359-022-00735-6 .	Wrong population
Jones N, Gius BK, Shields M, Collings S, Rosen C, Munson M. Investigating the impact of involuntary psychiatric hospitalization on youth and young adult trust and help-seeking in pathways to care. Soc Psychiatry Psychiatr Epidemiol. 2021;56(11):2017-27. Available from: https://doi.org/10.1007/s00127-021-02048-2 .	Wrong outcomes
Kaijadoe SPT, Klip H, de Weerd A, van Arragon EA, Nijhof KS, Popma A, et al. How do group workers respond to suicidal behavior? Experiences and perceptions of suicidal female adolescents residing in secure residential youth care in the Netherlands. PLoS One. 2023;18(3):e0283744. Available from: https://doi.org/10.1371/journal.pone.0283744 .	Wrong intervention
Kalagi J, Otte I, Vollmann J, Juckel G, Gather J. Requirements for the implementation of open door policies in acute psychiatry from a mental health professionals' and patients' view: a qualitative interview study. BMC Psychiatry. 2018;18(1):304. Available from: https://doi.org/10.1186/s12888-018-1866-9 .	Wrong population
Kaltiala-Heino R, Berg J, Selander M, Työläjäarvi M, Kahila K. Aggression Management in an Adolescent Forensic Unit. Int J Forensic Ment Health. 2007;6(2):185-96. Available from: https://doi.org/10.1080/14999013.2007.10471262 .	Wrong study design
Karger G, Davies B, Jenkins R, Samuel V. Staff perceptions of positive behavioural support in a secure	Wrong population

forensic adult mental health setting. Journal of Forensic Practice. 2018;20(1):42-53. Available from: https://doi.org/10.1108/jfp-10-2017-0044 .	
Kavak F, Yilmaz E, Okanli A, Aslanoglu E. The effect of psychoeducation given to psychiatry nurses on level of knowledge, attitudes, and practices regarding physical restraint: A randomized controlled study. Perspect Psychiatr Care. 2019;55(4):743-51. Available from: https://doi.org/10.1111/ppc.12429 .	Wrong population
Kaya F, Buzlu S. Effects of Aggression Replacement Training on Problem Solving, Anger and Aggressive Behaviour among Adolescents with Criminal Attempts in Turkey: A Quasi-Experimental Study. Arch Psychiatr Nurs. 2016;30(6):729-35. Available from: https://doi.org/10.1016/j.apnu.2016.07.001 .	Wrong outcomes
Keatley DA, Starritt J, Parke A, Joyce T, Clarke DD. Behavior Sequencing Violent Episodes in Forensic Youth Populations. Int J Offender Ther Comp Criminol. 2022;66(1):70-83. Available from: https://doi.org/10.1177/0306624X21988991 .	Wrong outcomes
Kennedy R, Binns F. Therapeutic safe holding with children and young people in hospital. Nurs Child Young People. 2016;28(4):28-32. Available from: https://doi.org/10.7748/ncyp.28.4.28.s22 .	Wrong setting
Keski-Valkama A, Koivisto A-M, Eronen M, Kaltiala-Heino R. Forensic and general psychiatric patients' view of seclusion: a comparison study. J Forens Psychiatry Psychol. 2010;21(3):446-61. Available from: https://doi.org/10.1080/14789940903456569 .	Wrong population
Killick S, Allen D. Training Staff in an Adolescent Inpatient Psychiatric Unit in Positive Approaches to Managing Aggressive and Harmful Behaviour: Does it Improve Confidence and Knowledge? Child Care Pract. 2006;11(3):323-39. Available from: https://doi.org/10.1080/13575270500151870 .	Wrong study design
Kinner SA, Harvey C, Hamilton B, Brophy L, Roper C, McSherry B, et al. Attitudes towards seclusion and restraint in mental health settings: findings from a large, community-based survey of consumers, carers and mental health professionals. Epidemiol Psychiatr Sci. 2017;26(5):535-44. Available from: https://doi.org/10.1017/S2045796016000585 .	Wrong population

Kjellin L, Hoyer G, Engberg M, Kaltiala-Heino R, Sigurjonsdottir M. Differences in perceived coercion at admission to psychiatric hospitals in the Nordic countries. <i>Soc Psychiatry Psychiatr Epidemiol</i> . 2006;41(3):241-7. Available from: https://doi.org/10.1007/s00127-005-0024-0 .	Wrong population
Knack N, Chandler JA, Fedoroff JP. A qualitative study of forensic patients' perceptions of quasi-coercive offers of biological treatment. <i>Behav Sci Law</i> . 2020;38(2):135-51. Available from: https://doi.org/10.1002/bsl.2449 .	Wrong population
Knauf SA, O'Brien AJ, Kirkman AM. Implementation and Adaptation of the Safewards Model in the New Zealand Context. <i>Perspectives of Tangata Whai Ora and Staff. Issues Ment Health Nurs</i> . 2024;45(1):37-54. Available from: https://doi.org/10.1080/01612840.2023.2270048 .	Wrong population
Kodua M, Eboh WO. "It's not a nice thing to do, but...": A phenomenological study of manual physical restraint within inpatient adolescent mental health care. <i>J Adv Nurs</i> . 2023;79(12):4593-606. Available from: https://doi.org/10.1111/jan.15742 .	Wrong intervention
Kontio R, Anttila M, Lantta T, Kauppi K, Joffe G, Valimaki M. Toward a safer working environment on psychiatric wards: service users' delayed perspectives of aggression and violence-related situations and development ideas. <i>Perspect Psychiatr Care</i> . 2014;50(4):271-9. Available from: https://doi.org/10.1111/ppc.12054 .	Wrong population
Kontio R, Joffe G, Putkonen H, Kuosmanen L, Hane K, Holli M, et al. Seclusion and restraint in psychiatry: patients' experiences and practical suggestions on how to improve practices and use alternatives. <i>Perspect Psychiatr Care</i> . 2012;48(1):16-24. Available from: https://doi.org/10.1111/j.1744-6163.2010.00301.x .	Wrong population
Kontio R, Valimaki M, Putkonen H, Kuosmanen L, Scott A, Joffe G. Patient restrictions: are there ethical alternatives to seclusion and restraint? <i>Nurs Ethics</i> . 2010;17(1):65-76. Available from: https://doi.org/10.1177/0969733009350140 .	Wrong population
Kool N, van Meijel B, Koekkoek B, Kerkhof A. Evaluation of an intensive treatment program for disrupted patient-staff relationships in psychiatry. <i>Perspect Psychiatr</i>	Wrong population

Care. 2014;50(2):139-46. Available from: https://doi.org/10.1111/ppc.12034 .	
Korezelidou A, Welte A, Oster A, Mahler L. Overcoming the lack of alternatives - Changes in the use of coercive measures after implementation of the recovery-oriented "Weddinger Modell" in acute psychiatric care. J Psychiatr Res. 2025;181:405-10. Available from: https://doi.org/10.1016/j.jpsychires.2024.11.032 .	Wrong population
Kranzler H, Roofeh D, Gerbino-Rosen G, Dombrowski C, McMeniman M, DeThomas C, et al. Clozapine: its impact on aggressive behavior among children and adolescents with schizophrenia. J Am Acad Child Adolesc Psychiatry. 2005;44(1):55-63. Available from: https://doi.org/10.1097/01.chi.0000145371.23122.5a .	Wrong study design
Kuosmanen L, Hatonen H, Malkavaara H, Kylmä J, Valimäki M. Deprivation of liberty in psychiatric hospital care: the patient's perspective. Nurs Ethics. 2007;14(5):597-607. Available from: https://doi.org/10.1177/0969733007080205 .	Wrong population
Lambert K, Chu S, Turner P. Professional Boundaries of Nursing Staff in Secure Mental Health Services: Impact of Interpersonal Style and Attitude Toward Coercion. J Psychosoc Nurs Ment Health Serv. 2019;57(2):16-24. Available from: https://doi.org/10.3928/02793695-20180920-05 .	Wrong population
Lambert M, Schottle D, Sengutta M, Ruppelt F, Rohenkohl A, Luedecke D, et al. Early detection and integrated care for adolescents and young adults with severe psychotic disorders: rationales and design of the Integrated Care in Early Psychosis Study (ACCESS III). Early Interv Psychiatry. 2018;12(1):96-106. Available from: https://doi.org/10.1111/eip.12361 .	Wrong outcomes
Larson TC, Sheitman BB, Kraus JE, Mayo J, Leidy L. Managing treatment resistant violent adolescents: a step forward by substituting seclusion for mechanical restraint? Adm Policy Ment Health. 2008;35(3):198-203. Available from: https://doi.org/10.1007/s10488-007-0156-5 .	Wrong study design
Larue C, Piat M, Racine H, Menard G, Goulet MH. The nursing decision making process in seclusion episodes in a psychiatric facility. Issues Ment Health Nurs.	Wrong population

2010;31(3):208-15. Available from: https://doi.org/10.3109/01612840903131800 .	
Lavelle M, Stewart D, James K, Richardson M, Renwick L, Brennan G, et al. Predictors of effective de-escalation in acute inpatient psychiatric settings. <i>J Clin Nurs</i> . 2016;25(15-16):2180-8. Available from: https://doi.org/10.1111/jocn.13239 .	Wrong population
Lebel J, Goldstein R. The economic cost of using restraint and the value added by restraint reduction or elimination. <i>Psychiatr Serv</i> . 2005;56(9):1109-14. Available from: https://doi.org/10.1176/appi.ps.56.9.1109 .	Wrong study design
LeBel J, Huckshorn KA, Caldwell B. Restraint use in residential programs: why are best practices ignored? <i>Child Welfare</i> . 2010;89(2):169-87.	Wrong study design
Lee SJ, Cox A, Whitecross F, Williams P, Hollander Y. Sensory assessment and therapy to help reduce seclusion use with service users needing psychiatric intensive care. <i>J Psychiatr Intensive Care</i> . 2010;6(02):83-90. Available from: https://doi.org/10.1017/s1742646410000014 .	Wrong population
Lee TG, Walker SC, Bishop AS. The Impact of Psychiatric Practice Guidelines on Medication Costs and Youth Aggression in a Juvenile Justice Residential Treatment Program. <i>Psychiatr Serv</i> . 2016;67(2):214-20. Available from: https://doi.org/10.1176/appi.ps.201400544 .	Wrong outcomes
Lee TK, Valimaki M, Lantta T. The Knowledge, Practice and Attitudes of Nurses Regarding Physical Restraint: Survey Results from Psychiatric Inpatient Settings. <i>Int J Environ Res Public Health</i> . 2021;18(13). Available from: https://doi.org/10.3390/ijerph18136747 .	Wrong study design
Lenz AS, Del Conte G. Efficacy of Dialectical Behavior Therapy for Adolescents in a Partial Hospitalization Program. <i>J Couns Dev</i> . 2018;96(1):15-26. Available from: https://doi.org/10.1002/jcad.12174 .	Wrong setting
Li S, Ye J, Yuan L, Wang H, Wang T, Wu C, et al. Perspectives on physical restraint in psychiatric hospital: A qualitative study of mentally ill patients. <i>Int J Ment Health Nurs</i> . 2023;32(6):1773-8. Available from: https://doi.org/10.1111/inm.13205 .	Wrong population

