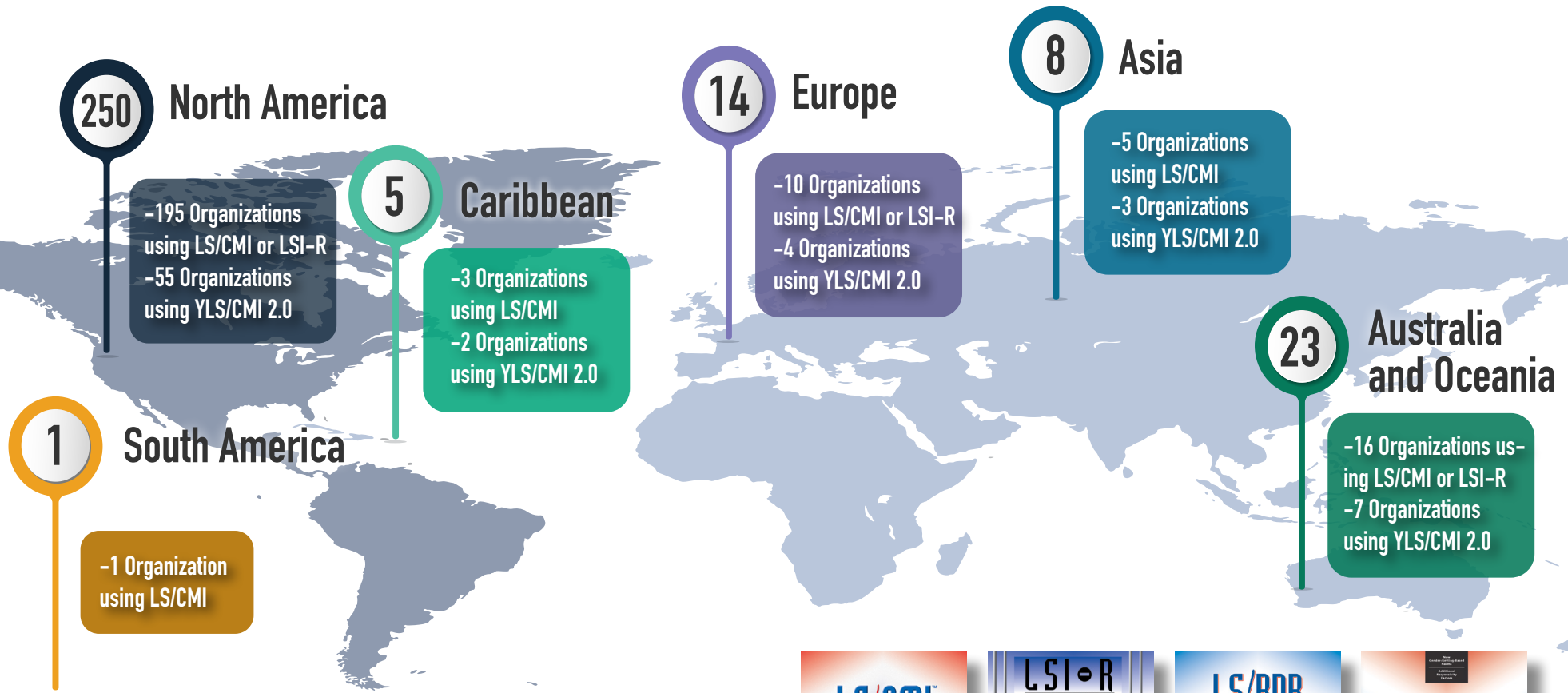


# The Level of Service Tools Are Among the Most Extensively Researched Risk/Needs Assessment Instruments Worldwide.



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# Level of Service Suite – Predictive Validity Study Highlights

The list below is not a comprehensive overview of all predictive validity research on the Level of Service suite. Consider these as examples of published predictive validity research for the Level of Service assessments globally.



Canada

Andrews, D. A., Guzzo, L., Raynor, P., Rowe, R. C., Rettinger, L. J., Brews, A., & Wormith, J. S. (2012). Are the Major Risk/Need Factors Predictive of Both Female and Male Reoffending?: A Test With the Eight Domains of the Level of Service/Case Management Inventory. *International Journal of Offender Therapy and Comparative Criminology*, 56(1), 113–133. <https://doi.org/10.1177/0306624X10395716>

#### **Atlantic Canada:**

Dyck, H. L., Campbell, M. A., & Wershler, J. L. (2018). Real-world use of the risk–need–responsivity model and the level of service/case management inventory with community-supervised offenders. *Law and Human Behavior*, 42(3), 258–268. <https://doi.org/10.1037/lhb0000279>

#### **Ontario:**

Wormith, J. S., Hogg, S., & Guzzo, L. (2012). The Predictive Validity of a General Risk/Needs Assessment Inventory on Sexual Offender Recidivism and an Exploration of the Professional Override. *Criminal Justice and Behavior*, 39(12), 1511–1538. <https://doi.org/10.1177/0093854812455741>

#### **Quebec**

Giguère, G., Hamidi, N., Bourassa, C., & Brouillette-Alarie, S. (2026). Assessing Cultural Bias in Recidivism Risk Tools: Differential Item Functioning and Predictive Validity of the ORAC-PCQ and LS/CMI Among Indigenous and Non-Indigenous Men in Quebec's Correctional System. *Race and Justice*, <https://doi.org/10.1177/21533687261419431>

Bilodeau, M. (2025). *Évaluation des propriétés psychométriques de la version francophone du YLS/CMI 2.0 au Québec (Doctoral dissertation, Université du Québec en Outaouais)*. Bilodeau\_Mireille\_2025\_memoire\_A.pdf

Giguère, G., Brouillette-Alarie, S., & Bourassa, C. (2023). A Look at the Difficulty and Predictive Validity of LS/CMI Items With Rasch Modeling. *Criminal Justice and Behavior*, 50(1), 118–138. <https://doi.org/10.1177/00938548221131956>

#### **Saskatchewan:**

Olver, M. E., Stockdale, K. C., & Wong, S. C. P. (2012). Short and long-term prediction of recidivism using the youth level of service/case management inventory in a sample of serious young offenders. *Law and Human Behavior*, 36(4), 331–344. <https://doi.org/10.1037/h0093927>



# Level of Service Suite – Predictive Validity Study Highlights



United  
States

**Iowa:**

Vose, B., Smith, P., & Cullen, F. T. (2013). Predictive Validity and the Impact of Change in Total LSI-R Score on Recidivism. *Criminal Justice and Behavior*, 40(12), 1383-1396. <https://doi.org/10.1177/0093854813508916>

**Nebraska:**

Jimenez, A. C., Delgado, R. H., Vardsveen, T. C., & Wiener, R. L. (2018). Validation and Application of the LS/CMI in Nebraska Probation. *Criminal Justice and Behavior*, 45(6), 863-884. <https://doi.org/10.1177/0093854818763231>

**Pennsylvania:**

Kelly, C. E., & Welsh, W