Lickiewicz J, Adamczyk N, Hughes PP, Jagielski P, Stawarz B, Makara-Studzinska M. Reducing aggression in psychiatric wards using Safewards-A Polish study. <i>Perspect Psychiatr Care</i> . 2021;57(1):50-5. Available from: https://doi.org/10.1111/ppc.12523 .	Wrong population
Lillevik OG, Øien L. Miljøterapeutisk praksis i forebygging av vold. <i>Tidsskrift for psykisk helsearbeid</i> . 2012;9(3):207-17. Available from: https://doi.org/10.18261/issn1504-3010-2012-03-03 .	Wrong outcomes
Lim E, Wynaden D, Heslop K. Using Q-methodology to explore mental health nurses' knowledge and skills to use recovery-focused care to reduce aggression in acute mental health settings. <i>Int J Ment Health Nurs</i> . 2021;30(2):413-26. Available from: https://doi.org/10.1111/inm.12802 .	Wrong population
Lindow M, Kjellin L, Engstrom I, Pelto-Piri V. Strategies for the Prevention of Violence in Institutional Care: A Qualitative Interview Study With Ward Managers. <i>Front Psychiatry</i> . 2022;13:853260. Available from: https://doi.org/10.3389/fpsy.2022.853260 .	Wrong population
Lindsey PL. Psychiatric nurses' decision to restrain. <i>J Psychosoc Nurs Ment Health Serv</i> . 2009;47(9):41-9. Available from: https://doi.org/10.3928/02793695-20090730-02 .	Wrong outcomes
Long CG, West R, Afford M, Collins L, Dolley O. Reducing the use of seclusion in a secure service for women. <i>J Psychiatr Intensive Care</i> . 2014;11(02):84-94. Available from: https://doi.org/10.1017/s174264641400017x .	Wrong population
Luna O, Rapp JT, Brogan KM. Improving Juvenile Justice Settings by Decreasing Coercion: One Lab's Perspectives from Behind the Fence. <i>Perspect Behav Sci</i> . 2022;45(1):295-325. Available from: https://doi.org/10.1007/s40614-022-00325-2 .	Wrong publication type
Lykke Jr, Oestrich I, Austin SF, Hesse M. The Implementation and Evaluation of Cognitive Milieu Therapy for Dual Diagnosis Inpatients: A Pragmatic Clinical Trial. <i>J Dual Diagn</i> . 2010;6(1):58-72. Available from: https://doi.org/10.1080/15504260903498763 .	Wrong study design
Lyng MC, Dixen ST, Johansen KS, During SW, A UP, Nordgaard J. Patients' experiences with physical holding and mechanical restraint in the psychiatric care: an interview study. <i>Nord J Psychiatry</i> . 2023;77(3):247-55.	Wrong population

Available from: https://doi.org/10.1080/08039488.2022.2087001 .	
Machailo RM, Koen D, Matsipane M. Towards an Understanding of Successes of the Psychiatric Nurses in Caring for Children with Mental Health Problems: An Appreciative Inquiry. <i>Int J Environ Res Public Health</i> . 2023;20(3). Available from: https://doi.org/10.3390/ijerph20031725 .	Wrong outcomes
Madan A, Borckardt JJ, Grubaugh AL, Danielson CK, McLeod-Bryant S, Cooney H, et al. Efforts to reduce seclusion and restraint use in a state psychiatric hospital: a ten-year perspective. <i>Psychiatr Serv</i> . 2014;65(10):1273-6. Available from: https://doi.org/10.1176/appi.ps.201300383 .	Wrong study design
Magnowski SR, Kick D, Cook J, Kay B. Algorithmic Prediction of Restraint and Seclusion in an Inpatient Child and Adolescent Psychiatric Population. <i>J Am Psychiatr Nurses Assoc</i> . 2022;28(6):464-73. Available from: https://doi.org/10.1177/1078390320971014 .	Wrong intervention
Magnusson E, Axelsson AK, Lindroth M. 'We try' - how nurses work with patient participation in forensic psychiatric care. <i>Scand J Caring Sci</i> . 2020;34(3):690-7. Available from: https://doi.org/10.1111/scs.12773 .	Wrong population
Maguire T, Daffern M, Bowe SJ, McKenna B. Risk assessment and subsequent nursing interventions in a forensic mental health inpatient setting: Associations and impact on aggressive behaviour. <i>J Clin Nurs</i> . 2018;27(5-6):e971-e83. Available from: https://doi.org/10.1111/jocn.14107 .	Wrong population
Maguire T, Daffern M, Bowe SJ, McKenna B. Evaluating the impact of an electronic application of the Dynamic Appraisal of Situational Aggression with an embedded Aggression Prevention Protocol on aggression and restrictive interventions on a forensic mental health unit. <i>Int J Ment Health Nurs</i> . 2019;28(5):1186-97. Available from: https://doi.org/10.1111/inm.12630 .	Wrong population
Maguire T, Ryan J, Fullam R, McKenna B. Evaluating the Introduction of the Safewards Model to a Medium- to Long-Term Forensic Mental Health Ward. <i>J Forensic Nurs</i> . 2018;14(4):214-22. Available from: https://doi.org/10.1097/JFN.0000000000000215 .	Wrong population

Maguire T, Young R, Martin T. Seclusion reduction in a forensic mental health setting. <i>J Psychiatr Ment Health Nurs</i> . 2012;19(2):97-106. Available from: https://doi.org/10.1111/j.1365-2850.2011.01753.x .	Wrong population
Mahler L, Mielau J, Heinz A, Wullschleger A. Same, Same But Different: How the Interplay of Legal Procedures and Structural Factors Can Influence the Use of Coercion. <i>Front Psychiatry</i> . 2019;10:249. Available from: https://doi.org/10.3389/fpsyt.2019.00249 .	Wrong publication type
Mangus AR, Webb EK, Bar-Halpern M, Ravichandran C, Ressler KJ, Moreland-Capuia A. Training for Lasting Change: Trauma-Informed Training Results in Improved and Sustained Individual and Organizational Knowledge, Attitudes, and Policies. <i>J Clin Psychiatry</i> . 2023;84(6). Available from: https://doi.org/10.4088/JCP.23m14904 .	Wrong study design
Mann-Poll PS, Smit A, van Doeselaar M, Hutschemaekers GJ. Professionals' attitudes after a seclusion reduction program: anything changed? <i>Psychiatr Q</i> . 2013;84(1):1-10. Available from: https://doi.org/10.1007/s11126-012-9222-6 .	Wrong population
Marshall L, Kletzka N, Kanitz J, Opperman KJ, Rockwell J. Effectiveness of Dialectical Behavior Therapy (DBT) in a Forensic Psychiatric Hospital. <i>J Am Acad Psychiatry Law</i> . 2024;52(2):196-206. Available from: https://doi.org/10.29158/JAAPL.240009-24 .	Wrong population
Marshall LA, Adams EA, Stuckey MI. Relationships, experience, and support: staff perception of safety in a forensic mental health facility. <i>J Forens Psychiatry Psychol</i> . 2019;30(5):824-35. Available from: https://doi.org/10.1080/14789949.2019.1642368 .	Wrong population
Martin BA, Suane SN. Effect of Training on Sensory Room and Cart Usage. <i>Occup Ther Ment Health</i> . 2012;28(2):118-28. Available from: https://doi.org/10.1080/0164212x.2012.679526 .	Wrong outcomes
Martin T, Daffern M. Clinician perceptions of personal safety and confidence to manage inpatient aggression in a forensic psychiatric setting. <i>J Psychiatr Ment Health Nurs</i> . 2006;13(1):90-9. Available from: https://doi.org/10.1111/j.1365-2850.2006.00920.x .	Wrong population
Matte-Landry A, Collin-Vézina D. Patterns of Change in Restraints, Seclusions and Time-outs over the Implementation of Trauma-informed Staff Training	Wrong study design

Programs in Residential Care for Children and Youth. Resid Treat Child Youth. 2021;39(2):154-78. Available from: https://doi.org/10.1080/0886571x.2021.1929660 .	
Matte-Landry A, Collin-Vezina D. Patterns of change in restrictive measures in residential care: Trauma-informed staff training benefits children and youth who need it the Most. Child Abuse Negl. 2024;147:106576. Available from: https://doi.org/10.1016/j.chiabu.2023.106576 .	Wrong study design
McCaffrey G, Adrian M. Pediatric psychiatric inpatients' perspectives of aggression management: Discernment in the doorway. J Child Adolesc Psychiatr Nurs. 2024;37(3):e12477. Available from: https://doi.org/10.1111/jcap.12477 .	Wrong intervention
McCredie MN, Quinn CA, Covington M. Dialectical Behavior Therapy in Adolescent Residential Treatment: Outcomes and Effectiveness. Resid Treat Child Youth. 2017;34(2):84-106. Available from: https://doi.org/10.1080/0886571x.2016.1271291 .	Wrong study design
McKenzie E, Charlton A. What does trauma-informed care mean to people admitted to a forensic mental health and intellectual disability service? A reflexive thematic analysis. Psychol Trauma. 2025;17(1):122-30. Available from: https://doi.org/10.1037/tra0001777 .	Wrong population
McKeown M, Thomson G, Scholes A, Jones F, Downe S, Price O, et al. Restraint minimisation in mental health care: legitimate or illegitimate force? An ethnographic study. Sociol Health Illn. 2020;42(3):449-64. Available from: https://doi.org/10.1111/1467-9566.13015 .	Wrong population
McLaughlin S, Bonner G, Mboche C, Fairlie T. A pilot study to test an intervention for dealing with verbal aggression. Br J Nurs. 2010;19(8):489-94. Available from: https://doi.org/10.12968/bjon.2010.19.8.47638 .	Wrong study design
McLean S. Managing behaviour in child residential group care: unique tensions. Child Fam Soc Work. 2013;20(3):344-53. Available from: https://doi.org/10.1111/cfs.12083 .	Wrong intervention
Mefodeva V, Carlyle M, Walter Z, Hides L. Client and staff perceptions of the integration of trauma informed care and specialist posttraumatic stress disorder treatment in residential treatment facilities for substance use: A qualitative study. Drug Alcohol Rev.	Wrong population

2023;42(1):181-92. Available from: https://doi.org/10.1111/dar.13535 .	
Mielau J, Altunbay J, Gallinat J, Heinz A, BERPpohl F, Lehmann A, et al. Subjective experience of coercion in psychiatric care: a study comparing the attitudes of patients and healthy volunteers towards coercive methods and their justification. Eur Arch Psychiatry Clin Neurosci. 2016;266(4):337-47. Available from: https://doi.org/10.1007/s00406-015-0598-9 .	Wrong population
Miller JA, Hunt DP, Georges MA. Reduction of Physical Restraints in Residential Treatment Facilities. J Disabil Policy Stud. 2006;16(4):202-8. Available from: https://doi.org/10.1177/10442073060160040101 .	Wrong study design
Miller L, Riddle MA, Pruitt D, Zachik A, dosReis S. Antipsychotic treatment patterns and aggressive behavior among adolescents in residential facilities. J Behav Health Serv Res. 2013;40(1):97-110. Available from: https://doi.org/10.1007/s11414-012-9314-y .	Wrong intervention
Missouridou E, Zartaloudi A, Dafogianni C, Koutelekos J, Dousis E, Vlachou E, et al. Locked versus open ward environments and restrictive measures in acute psychiatry in Greece: Nursing students' attitudes and experiences. Perspect Psychiatr Care. 2021;57(3):1365-75. Available from: https://doi.org/10.1111/ppc.12699 .	Wrong population
Mohamed SM, Marzouk SA, Ahmed FA, Nashaat NAM, Omar R. Cognitive behavioral program on aggression and self-concept among institutionalized children with conduct disorder. Arch Psychiatr Nurs. 2022;39:84-90. Available from: https://doi.org/10.1016/j.apnu.2022.03.012 .	Wrong outcomes
Molin J, Lindgren BM, Graneheim UH, Ringner A. Time Together: A nursing intervention in psychiatric inpatient care: Feasibility and effects. Int J Ment Health Nurs. 2018;27(6):1698-708. Available from: https://doi.org/10.1111/inm.12468 .	Wrong study design
Moran A, Cocoman A, Scott PA, Matthews A, Staniulienė V, Valimaki M. Restraint and seclusion: a distressing treatment option? J Psychiatr Ment Health Nurs. 2009;16(7):599-605. Available from: https://doi.org/10.1111/j.1365-2850.2009.01419.x .	Wrong population
Moylan LB, Cullinan M. Frequency of assault and severity of injury of psychiatric nurses in relation to the	Wrong population

nurses' decision to restrain. J Psychiatr Ment Health Nurs. 2011;18(6):526-34. Available from: https://doi.org/10.1111/j.1365-2850.2011.01699.x .	
Moyles J, Hunter A, Grealish A. Forensic mental health nurses' experiences of rebuilding the therapeutic relationship after an episode of physical restraint in forensic services in Ireland: A qualitative study. Int J Ment Health Nurs. 2023;32(5):1377-89. Available from: https://doi.org/10.1111/inm.13176 .	Wrong population
Mueller S, Hart M, Carr C. Resilience Building Programs in U.S. Corrections Facilities: An Evaluation of Trauma-Informed Practices in Place. J Aggress Maltreat Trauma. 2021;32(1-2):242-61. Available from: https://doi.org/10.1080/10926771.2021.2008082 .	Wrong outcomes
Mälarstig I, Tyrberg MJ, Lundgren T, Alfonsson S. Experiences of conducting a substance use disorder treatment, A-CRA, in compulsory institutional care for youth – The challenge of promoting openness in a closed, temporary setting. Child Youth Serv Rev. 2023;148:1-9. Available from: https://doi.org/10.1016/j.childyouth.2023.106850 .	Wrong outcomes
Nagayama Y, Tanaka K, Oe M. Strengths Model-Based Nursing Interventions for Inpatients in Psychiatric Inpatient Settings Using a Seclusion Room: A Case Series Study. Nurs Rep. 2023;13(2):644-58. Available from: https://doi.org/10.3390/nursrep13020057 .	Wrong population
Negrão M, Veiga E, Rocha JC, Clemente I. Trauma-Sensitive Residential Care: Perspectives of Portuguese Professionals to Spark Change. Resid Treat Child Youth. 2024;41(4):465-81. Available from: https://doi.org/10.1080/0886571x.2024.2389044 .	Wrong outcomes
Nesset MB, Rossberg JI, Almvik R, Friis S. Can a focused staff training programme improve the ward atmosphere and patient satisfaction in a forensic psychiatric hospital? A pilot study. Scand J Caring Sci. 2009;23(1):117-24. Available from: https://doi.org/10.1111/j.1471-6712.2008.00597.x .	Wrong population
Nicotera N, Viggiano E. A Pilot Study of a Trauma-Informed Yoga and Mindfulness Intervention With Young Women Incarcerated in the Juvenile Justice System. J Addict Offender Couns. 2021;42(2):80-96. Available from: https://doi.org/10.1002/jaoc.12095 .	Wrong outcomes

Nielsen LD, Gildberg FA, Bech P, Lange Dalgaard J, Munksgaard G, Hounsgaard L. Forensic mental health clinician's experiences with and assessment of alliance regarding the patient's readiness to be released from mechanical restraint. <i>Int J Ment Health Nurs</i> . 2018;27(1):116-25. Available from: https://doi.org/10.1111/inm.12300 .	Wrong population
Nitkowski D, Petermann F, Buttner P, Krause-Leipoldt C, Petermann U. [Behaviour therapy and child welfare - results of an approach to improve mental health care of aggressive children]. <i>Z Kinder Jugendpsychiatr Psychother</i> . 2009;37(5):461-8. Available from: https://doi.org/10.1024/1422-4917.37.5.461 .	Wrong language
Noelck M, Velazquez-Campbell M, Austin JP. A Quality Improvement Initiative to Reduce Safety Events Among Adolescents Hospitalized After a Suicide Attempt. <i>Hosp Pediatr</i> . 2019;9(5):365-72. Available from: https://doi.org/10.1542/hpeds.2018-0218 .	Wrong outcomes
Nolbeck K, Wijk H, Lindahl G, Olausson S. "If you don't behave, you're in real shit, you don't get outside the doors"-a phenomenological hermeneutic study of adolescents' lived experiences of the socio-spatial environment of involuntary institutional care. <i>Int J Qual Stud Health Well-being</i> . 2020;15(1):1726559. Available from: https://doi.org/10.1080/17482631.2020.1726559 .	Wrong intervention
Nolkemper D, Wiggert N, Muller S, Fegert JM, Kolch M. [Participation and Information in Child and Youth Psychiatry]. <i>Prax Kinderpsychol Kinderpsychiatr</i> . 2019;68(4):271-85. Available from: https://doi.org/10.13109/prkk.2019.68.4.271 .	Wrong language
Noorthoorn EO, Janssen WA, Theunissen J, Hesta H, de Vries WJ, Hutschemaekers GJM, et al. The Power of Day-to-Day Motivational Techniques and Family Participation in Reducing Seclusion: A Comparison of Two Admission Wards With and Without a Seclusion Prevention Protocol. <i>Int J Ment Health</i> . 2014;37(3):81-98. Available from: https://doi.org/10.2753/imh0020-7411370304 .	Wrong population
Noorthoorn EO, Janssen WA, Theunissen J, Hesta H, de Vries WJ, Hutschemaekers GJM, et al. The Power of Day-to-Day Motivational Techniques and Family Participation in Reducing Seclusion: A Comparison of Two Admission Wards With and Without a Seclusion Prevention	Wrong population

Protocol. Int J Ment Health. 2014;37(3):81-98. Available from: https://doi.org/10.2753/imh0020-7411370304 .	
Nordentoft M, Petersen L, Jeppesen P, Thorup AA, Abel MB, Ohlenschlaeger J, et al. [OPUS: a randomised multicenter trial of integrated versus standard treatment for patients with a first-episode psychosis—secondary publication]. Ugeskr Laeger. 2006;168(4):381-4.	Wrong population
Norvoll R, Pedersen R. Patients' moral views on coercion in mental healthcare. Nurs Ethics. 2018;25(6):796-807. Available from: https://doi.org/10.1177/0969733016674768 .	Wrong population
Novak T, Scanlan J, McCaul D, MacDonald N, Clarke T. Pilot study of a sensory room in an acute inpatient psychiatric unit. Australas Psychiatry. 2012;20(5):401-6. Available from: https://doi.org/10.1177/1039856212459585 .	Wrong population
Nowicki J, Pestine A. Transitioning from Level Systems to Youth-Centered Programming in Residential Treatment Centers as a Strategy for Reducing Restraints and Seclusion. Relational Child & Youth Care Practice. 2015;28(1):45-52.	Wrong study design
Nowlin H. JUVENILE RESIDENTIAL PLACEMENT AND MENTAL HEALTH. Youth Voice J. 2022;2022(JanuarySpecial Issue):10-21.	Wrong study design
Nugent WR, Ely G. The Effects of Aggression Replacement Training on Periodicities in Antisocial Behavior in a Short-Term Shelter for Adolescents. J Soc Social Work Res. 2010;1(3):140-58. Available from: https://doi.org/10.5243/jsswr.2010.11 .	Wrong setting
Nytingnes O, Ruud T, Norvoll R, Rugkasa J, Hanssen-Bauer K. A cross-sectional study of experienced coercion in adolescent mental health inpatients. BMC Health Serv Res. 2018;18(1):389. Available from: https://doi.org/10.1186/s12913-018-3208-5 .	Wrong study design
Nytingnes O, Ruud T, Rugkasa J. 'It's unbelievably humiliating' -Patients' expressions of negative effects of coercion in mental health care. Int J Law Psychiatry. 2016;49(Pt A):147-53. Available from: https://doi.org/10.1016/j.ijlp.2016.08.009 .	Wrong population
O'Dowd R, Laithwaite H, Quayle E. A Qualitative Exploration of Service Users' Experiences of Violence	Wrong population

Risk Assessment and Management in Forensic Mental Health Settings: An Interpretative Phenomenological Analysis. <i>J Forensic Psychol Res Pract.</i> 2022;22(4):357-88. Available from: https://doi.org/10.1080/24732850.2021.2001195 .	
Odgaard AS, Kragh M, Roj Larsen E. The impact of modified mania assessment scale (MAS-M) implementation on the use of mechanical restraint in psychiatric units. <i>Nord J Psychiatry.</i> 2018;72(8):549-55. Available from: https://doi.org/10.1080/08039488.2018.1490816 .	Wrong population
Ohlenschlaeger J, Nordentoft M, Thorup A, Jeppesen P, Petersen L, Christensen TO, et al. Effect of integrated treatment on the use of coercive measures in first-episode schizophrenia-spectrum disorder. A randomized clinical trial. <i>Int J Law Psychiatry.</i> 2008;31(1):72-6. Available from: https://doi.org/10.1016/j.ijlp.2007.11.003 .	Wrong population
Okkels N, Jensen LG, Skovshoved LC, Arendt R, Blicher AB, Vieta E, et al. Lighting as an aid for recovery in hospitalized psychiatric patients: a randomized controlled effectiveness trial. <i>Nord J Psychiatry.</i> 2020;74(2):105-14. Available from: https://doi.org/10.1080/08039488.2019.1676465 .	Wrong population
Olafson E, Boat BW, Putnam KT, Thieken L, Marrow MT, Putnam FW. Implementing Trauma and Grief Component Therapy for Adolescents and Think Trauma for Traumatized Youth in Secure Juvenile Justice Settings. <i>J Interpers Violence.</i> 2018;33(16):2537-57. Available from: https://doi.org/10.1177/0886260516628287 .	Wrong outcomes
Olsson H, Audulv A, Strand S, Kristiansen L. Reducing or increasing violence in forensic care: a qualitative study of inpatient experiences. <i>Arch Psychiatr Nurs.</i> 2015;29(6):393-400. Available from: https://doi.org/10.1016/j.apnu.2015.06.009 .	Wrong population
Olver J, Love M, Daniel J, Norman T, Nicholls D. The impact of a changed environment on arousal levels of patients in a secure extended rehabilitation facility. <i>Australas Psychiatry.</i> 2009;17(3):207-11. Available from: https://doi.org/10.1080/10398560902839473 .	Wrong population
Ovejero S, Iza M, Vallejo S, Vera C, Sedano A, Álvarez R, et al. Use of inhaled loxapine in acute psychiatric	Wrong publication type

agitation. European Psychiatry. 2020;33(S1):s228-s. Available from: https://doi.org/10.1016/j.eurpsy.2016.01.564 .	
Paccione-Dyszlewski MR, Conelea CA, Heisler WC, Vilardi JC, Sachs HT, 3 rd . A crisis management quality improvement initiative in a children's psychiatric hospital: design, implementation, and outcome. J Psychiatr Pract. 2012;18(4):304-11. Available from: https://doi.org/10.1097/01.pra.0000416022.76085.9e .	Wrong study design
Paterson-Young C. Exploring how children subjected to violence in the home cope with experiences in Secure Training Centres. Child Abuse Negl. 2021;117:105076. Available from: https://doi.org/10.1016/j.chiabu.2021.105076 .	Wrong intervention
Pavlov A, Kameg K, Cline TW, Chiapetta L, Stark S, Mitchell AM. Music Therapy as a Nonpharmacological Intervention for Anxiety in Patients with a Thought Disorder. Issues Ment Health Nurs. 2017;38(3):285-8. Available from: https://doi.org/10.1080/01612840.2016.1264516 .	Wrong population
Pawlowski T, Baranowski P. Personality traits of nurses and organizational climate in relation to the use of coercion in psychiatric wards. Perspect Psychiatr Care. 2018;54(2):287-92. Available from: https://doi.org/10.1111/ppc.12236 .	Wrong intervention
Pelto-Piri V, Engstrom K, Engstrom I. The ethical landscape of professional care in everyday practice as perceived by staff: A qualitative content analysis of ethical diaries written by staff in child and adolescent psychiatric in-patient care. Child Adolesc Psychiatry Ment Health. 2012;6(1):18. Available from: https://doi.org/10.1186/1753-2000-6-18 .	Wrong intervention
Perez-Toribio A, Moreno-Poyato AR, Lluch-Canut T, Molina-Martinez L, Bastidas-Salvado A, Puig-Llobet M, et al. Relationship between nurses' use of verbal de-escalation and mechanical restraint in acute inpatient mental health care: a retrospective study. Int J Ment Health Nurs. 2022;31(2):339-47. Available from: https://doi.org/10.1111/inm.12961 .	Wrong population
Perez-Toribio A, Moreno-Poyato AR, Roldan-Merino JF, Nash M. Spanish mental health nurses' experiences of mechanical restraint: A qualitative descriptive study. J	Wrong population

Psychiatr Ment Health Nurs. 2022;29(5):688-97. Available from: https://doi.org/10.1111/jpm.12860 .	
Petker T, Yanke C, Rahman L, Whalen L, Demaline K, Whitelaw K, et al. Naturalistic Evaluation of an Adjunctive Yoga Program for Women with Substance Use Disorders in Inpatient Treatment: Within-Treatment Effects on Cravings, Self-efficacy, Psychiatric Symptoms, Impulsivity, and Mindfulness. Subst Abuse. 2021;15:11782218211026651. Available from: https://doi.org/10.1177/11782218211026651 .	Wrong intervention
Pettit SA, Bowers L, Tulloch A, Cullen AE, Moylan LB, Sethi F, et al. Acceptability and use of coercive methods across differing service configurations with and without seclusion and/or psychiatric intensive care units. J Adv Nurs. 2017;73(4):966-76. Available from: https://doi.org/10.1111/jan.13197 .	Wrong population
Polak R, Hutchinson D, Perryman L, Brueck S. A Calming Cushion as a Therapeutic Wellness Tool for Youths with Disabilities and History of Trauma. Soc Work. 2017;62(4):359-65. Available from: https://doi.org/10.1093/sw/swx042 .	Wrong outcomes
Polat H, Asi Karakas S. The effect of acceptance and commitment therapy orientated anger management training on anger ruminations and impulsivity levels in forensic psychiatric patients: A randomized controlled trial. Perspect Psychiatr Care. 2021;57(4):1616-27. Available from: https://doi.org/10.1111/ppc.12726 .	Wrong population
Pollastri AR, Lieberman RE, Boldt SL, Ablon JS. Minimizing Seclusion and Restraint in Youth Residential and Day Treatment Through Site-Wide Implementation of Collaborative Problem Solving. Resid Treat Child Youth. 2016;33(3-4):186-205. Available from: https://doi.org/10.1080/0886571x.2016.1188340 .	Wrong study design
Poremski D, Loo E, Chan CYW, Li LD, Fung D. Reducing Injury During Restraint by Crisis Intervention in Psychiatric Wards in Singapore. East Asian Arch Psychiatry. 2019;29(4):129-35. Available from: https://doi.org/10.12809/eaap1811 .	Wrong population
Price O, Baker J, Bee P, Grundy A, Scott A, Butler D, et al. Patient perspectives on barriers and enablers to the use and effectiveness of de-escalation techniques for the management of violence and aggression in mental	Wrong population

health settings. <i>J Adv Nurs</i> . 2018;74(3):614-25. Available from: https://doi.org/10.1111/jan.13488 .	
Price O, Baker J, Bee P, Lovell K. The support-control continuum: An investigation of staff perspectives on factors influencing the success or failure of de-escalation techniques for the management of violence and aggression in mental health settings. <i>Int J Nurs Stud</i> . 2018;77:197-206. Available from: https://doi.org/10.1016/j.ijnurstu.2017.10.002 .	Wrong population
Prunetti E, Magrin C, Zavagnin M, Bodini L, Bateni M, Dimaggio G. Short-Term Inpatient DBT Combined with Metacognitive Interventions for Personality Disorders: A Pilot Acceptability and Effectiveness Study. <i>J Contemp Psychother</i> . 2022;52(3):173-80. Available from: https://doi.org/10.1007/s10879-022-09536-9 .	Wrong outcomes
Qurashi I, Johnson D, Shaw J, Johnson B. Reduction in the use of seclusion in a high secure hospital: A retrospective analysis. <i>J Psychiatr Intensive Care</i> . 2009;6(02):109-15. Available from: https://doi.org/10.1017/s174264640999015x .	Wrong study design
Rakfeldt J. Dialectical behavior therapy with transitional youth: Preliminary findings. <i>Best Pract Ment Health</i> . 2005;1(2):61-76.	Wrong outcomes
Reen GK, Bailey J, McGuigan L, Bloodworth N, Nawaz RF, Vincent C. Environmental changes to reduce self-harm on an adolescent inpatient psychiatric ward: an interrupted time series analysis. <i>Eur Child Adolesc Psychiatry</i> . 2021;30(8):1173-86. Available from: https://doi.org/10.1007/s00787-020-01607-3 .	Wrong outcomes
Ren Z, Zhao Z, Yu X, Zhang L, Li X. Effects of cognitive bias modification for interpretation on hostile interpretation bias and self-reported aggression in juvenile delinquents. <i>Int J Clin Health Psychol</i> . 2021;21(2):100226. Available from: https://doi.org/10.1016/j.ijchp.2021.100226 .	Wrong outcomes
Repique RJ, Vernig PM, Lowe J, Thompson JA, Yap TL. Implementation of a Recovery-Oriented Training Program for Psychiatric Nurses in the Inpatient Setting: A Mixed-Methods Hospital Quality Improvement Study. <i>Arch Psychiatr Nurs</i> . 2016;30(6):722-8. Available from: https://doi.org/10.1016/j.apnu.2016.06.003 .	Wrong population

Rice JL, Tan TX, Li Y. In their voices: Experiences of adolescents during involuntary psychiatric hospitalization. <i>Child Youth Serv Rev.</i> 2021;126. Available from: https://doi.org/10.1016/j.childyouth.2021.106045 .	Wrong outcomes
Riley D. No Force First: eliminating restraint in a mental health trust. <i>Nurs Times.</i> 2018;114(3):38-9.	Wrong publication type
Rixe J, Neumann E, Moller J, Macdonald L, Wrona E, Bender S, et al. Joint Crisis Plans and Crisis Cards in Inpatient Psychiatric Treatment-a Multicenter Randomized Controlled Trial. <i>Dtsch Arztebl Int.</i> 2023;120(8):125-32. Available from: https://doi.org/10.3238/arztebl.m2022.0384 .	Wrong population
Robson D, Spaducci G, McNeill A, Stewart D, Craig TJK, Yates M, et al. Effect of implementation of a smoke-free policy on physical violence in a psychiatric inpatient setting: an interrupted time series analysis. <i>Lancet Psychiatry.</i> 2017;4(7):540-6. Available from: https://doi.org/10.1016/S2215-0366(17)30209-2 .	Wrong population
Roe D. Pedagogies of Sport in Youth Detention: Withholding, Developing, or Just “Busying the Youth”? <i>J Contemp Ethnogr.</i> 2021;50(2):261-88. Available from: https://doi.org/10.1177/0891241620986844 .	Wrong outcomes
Rohe T, Dresler T, Stuhlinger M, Weber M, Strittmatter T, Fallgatter AJ. [Architectural modernization of psychiatric hospitals influences the use of coercive measures]. <i>Nervenarzt.</i> 2017;88(1):70-7. Available from: https://doi.org/10.1007/s00115-015-0054-0 .	Wrong language
Rouski C, Knowles SF, Sellwood W, Hodge S. The quest for genuine care: A qualitative study of the experiences of young people who self-harm in residential care. <i>Clin Child Psychol Psychiatry.</i> 2021;26(2):418-29. Available from: https://doi.org/10.1177/1359104520980037 .	Wrong outcomes
Roy C, Morizot J, Lamothe J, Geoffrion S. The influence of residential workers social climate on the use of restraint and seclusion: A longitudinal study in a residential treatment center for youth. <i>Child Youth Serv Rev.</i> 2020;114. Available from: https://doi.org/10.1016/j.childyouth.2020.105035 .	Wrong study design
Rusch N, Muller M, Lay B, Corrigan PW, Zahn R, Schonenberger T, et al. Emotional reactions to involuntary psychiatric hospitalization and stigma-	Wrong population

related stress among people with mental illness. Eur Arch Psychiatry Clin Neurosci. 2014;264(1):35-43. Available from: https://doi.org/10.1007/s00406-013-0412-5 .	
Russell M, Maher C, Dorrell M, Pitcher C, Henderson L. A Comparison Between Users and Non-users of Devereux's Safe and Positive Approaches Training Curricula in the Reduction of Injury and Restraint. Resid Treat Child Youth. 2009;26(3):209-20. Available from: https://doi.org/10.1080/08865710903130301 .	Wrong intervention
Ryan CJ, Bowers L. An analysis of nurses' post-incident manual restraint reports. J Psychiatr Ment Health Nurs. 2006;13(5):527-32. Available from: https://doi.org/10.1111/j.1365-2850.2006.00975.x .	Wrong intervention
Saito E, Tebbett-Mock AA, McGee M. Dialectical Behavior Therapy Decreases Depressive Symptoms Among Adolescents in an Acute-Care Inpatient Unit. J Child Adolesc Psychopharmacol. 2020;30(4):244-9. Available from: https://doi.org/10.1089/cap.2019.0149 .	Wrong outcomes
Salvatore GL, Simmons CA, Tremoulet PD. Physician Perspectives on Severe Behavior and Restraint Use in a Hospital Setting for Patients with Autism Spectrum Disorder. J Autism Dev Disord. 2022;52(10):4412-25. Available from: https://doi.org/10.1007/s10803-021-05327-8 .	Wrong population
Sams DP, Garrison D, Bartlett J. Innovative Strength-Based Care in Child and Adolescent Inpatient Psychiatry. J Child Adolesc Psychiatr Nurs. 2016;29(3):110-7. Available from: https://doi.org/10.1111/jcap.12147 .	Wrong outcomes
Sanders K. The Effects of an Action Plan, Staff Training, Management Support and Monitoring on Restraint Use and Costs of Work-Related Injuries. J Appl Res Intellect Disabil. 2009;22(2):216-20. Available from: https://doi.org/10.1111/j.1468-3148.2008.00491.x .	Wrong population
Scheeres A, Xhezo R, Julius R, Coffman R, Frisby J, Weber L, et al. Changes in voluntary admission and restraint use after a comprehensive tobacco-free policy in inpatient psychiatric health facilities. Subst Abus. 2020;41(2):252-8. Available from: https://doi.org/10.1080/08897077.2019.1635556 .	Wrong intervention

Schenkel LS, Wilkniss SM, Savitz A, Spaulding WD, Silverstein SM. The effects of a staff-training program in behavior management and social-learning principles on staff-patient interactions within a psychiatric rehabilitation inpatient unit. <i>Am J Orthopsychiatry</i> . 2020;90(4):419-31. Available from: https://doi.org/10.1037/ort0000443 .	Wrong population
Scholes A, Price O, Berry K. Women's experiences of restrictive interventions within inpatient mental health services: A qualitative investigation. <i>Int J Ment Health Nurs</i> . 2022;31(2):379-89. Available from: https://doi.org/10.1111/inm.12966 .	Wrong population
Sclafani MJ, Humphrey FJ, 2 nd , Repko S, Ko HS, Wallen MC, Digiacomio A. Reducing patient restraints: a pilot approach using clinical case review. <i>Perspect Psychiatr Care</i> . 2008;44(1):32-9. Available from: https://doi.org/10.1111/j.1744-6163.2008.00145.x .	Wrong study design
Scudamore T, Liem A, Wiener M, Ekure NS, Botash C, Empey D, et al. Mindful Melody: feasibility of implementing music listening on an inpatient psychiatric unit and its relation to the use of as needed medications for acute agitation. <i>BMC Psychiatry</i> . 2021;21(1):132. Available from: https://doi.org/10.1186/s12888-021-03127-z .	Wrong population
Seckman A, Paun O, Heipp B, Van Stee M, Keels-Lowe V, Beel F, et al. Evaluation of the use of a sensory room on an adolescent inpatient unit and its impact on restraint and seclusion prevention. <i>J Child Adolesc Psychiatr Nurs</i> . 2017;30(2):90-7. Available from: https://doi.org/10.1111/jcap.12174 .	Wrong study design
Sees DL. Impact of the Health Care Financing Administration regulations on restraint and seclusion usage in the acute psychiatric setting. <i>Arch Psychiatr Nurs</i> . 2009;23(4):277-82. Available from: https://doi.org/10.1016/j.apnu.2008.07.002 .	Wrong population
Selvin M, Almqvist K, Kjellin L, Schroder A. The Concept of Patient Participation in Forensic Psychiatric Care: The Patient Perspective. <i>J Forensic Nurs</i> . 2016;12(2):57-63. Available from: https://doi.org/10.1097/JFN.0000000000000107 .	Wrong population
Shechory Bitton M, Rajpurkar S. Therapeutic crisis intervention system in residential care for children and youth: Staff knowledge, attitudes, and coping styles.	Wrong outcomes

Child Youth Serv Rev. 2015;56:1-6. Available from: https://doi.org/10.1016/j.chilyouth.2015.04.009 .	
Shechory M. Effects of the holding technique for restraint of aggression in children in residential care. Int J Adolesc Med Health. 2005;17(4):355-65. Available from: https://doi.org/10.1515/ijamh.2005.17.4.355 .	Wrong study design
Shelton D, Kesten K, Zhang W, Trestman R. Impact of a Dialectic Behavior Therapy-Corrections Modified (DBT-CM) upon behaviorally challenged incarcerated male adolescents. J Child Adolesc Psychiatr Nurs. 2011;24(2):105-13. Available from: https://doi.org/10.1111/j.1744-6171.2011.00275.x .	Wrong outcomes
Sheppard KG, Wilson MM, Reddick LH, Tucker GO, Schwab AH. Reducing staff burnout and turnover intentions in juvenile justice residential commitment programs: The promise of trauma-informed care. Journal of Criminal Justice. 2022;82:N.PAG-N.PAG. Available from: https://doi.org/10.1016/j.jcrimjus.2022.101979 .	Wrong outcomes
Silva B, Bachelard M, Bonsack C, Golay P, Morandi S. Exploring Patients' Feeling of Being Coerced During Psychiatric Hospital Admission: A Qualitative Study. Psychiatr Q. 2023;94(3):411-34. Available from: https://doi.org/10.1007/s11126-023-10039-6 .	Wrong population
Silva IS, Gaspar MFdF, Anglin JP. Webster-Stratton Incredible Years Basic Parent Programme (IY) in child care placements: residential staff carers' satisfaction results. Child Fam Soc Work. 2014;21(2):198-208. Available from: https://doi.org/10.1111/cfs.12129 .	Wrong outcomes
Silverman KD, Solimo A, Glowa-Kollisch S, Kim S, Bell CJ, Katyal M. Assessing the Association of Solitary Confinement Ban With Adolescent Self-Harm in New York City Jails. J Correct Health Care. 2022;28(6):396-404. Available from: https://doi.org/10.1089/jchc.21.07.0067 .	Wrong outcomes
Simmons ML, Maguire T, Ogloff JRP, Gabriel J, Daffern M. Using the Dynamic Appraisal of Situational Aggression (DASA) to assess the impact of unit atmosphere on violence risk assessment. J Psychiatr Ment Health Nurs. 2023;30(5):942-51. Available from: https://doi.org/10.1111/jpm.12913 .	Wrong population

Simms-Sawyers C, Miles H, Harvey J. An exploration of perceived coercion into psychological assessment and treatment within a low secure forensic mental health service. <i>Psychiatr Psychol Law</i>. 2020;27(4):578-600. Available from: https://doi.org/10.1080/13218719.2020.1734981.	Wrong population
Simpson AI, Penney SR, Fernane S, Wilkie T. The impact of structured decision making on absconding by forensic psychiatric patients: results from an A-B design study. <i>BMC Psychiatry</i>. 2015;15(1):103. Available from: https://doi.org/10.1186/s12888-015-0474-1.	Wrong population
Sloman KN, Reyes JR, Vollmer TR. Effects of an Independent Group Contingency Special Activity Program on Inappropriate Behavior in a Residential Setting. <i>Behavioral Interventions</i>. 2014;29(3):186-99. Available from: https://doi.org/10.1002/bin.1383.	Wrong population
Smith GM, Ashbridge DM, Davis RH, Steinmetz W. Correlation between reduction of seclusion and restraint and assaults by patients in Pennsylvania's state hospitals. <i>Psychiatr Serv</i>. 2015;66(3):303-9. Available from: https://doi.org/10.1176/appi.ps.201400185.	Wrong population
Smith GM, Davis RH, Bixler EO, Lin HM, Altenor A, Altenor RJ, et al. Pennsylvania State Hospital system's seclusion and restraint reduction program. <i>Psychiatr Serv</i>. 2005;56(9):1115-22. Available from: https://doi.org/10.1176/appi.ps.56.9.1115.	Wrong study design
Smith ML, Bowman KM. The restraint spiral: emergent themes in the perceptions of the physical restraint of juveniles. <i>Child Welfare</i>. 2009;88(3):57-83.	Wrong intervention
Snorrason J, Biering P. The attributes of successful de-escalation and restraint teams. <i>Int J Ment Health Nurs</i>. 2018;27(6):1842-50. Available from: https://doi.org/10.1111/inm.12493.	Wrong population
Soininen P, Valimaki M, Noda T, Puukka P, Korkeila J, Joffe G, et al. Secluded and restrained patients' perceptions of their treatment. <i>Int J Ment Health Nurs</i>. 2013;22(1):47-55. Available from: https://doi.org/10.1111/j.1447-0349.2012.00838.x.	Wrong population
Spinzy Y, Maree S, Segev A, Cohen-Rappaport G. Listening to the Patient Perspective: Psychiatric Inpatients' Attitudes Towards Physical Restraint.	Wrong population

Psychiatr Q. 2018;89(3):691-6. Available from: https://doi.org/10.1007/s11126-018-9565-8 .	
Stanley LHK, Boel-Studt S. The Influence of Youth Gender and Complex Trauma on the Relation Between Treatment Conditions and Outcomes in Therapeutic Residential Care. J Child Adolesc Trauma. 2021;14(1):93-101. Available from: https://doi.org/10.1007/s40653-019-00285-x .	Wrong study design
Stanton J, Thomas DR, Jarbin M, MacKay P. Self-determination theory in acute child and adolescent mental health inpatient care. A qualitative exploratory study. PLoS One. 2020;15(10):e0239815. Available from: https://doi.org/10.1371/journal.pone.0239815 .	Wrong intervention
Steckley L. Catharsis, Containment and Physical Restraint in Residential Child care. Br J Soc Work. 2018;48(6):1645-63. Available from: https://doi.org/10.1093/bjsw/bcx131 .	Wrong intervention
Steckley L, Kendrick A. Young people's experiences of physical restraint in residential care. Subtlety and complexity in policy and practice. For Our Own Safety: Examining the Safety of High-Risk Interventions for Children and Young People. 2008:3-24.	Wrong publication type
Steckley L, Kendrick A. Physical Restraint in Residential Childcare. Childhood. 2008;15(4):552-69. Available from: https://doi.org/10.1177/0907568208097207 .	Wrong intervention
Stein LA, Clair M, Lebeau R, Colby SM, Barnett NP, Golembeske C, et al. Motivational interviewing to reduce substance-related consequences: effects for incarcerated adolescents with depressed mood. Drug Alcohol Depend. 2011;118(2-3):475-8. Available from: https://doi.org/10.1016/j.drugalcdep.2011.03.023 .	Wrong outcomes
Strack KM, Schulenberg SE. Understanding empowerment, meaning, and perceived coercion in individuals with serious mental illness. J Clin Psychol. 2009;65(10):1137-48. Available from: https://doi.org/10.1002/jclp.20607 .	Wrong population
Sustere E, Tarpey E. Least restrictive practice: its role in patient independence and recovery. J Forens Psychiatry Psychol. 2019;30(4):614-29. Available from: https://doi.org/10.1080/14789949.2019.1566489 .	Wrong population

Sutton D, Wilson M, Van Kessel K, Vanderpyl J. Optimizing arousal to manage aggression: a pilot study of sensory modulation. <i>Int J Ment Health Nurs</i> . 2013;22(6):500-11. Available from: https://doi.org/10.1111/inm.12010 .	Wrong population
Swanson JW, Swartz MS, Elbogen EB, RA VAND, Wagner HR, Moser LA, et al. Psychiatric advance directives and reduction of coercive crisis interventions. <i>J Ment Health</i> . 2008;17(3):255-67. Available from: https://doi.org/10.1080/09638230802052195 .	Wrong population
Swart J, Apsche J. A comparative treatment efficacy study of conventional therapy and mode deactivation therapy (MDT) for adolescents with conduct disorders, mixed personality disorders, and experiences of childhood trauma. <i>Int J Behav Consult Ther</i> . 2014;9(1):23-9. Available from: https://doi.org/10.1037/h0101011 .	Wrong outcomes
Tampke EC, Fite PJ, Griffith RL, Pederson CA, Abel M. Further Evaluation of the Link between Perceived Containment and Proactive and Reactive Functions of Aggression among Detained Youth. <i>J Aggress Maltreat Trauma</i> . 2020;30(4):509-27. Available from: https://doi.org/10.1080/10926771.2020.1774694 .	Wrong study design
Taniguchi Y, Schlieff M, Bright J, Simon S, Leffler JM. Implementation of an Expressive Writing Intervention for Adolescents During Inpatient Psychiatric Hospitalization. <i>Adolescent Psychiatry</i> . 2022;12(1):23-37. Available from: https://doi.org/10.2174/2210676612666211222104647	Wrong outcomes
ten Brummelaar MDC, Knorth EJ, Post WJ, Harder AT, Kalverboer ME. Space between the borders? Perceptions of professionals on the participation in decision-making of young people in coercive care. <i>Qual Soc Work</i> . 2016;17(5):692-711. Available from: https://doi.org/10.1177/1473325016681661 .	Wrong outcomes
Terkelsen TB, Larsen IB. Fear, danger and aggression in a Norwegian locked psychiatric ward: Dialogue and ethics of care as contributions to combating difficult situations. <i>Nurs Ethics</i> . 2016;23(3):308-17. Available from: https://doi.org/10.1177/0969733014564104 .	Wrong population
Thompson-Brenner H, Singh S, Gardner T, Brooks GE, Smith MT, Lowe MR, et al. The Renfrew Unified Treatment for Eating Disorders and Comorbidity: Long-	Wrong intervention

Term Effects of an Evidence-Based Practice Implementation in Residential Treatment. <i>Front Psychiatry</i> . 2021;12:641601. Available from: https://doi.org/10.3389/fpsy.2021.641601 .	
Thordarson MA, Sullivan PJ, Baweja R, Zucker J, Neelley M, Xie IY, et al. Cognitive-Behavioral and Dialectical Behavior Therapy in High-Intensity Settings. <i>J Am Acad Child Adolesc Psychiatry</i> . 2024;63(10):956-60. Available from: https://doi.org/10.1016/j.jaac.2024.04.014 .	Wrong study design
Tomlinson MF, Hoaken PNS. The Potential for a Skills-Based Dialectical Behavior Therapy Program to Reduce Aggression, Anger, and Hostility in a Canadian Forensic Psychiatric Sample: A Pilot Study. <i>Int J Forensic Ment Health</i> . 2017;16(3):215-26. Available from: https://doi.org/10.1080/14999013.2017.1315469 .	Wrong population
Tonnaer F, Cima M, Arntz A. Explosive Matters: Does Venting Anger Reduce or Increase Aggression? Differences in Anger Venting Effects in Violent Offenders. <i>J Aggress Maltreat Trauma</i> . 2019;29(5):611-27. Available from: https://doi.org/10.1080/10926771.2019.1575303 .	Wrong population
Trauer T, Hamilton B, Rogers C, Castle D. Evaluation of the effect of a structured intervention for the management of behavioural disturbance on the level of seclusion in an acute psychiatric inpatient ward. <i>J Psychiatr Intensive Care</i> . 2010;6(02):91-100. Available from: https://doi.org/10.1017/s1742646410000026 .	Wrong population
Tseris EJ, Bright Hart E, Franks S. "My Voice Was Discounted the Whole Way Through": A Gendered Analysis of Women's Experiences of Involuntary Mental Health Treatment. <i>Affilia</i> . 2022;37(4):645-63. Available from: https://doi.org/10.1177/08861099221108714 .	Wrong population
Tyler PM, Patwardan I, Ringle JL, Chmelka MB, Mason WA. Youth Needs at Intake into Trauma-Informed Group Homes and Response to Services: An Examination of Trauma Exposure, Symptoms, and Clinical Impression. <i>Am J Community Psychol</i> . 2019;64(3-4):321-32. Available from: https://doi.org/10.1002/ajcp.12364 .	Wrong outcomes
Ulke C, Klein AM, von Klitzing K. [Effects of Ward Interventions on Repeated Critical Incidents in Child and Adolescent Psychiatric Inpatient Care]. <i>Prax Kinderpsychol Kinderpsychiatr</i> . 2014;63(8):616-34.	Wrong language

Available from: https://doi.org/10.13109/prkk.2014.63.8.616 .	
van de Sande R, Noorthoorn E, Nijman H, Wierdsma A, van de Staak C, Hellendoorn E, et al. Associations between psychiatric symptoms and seclusion use: Clinical implications for care planning. <i>Int J Ment Health Nurs</i> . 2017;26(5):423-36. Available from: https://doi.org/10.1111/inm.12381 .	Wrong population
van der Schaaf PS, Dusseldorp E, Keuning FM, Janssen WA, Noorthoorn EO. Impact of the physical environment of psychiatric wards on the use of seclusion. <i>Br J Psychiatry</i> . 2013;202:142-9. Available from: https://doi.org/10.1192/bjp.bp.112.118422 .	Wrong population
van Dorp M, Nijhof KS, Mulder EA, Popma A. Defining Seclusion: A Qualitative Multiphase Study Based on the Perspectives of Youth and Professionals in Secure Residential Youth Care in the Netherlands. <i>Resid Treat Child Youth</i> . 2021;38(4):404-23. Available from: https://doi.org/10.1080/0886571x.2021.1879710 .	Wrong intervention
van Dorp M, Nijhof KS, Popma A, Mulder EA. Common elements to reduce seclusion in child and adolescent residential care settings: A synthesis of literature and semi-structured interviews. <i>Child Youth Serv Rev</i> . 2023;155:N.PAG-N.PAG. Available from: https://doi.org/10.1016/j.childyouth.2023.107231 .	Wrong intervention
van Dorp M, Nijhof KS, Popma A, Twisk J, Mulder EA. Change over time: the use of seclusion in secure residential youth care in The Netherlands. <i>Resid Treat Child Youth</i> . 2022;40(3):305-23. Available from: https://doi.org/10.1080/0886571x.2022.2105277 .	Wrong study design
van Gink K, van Domburgh L, Jansen L, Goddard N, Ottenbros R, van Der Stegen B, et al. The Development and Implementation of Non-Violent Resistance in Child and Adolescent Residential Settings. <i>Resid Treat Child Youth</i> . 2019;37(3):176-98. Available from: https://doi.org/10.1080/0886571x.2019.1590172 .	Wrong study design
van Gink K, Vermeiren R, Goddard N, van Domburgh L, van der Stegen B, Twisk J, et al. The influence of Non-violent Resistance on work climate, living group climate and aggression in child and adolescent residential care. <i>Child Youth Serv Rev</i> . 2018;94:456-65. Available from: https://doi.org/10.1016/j.childyouth.2018.08.009 .	Wrong outcomes

van Gink K, Visser K, Popma A, Vermeiren R, van Domburgh L, van der Stegen B, et al. Implementing Non-violent Resistance, a Method to Cope with Aggression in Child and Adolescent Residential Care: Exploration of Staff Members Experiences. Arch Psychiatr Nurs. 2018;32(3):353-9. Available from: https://doi.org/10.1016/j.apnu.2017.11.025 .	Wrong outcomes
Van Loan CL, Gage NA, Cullen JP. Reducing Use of Physical Restraint: A Pilot Study Investigating a Relationship-Based Crisis Prevention Curriculum. Resid Treat Child Youth. 2015;32(2):113-33. Available from: https://doi.org/10.1080/0886571x.2015.1043787 .	Wrong study design
van Nijnatten C, van Elk E. Communicating Care and Coercion in Juvenile Probation. British Journal of Social Work. 2013;45(3):825-41. Available from: https://doi.org/10.1093/bjsw/bct153 .	Wrong outcomes
Van Vliet KJ, Foskett AJ, Williams JL, Singhal A, Dolcos F, Vohra S. Impact of a mindfulness-based stress reduction program from the perspective of adolescents with serious mental health concerns. Child Adolesc Ment Health. 2017;22(1):16-22. Available from: https://doi.org/10.1111/camh.12170 .	Wrong intervention
van Wijk E, Traut A, Julie H. Environmental and nursing-staff factors contributing to aggressive and violent behaviour of patients in mental health facilities. Curationis. 2014;37(1):1122. Available from: https://doi.org/10.4102/curationis.v37i1.1122 .	Wrong population
Versitano S, Shvetcov A, Paton J, Perkes I. Art therapy is associated with a reduction in restrictive practices on an inpatient child and adolescent mental health unit. J Ment Health. 2024;33(4):481-9. Available from: https://doi.org/10.1080/09638237.2024.2332813 .	Wrong study design
Villena-Jimena A, Morales-Asencio JM, Quemada C, Hurtado MM. "It's That They Treated Me Like an Object": A Qualitative Study on the Participation of People Diagnosed with Psychotic Disorders in Their Health Care. Int J Environ Res Public Health. 2023;20(5). Available from: https://doi.org/10.3390/ijerph20054614 .	Wrong population
Visaggio N, Phillips KE, Kichefski K, McElhinney J, Idiculla TB, Blair EW, et al. Is it safe? The restraint chair compared to traditional methods of restraint: A three hospital study. Arch Psychiatr Nurs. 2018;32(5):723-8.	Wrong population

Available from: https://doi.org/10.1016/j.apnu.2018.04.003 .	
Visaggio N, Phillips KE, Milne S, McElhinney J, Young SC. The restraint chair: A qualitative study of nurses' experience with the restraint chair versus four point restraint. Arch Psychiatr Nurs. 2020;34(1):2-6. Available from: https://doi.org/10.1016/j.apnu.2019.12.009 .	Wrong population
Vishnivetsky S, Shoval G, Leibovich V, Giner L, Mitrany M, Cohen D, et al. Seclusion room vs. physical restraint in an adolescent inpatient setting: patients' attitudes. Isr J Psychiatry Relat Sci. 2013;50(1):6-10.	Wrong study design
Visser KM, Jansen LMC, Popma A, Vermeiren RRJM, Kasius MC. Addressing Aggression in the Residential Setting for Juveniles with Mild Intellectual Disability through Training in Non-Violent Resistance. Child Youth Care Forum. 2020;50(2):333-49. Available from: https://doi.org/10.1007/s10566-020-09576-z .	Wrong population
Visser KM, Popma A, Jansen LMC, Kasius MC, Vermeiren R. Improvement of group climate in a residential setting for juveniles with mild intellectual disability through training of staff in Non-Violent Resistance. J Appl Res Intellect Disabil. 2021;34(6):1592-601. Available from: https://doi.org/10.1111/jar.12910 .	Wrong outcomes
Visser KM, Vermeiren RRJM, Popma A, Nauta-Jansen LMC, Kasius MC. Improving Work Climate in a Residential Setting for Juveniles with Mild Intellectual Disability through Training of Staff in Non-violent Resistance. Resid Treat Child Youth. 2021;39(2):192-211. Available from: https://doi.org/10.1080/0886571x.2021.1978034 .	Wrong population
Vojt G, Thomson LDG, Marshall LA. The predictive validity of the HCR-20 following clinical implementation: does it work in practice? J Forens Psychiatry Psychol. 2013;24(3):371-85. Available from: https://doi.org/10.1080/14789949.2013.800894 .	Wrong population
Wallsten T, Kjellin L, Lindstrom L. Short-term outcome of inpatient psychiatric care—impact of coercion and treatment characteristics. Soc Psychiatry Psychiatr Epidemiol. 2006;41(12):975-80. Available from: https://doi.org/10.1007/s00127-006-0131-6 .	Wrong population
Wallstrom R, Lindgren E, Gabrielsson S. 'Don't abandon me': Young people's experiences of child and	Wrong outcomes

adolescent psychiatric inpatient care supporting recovery described in blogs. <i>Int J Ment Health Nurs.</i> 2021;30(1):117-25. Available from: https://doi.org/10.1111/inm.12787 .	
Wasser T, Tyler R, McLlhaney K, Taplin R, Henderson L. Effectiveness of Dialectical Behavior Therapy (DBT) versus Standard Therapeutic Milieu (STM) in a cohort of adolescents receiving residential treatment. <i>Best Pract Ment Health.</i> 2008;4(2):114-25.	Wrong outcomes
Webb EL, Girardi A, Fox E, Wallang P. An evaluation of value-based outcomes for women admitted to a dialectical behaviour therapy integrated practice unit: a follow-up study. <i>Behav Cogn Psychother.</i> 2023;51(1):110-5. Available from: https://doi.org/10.1017/S1352465822000467 .	Wrong population
Weide A, Vrinssen J, Karasch O, Blumenroder T, Staninska A, Engemann S, et al. [Joint crisis plans in mental health hospitals-Real practice in an association of psychiatric hospitals]. <i>Nervenarzt.</i> 2023;94(1):18-26. Available from: https://doi.org/10.1007/s00115-022-01419-7 .	Wrong language
Wentling S, Di Napoli Parr MN, Boroshok AL, Cheng SK, Girard A, Raphael C, et al. Integrating the Attachment, Regulation, and Competency Trauma-Informed Framework in Inpatient, Day Treatment, Partial Hospitalization, and Residential Treatment Settings. <i>Child Adolesc Psychiatr Clin N Am.</i> 2024;33(4):627-43. Available from: https://doi.org/10.1016/j.chc.2024.02.006 .	Wrong study design
Werbart A, Forsstrom D, Jeanneau M. Long-term outcomes of psychodynamic residential treatment for severely disturbed young adults: a naturalistic study at a Swedish therapeutic community. <i>Nord J Psychiatry.</i> 2012;66(6):367-75. Available from: https://doi.org/10.3109/08039488.2012.654508 .	Wrong population
Wieman DA, Camacho-Gonsalves T, Huckshorn KA, Leff S. Multisite study of an evidence-based practice to reduce seclusion and restraint in psychiatric inpatient facilities. <i>Psychiatr Serv.</i> 2014;65(3):345-51. Available from: https://doi.org/10.1176/appi.ps.201300210 .	Wrong population
Wiglesworth S, Farnworth L. An Exploration of the Use of a Sensory Room in a Forensic Mental Health Setting: Staff and Patient Perspectives. <i>Occup Ther Int.</i>	Wrong population

2016;23(3):255-64. Available from: https://doi.org/10.1002/oti.1428 .	
Wijk H, Degl' Innocenti A, Kullgren A, Alexiou E. Evidence-Based Design Has a Sustainable Positive Effect on Patients' Perceptions of Quality of Care in Forensic Psychiatry: A 3-Year Follow-Up Study. J Forensic Nurs. 2019;15(1):60-8. Available from: https://doi.org/10.1097/JFN.0000000000000226 .	Wrong population
Wilson C, Rouse L, Rae S, Kar Ray M. Is restraint a 'necessary evil' in mental health care? Mental health inpatients' and staff members' experience of physical restraint. Int J Ment Health Nurs. 2017;26(5):500-12. Available from: https://doi.org/10.1111/inm.12382 .	Wrong population
Wilson C, Rouse L, Rae S, Kar Ray M. Mental health inpatients' and staff members' suggestions for reducing physical restraint: A qualitative study. J Psychiatr Ment Health Nurs. 2018;25(3):188-200. Available from: https://doi.org/10.1111/jpm.12453 .	Wrong population
Wilson H, Barton L, Maguire T. Implementation of anger management interventions in a psychiatric intensive care unit. J Psychiatr Intensive Care. 2010;7(01):35-9. Available from: https://doi.org/10.1017/s1742646410000208 .	Wrong population
Witte L. Reducing the use of seclusion and restraint. A Michigan provider reduced its use of seclusion and restraint by 93% in one year on its child and adolescent unit. Behav Healthc. 2008;28(4):54, 6-7.	Wrong publication type
Wockel L, Rung D, Bachmann S, Dietschi H, Wild D. [Lino Castle - An interior design concept to improve inpatient treatment in child and adolescent psychiatry]. Z Kinder Jugendpsychiatr Psychother. 2019;47(1):19-26. Available from: https://doi.org/10.1024/1422-4917/a000641 .	Wrong language
Wright L, Bennett S, Meredith P, Doig E. Planning for Change: Co-Designing Implementation Strategies to Improve the Use of Sensory Approaches in an Acute Psychiatric Unit. Issues Ment Health Nurs. 2023;44(10):960-73. Available from: https://doi.org/10.1080/01612840.2023.2236712 .	Wrong population
Wullschlegel A, Vandamme A, Mielau J, Stoll L, Heinz A, Bermpohl F, et al. Effect of standardized post-coercion review on subjective coercion: Results of a randomized-	Wrong population

controlled trial. Eur Psychiatry. 2021;64(1):e78. Available from: https://doi.org/10.1192/j.eurpsy.2021.2256 .	
Wyder M, Bland R, Blythe A, Matarasso B, Crompton D. Therapeutic relationships and involuntary treatment orders: service users' interactions with health-care professionals on the ward. Int J Ment Health Nurs. 2015;24(2):181-9. Available from: https://doi.org/10.1111/inm.12121 .	Wrong population
Yan DH, Jeon A, Ng Y, Rivera A, Donnelly L, Baker L, et al. Decreasing Agitation in Neurodiverse Patients with Mental Health Concerns. J Autism Dev Disord. 2024. Available from: https://doi.org/10.1007/s10803-024-06690-y .	Wrong setting
Yoga Ratnam KK, Nik Farid ND, Yakub NA, Dahlui M. The Effectiveness of the Super Skills for Life (SSL) Programme in Promoting Mental Wellbeing among Institutionalised Adolescents in Malaysia: An Interventional Study. Int J Environ Res Public Health. 2022;19(15). Available from: https://doi.org/10.3390/ijerph19159324 .	Wrong outcomes
Yurtbasi MK, Gordon M, Pavlou C, Melvin G. Staff Perspectives: Why are adolescent inpatients secluded and what causes changes in rates of seclusion on a unit? Child Adolesc Ment Health. 2024;29(4):355-62. Available from: https://doi.org/10.1111/camh.12729 .	Wrong intervention
Yurtbasi MK, Melvin G, Pavlou C, Gordon M. Nurse and patient factors: Predicting seclusion in adolescent psychiatric units. J Child Adolesc Psychiatr Nurs. 2021;34(2):112-9. Available from: https://doi.org/10.1111/jcap.12306 .	Wrong study design
Yurtbasi MK, Melvin G, Pavlou C, Gordon M. Staff perspectives on the effects of seclusion in adolescent psychiatric inpatient care. Int J Ment Health Nurs. 2023;32(2):567-78. Available from: https://doi.org/10.1111/inm.13102 .	Wrong intervention
Zaalberg A, Nijman H, Bulten E, Stroosma L, van der Staak C. Effects of nutritional supplements on aggression, rule-breaking, and psychopathology among young adult prisoners. Aggress Behav. 2010;36(2):117-26. Available from: https://doi.org/10.1002/ab.20335 .	Wrong outcomes

Zerbe PS, Schulz E, Dixius A, Korner M. [The desire and the experience of participation among children and adolescents in inpatient mental healthcare]. Z Kinder Jugendpsychiatr Psychother. 2021;49(5):213-26. Available from: https://doi.org/10.1024/1422-4917/a000797 .	Wrong language
Zhao Z, Yu X, Ren Z, Zhang L, Li X. The remediating effect of Attention Bias Modification on aggression in young offenders with antisocial tendency: A randomized controlled trial. J Behav Ther Exp Psychiatry. 2022;75:101711. Available from: https://doi.org/10.1016/j.jbtep.2021.101711 .	Wrong outcomes
Zoromski AK, Ciesielski HA, Tamm L, Epstein JN, Vaughn A, Sidol C, et al. Strategies to Avoid Physical Restraint in the Summer Treatment Program. Evidence-Based Practice in Child and Adolescent Mental Health. 2024;1-15. Available from: https://doi.org/10.1080/23794925.2024.2392228 .	Wrong setting

1.1 Studies with high risk of bias

Albers C, Nair N, Shankar R. Antipsychotics in Inpatient Children and Adolescents with Seclusion and Restraint: A Preliminary Exploratory Retrospective Chart Review. J Child Adolesc Psychopharmacol. 2021;31(5):358-63. Available from: https://doi.org/10.1089/cap.2020.0055 .
Bellonci C, Huefner JC, Griffith AK, Vogel-Rosen G, Smith GL, Preston S. Concurrent reductions in psychotropic medication, assault, and physical restraint in two residential treatment programs for youth. Child Youth Serv Rev. 2013;35(10):1773-9. Available from: https://doi.org/10.1016/j.chilcyouth.2013.08.007 .
Black V, Bobier C, Thomas B, Prest F, Ansley C, Loomes B, et al. Reducing seclusion and restraint in a child and adolescent inpatient area: implementation of a collaborative problem-solving approach. Australas Psychiatry. 2020;28(5):578-84. Available from: https://doi.org/10.1177/1039856220917081 .
Bonnell W, Alatishe YA, Hofner A. The effects of a changing culture on a child and adolescent psychiatric inpatient unit. J Can Acad Child Adolesc Psychiatry. 2014;23(1):65-9.
Corsello RM, Hayes BE. "When Can I Call Home?" Coercive Control, Structural Isolation, and Functional Isolation Among Attendees of Residential Behavioral Modification Programs. J Interpers Violence. 2024;39(13-14):2933-58. Available from: https://doi.org/10.1177/08862605231222878 .
Deveau R, Leitch S. The impact of restraint reduction meetings on the use of restrictive physical interventions in English residential services for children and young people. Child Care Health Dev. 2015;41(4):587-92. Available from: https://doi.org/10.1111/cch.12193 .

Heffernan S, O'Malley M, Curtin M, Hawkins A, Murphy R, Goodwin J, et al. An evaluation of a trauma-informed educational intervention to enhance therapeutic engagement and reduce coercive practices in a child and adolescent inpatient mental health unit. <i>Int J Ment Health Nurs</i> . 2024;33(4):978-91. Available from: https://doi.org/10.1111/inm.13299 .
Lundy H, McGuffin P. Using dance/movement therapy to augment the effectiveness of therapeutic holding with children. <i>J Child Adolesc Psychiatr Nurs</i> . 2005;18(3):135-45. Available from: https://doi.org/10.1111/j.1744-6171.2005.00023.x .
Mackinnon J, Jakob P, Kustner C. Staff experiences of using non-violent resistance in a residential care home for young people with high-risk behaviours. <i>J Fam Ther</i> . 2022;45(4):444-58. Available from: https://doi.org/10.1111/1467-6427.12423 .
Magnowski SR, Cleveland S. The Impact of Milieu Nurse-Client Shift Assignments on Monthly Restraint Rates on an Inpatient Child/Adolescent Psychiatric Unit. <i>J Am Psychiatr Nurses Assoc</i> . 2020;26(1):86-91. Available from: https://doi.org/10.1177/1078390319834358 .
McDonnell MG, Tarantino J, Dubose AP, Matestic P, Steinmetz K, Galbreath H, et al. A Pilot Evaluation of Dialectical Behavioural Therapy in Adolescent Long-Term Inpatient Care. <i>Child Adolesc Ment Health</i> . 2010;15(4):193-6. Available from: https://doi.org/10.1111/j.1475-3588.2010.00569.x .
McIntyre K. Evaluation of a DBT group within Adolescent Residential Care. <i>Scottish Journal of Residential Child Care</i> . 2020;19(1).
Reynolds EK, Grados MA, Praglowski N, Hankinson JC, Parrish C, Ostrander R. Implementation of Modified Positive Behavioral Interventions and Supports in a youth psychiatric partial hospital program. <i>J Patient Saf Risk Manag</i> . 2018;24(2):64-70. Available from: https://doi.org/10.1177/2516043518811758 .
van Wijk-Herbrink MF, Arntz A, Broers NJ, Roelofs J, Bernstein DP. A Schema Therapy Based Milieu in Secure Residential Youth Care: Effects on Aggression, Group Climate, Repressive Staff Interventions, and Team Functioning. <i>Resid Treat Child Youth</i> . 2019;38(3):289-306. Available from: https://doi.org/10.1080/0886571x.2019.1692758 .
Wisdom JP, Wenger D, Robertson D, Van Bramer J, Sederer LI. The New York State Office of Mental Health Positive Alternatives to Restraint and Seclusion (PARS) Project. <i>Psychiatr Serv</i> . 2015;66(8):851-6. Available from: https://doi.org/10.1176/appi.ps.201400279 .

2 Prevalence

2.1 Studies excluded on grounds of relevance

Study	Reason for exclusion
Abry F, Gorwood P, Hanachi M, Di Lodovico L. Longitudinal investigation of patients receiving involuntary treatment for extremely severe anorexia	Wrong outcomes

nervosa. Eur Eat Disord Rev. 2024;32(2):179-87. Available from: https://doi.org/10.1002/erv.3033	
Allen DE, Fetzer SJ, Cummings KS. Decreasing Duration of Mechanical Restraint Episodes by Increasing Registered Nurse Assessment and Surveillance in an Acute Psychiatric Hospital. J Am Psychiatr Nurses Assoc. 2020;26(3):245-9. Available from: https://doi.org/10.1177/1078390319878776	Wrong study design
Andersen TH, Kappers D, Sneider B, Uggerby P, Nielsen J. Involuntary treatment of schizophrenia patients 2004-2010 in Denmark. Acta Psychiatr Scand. 2014;129(4):312-9. Available from: https://doi.org/10.1111/acps.12144	Wrong outcomes
Barnett BS, Kusunzi V, Magola L, Borba CP, Udedi M, Kulisewa K, et al. Factors associated with the use of seclusion in an inpatient psychiatric unit in Lilongwe, Malawi. Malawi Med J. 2018;30(3):197-204. Available from: https://doi.org/10.4314/mmj.v30i3.12	Wrong outcomes
Barr L, Heslop K, Wynaden D, Albrecht M. Nursing staff composition and its influence on seclusion in an adult forensic mental health inpatient setting: The truth about numbers. Arch Psychiatr Nurs. 2022;41:333-40. Available from: https://doi.org/10.1016/j.apnu.2022.09.011	Wrong exposure
Bramesfeld A, Roding D. [The Impact of Treatment Volumes of Psychiatric Clinics on the Risk for Applying Seclusion or Restraint]. Psychiatr Prax. 2023;50(3):122-7. Available from: https://doi.org/10.1055/a-1914-8459	Wrong outcomes
Di Lorenzo R, Baraldi S, Ferrara M, Mimmi S, Rigatelli M. Physical restraints in an Italian psychiatric ward: clinical reasons and staff organization problems. Perspect Psychiatr Care. 2012;48(2):95-107. Available from: https://doi.org/10.1111/j.1744-6163.2011.00308.x	Wrong outcomes
Flammer E, Frank U, Steinert T. Freedom Restrictive Coercive Measures in Forensic Psychiatry. Front Psychiatry. 2020;11:146. Available from: https://doi.org/10.3389/fpsy.2020.00146	Wrong outcomes
Flammer E, Steinert T. [Impact of the Temporaneous Lack of Legal Basis for Involuntary Treatment on the Frequency of Aggressive Incidents, Seclusion and Restraint among Patients with Chronic Schizophrenic	Wrong language

Disorders]. Psychiatr Prax. 2015;42(5):260-6. Available from: https://doi.org/10.1055/s-0034-1370069	
Fukasawa M, Miyake M, Suzuki Y, Fukuda Y, Yamanouchi Y. Relationship between the use of seclusion and mechanical restraint and the nurse-bed ratio in psychiatric wards in Japan. Int J Law Psychiatry. 2018;60:57-63. Available from: https://doi.org/10.1016/j.ijlp.2018.08.001	Wrong outcomes
Hotzy F, Moetteli S, Theodoridou A, Schneeberger AR, Seifritz E, Hoff P, et al. Clinical course and prevalence of coercive measures: an observational study among involuntarily hospitalised psychiatric patients. Swiss Med Wkly. 2018;148:w14616. Available from: https://doi.org/10.4414/smw.2018.14616	Wrong outcomes
Husum TL, Bjorngaard JH, Finset A, Ruud T. A cross-sectional prospective study of seclusion, restraint and involuntary medication in acute psychiatric wards: patient, staff and ward characteristics. BMC Health Serv Res. 2010;10:89. Available from: https://doi.org/10.1186/1472-6963-10-89	Wrong outcomes
Ifteni P, Szalontay AS, Teodorescu A. Reducing Restraint With Clozapine in Involuntarily Admitted Patients With Schizophrenia. Am J Ther. 2017;24(2):e222-e6. Available from: https://doi.org/10.1097/MJT.0000000000000533	Wrong outcomes
Jungfer HA, Schneeberger AR, Borgwardt S, Walter M, Vogel M, Gairing SK, et al. Reduction of seclusion on a hospital-wide level: successful implementation of a less restrictive policy. J Psychiatr Res. 2014;54:94-9. Available from: https://doi.org/10.1016/j.jpsychires.2014.03.020	Wrong outcomes
Khadivi AN, Patel RC, Atkinson AR, Levine JM. Association between seclusion and restraint and patient-related violence. Psychiatr Serv. 2004;55(11):1311-2. Available from: https://doi.org/10.1176/appi.ps.55.11.1311	Wrong outcomes
Kuivalainen S, Vehvilainen-Julkunen K, Louheranta O, Putkonen A, Repo-Tiihonen E, Tiihonen J. Seasonal variation of hospital violence, seclusion and restraint in a forensic psychiatric hospital. Int J Law Psychiatry. 2017;52:1-6. Available from: https://doi.org/10.1016/j.ijlp.2017.05.004	Wrong outcomes

Kuronen M, Kautiainen H, Karppi P, Hartikainen S, Koponen H. Physical restraints and associations with neuropsychiatric symptoms and personal characteristics in residential care: a cross-sectional study. <i>Int J Geriatr Psychiatry</i> . 2017;32(12):1418-24. Available from: https://doi.org/10.1002/gps.4629	Wrong patient population
Lepping P, Masood B, Flammer E, Noorthoorn EO. Comparison of restraint data from four countries. <i>Soc Psychiatry Psychiatr Epidemiol</i> . 2016;51(9):1301-9. Available from: https://doi.org/10.1007/s00127-016-1203-x	Wrong study design
Linkhorst T, Birkeland SF, Gildberg FA, Mainz J, Torp-Pedersen C, Boggild H. Use of the least intrusive coercion at Danish psychiatric wards: A register-based cohort study of 131,632 first and subsequent coercive episodes within 35,812 admissions. <i>Int J Law Psychiatry</i> . 2022;85:101838. Available from: https://doi.org/10.1016/j.ijlp.2022.101838	Wrong outcomes
Mac Donald B, Bulik CM, Larsen JT, Carlsen AH, Clausen L, Petersen LV. Involuntary treatment in patients with anorexia nervosa: utilization patterns and associated factors. <i>Psychol Med</i> . 2023;53(5):1999-2007. Available from: https://doi.org/10.1017/S003329172100372X	Wrong outcomes
Mann-Poll PS, Smit A, Noorthoorn EO, Janssen WA, Koekkoek B, Hutschemaekers GJM. Long-Term Impact of a Tailored Seclusion Reduction Program: Evidence for Change? <i>Psychiatr Q</i> . 2018;89(3):733-46. Available from: https://doi.org/10.1007/s11126-018-9571-x	Wrong outcomes
McLaughlin P, Giacco D, Priebe S. Use of Coercive Measures during Involuntary Psychiatric Admission and Treatment Outcomes: Data from a Prospective Study across 10 European Countries. <i>PLoS One</i> . 2016;11(12):e0168720. Available from: https://doi.org/10.1371/journal.pone.0168720	Wrong outcomes
Misawa F, Suzuki T, Fujii Y. Effect of Clozapine vs Other Second-Generation Antipsychotics on Hospitalization and Seclusion: A Retrospective Mirror-Image Study in a Japanese Public Psychiatric Hospital. <i>J Clin Psychopharmacol</i> . 2017;37(6):664-8. Available from: https://doi.org/10.1097/JCP.0000000000000798	Wrong outcomes
Noorthoorn E, Lepping P, Janssen W, Hoogendoorn A, Nijman H, Widdershoven G, et al. One-year incidence and prevalence of seclusion: Dutch findings in an	Wrong outcomes

international perspective. Soc Psychiatry Psychiatr Epidemiol. 2015;50(12):1857-69. Available from: https://doi.org/10.1007/s00127-015-1094-2	
Raboch J, Kalisova L, Nawka A, Kitzlerova E, Onchev G, Karastergiou A, et al. Use of coercive measures during involuntary hospitalization: findings from ten European countries. Psychiatr Serv. 2010;61(10):1012-7. Available from: https://doi.org/10.1176/ps.2010.61.10.1012	Wrong outcomes
Steinert T, Hirsch S, Flammer E. [Effects of the Decision of the German Constitutional Court on mechanical restraint in 2018 : Coercive measures in the psychiatric hospitals in Baden-Wuerttemberg in 2019 compared to the years 2015-2017]. Nervenarzt. 2022;93(7):706-12. Available from: https://doi.org/10.1007/s00115-022-01267-5	Wrong language
Terrell C, Brar K, Nuss S, El-Mallakh RS. Resource Utilization with the Use of Seclusion and Restraint in a Dedicated Emergency Psychiatric Service. South Med J. 2018;111(11):703-5. Available from: https://doi.org/10.14423/SMJ.0000000000000885	Wrong outcomes
Thorstensen E, Jonsson BG, Bragadottir H. [Involuntary medication in psychiatric units at Landspítali University Hospital in the years 2014-2018]. Laeknabladid. 2023;109(4):179-85. Available from: https://doi.org/10.17992/lbl.2023.04.738	Wrong language
Tuohimäki C, Kaltiala-Heino R, Korkeila J, Tuori T, Lehtinen V, Joukamaa M. The use of harmful to others-criterion for involuntary treatment in Finland. Eur J Health Law. 2003;10(2):183-99. Available from: https://doi.org/10.1163/092902703769681614	Wrong year
Valimäki M, Lantta T, Anttila M, Vahlberg T, Normand SL, Yang M. An Evidence-Based Educational Intervention for Reducing Coercive Measures in Psychiatric Hospitals: A Randomized Clinical Trial. JAMA Netw Open. 2022;5(8):e2229076. Available from: https://doi.org/10.1001/jamanetworkopen.2022.29076	Wrong outcomes
van Heesch B, Boucke J, De Somer J, Dekkers I, Jacob E, Jeandarme I. The use of coercive measures in a high security setting in Belgium: Prevalence and risk factors. Int J Law Psychiatry. 2022;82:101792. Available from: https://doi.org/10.1016/j.ijlp.2022.101792	Wrong outcomes

Verlinde AA, Snelleman W, van den Berg H, Noorthoorn EO. [Involuntary medication as the intervention of choice: can this be regarded as 'substitution' or as a preventive measure? a prospective cohort study]. Tijdschr Psychiatr. 2014;56(10):640-8.	Wrong language
Yang CP, Hargreaves WA, Bostrom A. Association of empathy of nursing staff with reduction of seclusion and restraint in psychiatric inpatient care. Psychiatr Serv. 2014;65(2):251-4. Available from: https://doi.org/10.1176/appi.ps.201200531	Wrong outcomes

2.2 Studies with high risk of bias

Czernin K, Brundlmayer A, Baumgartner JS, Plener PL. Space for youth mental health-coercive measure use before and after architectural innovation at a department of child and adolescent psychiatry. Child Adolesc Ment Health. 2024;29(4):333-9. Available from: https://doi.org/10.1111/camh.12690 .
Geissler JM, Werner E, Dworschak W, Romanos M, Ratz C. German Law Reform Does Not Reduce the Prevalence of Coercive Measures in Residential Institutions for Children, Adolescents, and Young Adults With Intellectual and Developmental Disabilities. Front Psychiatry. 2021;12:765830. Available from: https://doi.org/10.3389/fpsy.2021.765830 .
Korezelidou A, Welte A, Oster A, Mahler L. Overcoming the lack of alternatives - Changes in the use of coercive measures after implementation of the recovery-oriented "Wedding Model" in acute psychiatric care. J Psychiatr Res. 2025;181:405-10. Available from: https://doi.org/10.1016/j.jpsychires.2024.11.032 .
Noorthoorn EO, Voskes Y, Janssen WA, Mulder CL, van de Sande R, Nijman HL, et al. Seclusion Reduction in Dutch Mental Health Care: Did Hospitals Meet Goals? Psychiatr Serv. 2016;67(12):1321-7. Available from: https://doi.org/10.1176/appi.ps.201500414 .
Stensgaard L, Andersen MK, Nordentoft M, Hjorthoj C. Implementation of the safeguards model to reduce the use of coercive measures in adult psychiatric inpatient units: An interrupted time-series analysis. J Psychiatr Res. 2018;105:147-52. Available from: https://doi.org/10.1016/j.jpsychires.2018.08.026 .

3 Health economics

3.1 Studies excluded on grounds of relevance or other reason

Study	Reason for exclusion
Barrett B, Waheed W, Farrelly S, Birchwood M, Dunn G, Flach C, et al. Randomised Controlled Trial of Joint Crisis Plans to Reduce Compulsory Treatment for People with	Wrong population

Psychosis: Economic Outcomes. PLoS ONE. 2013;8(11):1-11. Available from: https://doi.org/10.1371/journal.pone.0074210	
Flood C, Bowers L, Parkin D. Estimating the Costs of Conflict and Containment On Adult Acute Inpatient Psychiatric Wards. Nursing Economics. 2008;26(5):325-4.	Wrong population
Freeman DJ, DiPaula BA, Love RC. Intramuscular Haloperidol versus Intramuscular Olanzapine for Treatment of Acute Agitation: A Cost-Minimization Study. Pharmacotherapy. 2009;29(8):930-6. Available from: https://doi.org/10.1592/phco.29.8.930	Wrong population
Haga E, Aas E, Grøholt B, Tørmoe AJ, Mehlum L. Cost-effectiveness of dialectical behaviour therapy vs. enhanced usual care in the treatment of adolescents with self-harm. Child and Adolescent Psychiatry and Mental Health. 2018;12(1). Available from: https://doi.org/10.1186/s13034-018-0227-2	Wrong setting
Hirsch S, Flammer E, Steinert T. Estimating costs of bedside assessment by a judge in each case of mechanical restraint in Germany after new legislation. Frontiers in Psychiatry. 2023;14. Available from: https://doi.org/10.3389/fpsyt.2023.1291130	Wrong setting
Kartha MR, McCrone P. Cost-effectiveness of staffing levels on conflict and containment on psychiatric wards in England. Journal of Psychiatric & Mental Health Nursing (John Wiley & Sons, Inc). 2019;26(9/10):337-46. Available from: https://doi.org/10.1111/jpm.12545	Wrong population
Lambert M, Schottle D, Sengutta M, Ruppelt F, Rohenkohl A, Luedecke D, et al. Early detection and integrated care for adolescents and young adults with severe psychotic disorders: rationales and design of the Integrated Care in Early Psychosis Study (ACCESS III). Early intervention in psychiatry. 2018;12(1):96-106. Available from: https://doi.org/10.1111/eip.12361	Wrong outcome
LeBel J, Goldstein R. The economic cost of using restraint and the value added by restraint reduction or elimination. Psychiatric Services. 2005;56(9):1109-14. Available from: http://doi.org/10.1176/appi.ps.56.9.1109	Low study quality with respect to economic aspects Low transferability to the Swedish context
Lee TG, Walker SC, Bishop AS. The impact of psychiatric practice guidelines on medication costs and youth aggression in a juvenile justice residential treatment	Wrong study design

program. Psychiatric Services. 2016;67(2):214-20. Available from: https://doi.org/10.1176/appi.ps.201400544	
McCrone P, Johnson S, Nolan F, Pilling S, Sandor A, Houlst J, et al. Economic evaluation of a crisis resolution service: a randomised controlled trial. Epidemiologia e psichiatria sociale. 2009;18(1):54-8. Available from: https://doi.org/10.1017/s1121189x00001469	Wrong population
Priebe S, Bhatti N, Barnicot K, Bremner S, Gaglia A, Katsakou C, et al. Effectiveness and Cost-Effectiveness of Dialectical Behaviour Therapy for Self-Harming Patients with Personality Disorder: A Pragmatic Randomised Controlled Trial. Psychotherapy & Psychosomatics. 2012;81(6):356-65. Available from: https://doi.org/10.1159/000338897	Wrong population
Sanders K. The effects of an action plan, staff training, management support and monitoring on restraint use and costs of work-related injuries. Journal of Applied Research in Intellectual Disabilities. 2009;22(2):216-20. Available from: https://doi.org/10.1111/j.1468-3148.2008.00491.x	Wrong population
Tebbett-Mock AA, Saito E, McGee M, Woloszyn P, Venuti M. Efficacy of Dialectical Behavior Therapy Versus Treatment as Usual for Acute-Care Inpatient Adolescents. Journal of the American Academy of Child & Adolescent Psychiatry. 2020;59(1):149-56. Available from: https://doi.org/10.1016/j.jaac.2019.01.020	Low study quality with respect to economic aspects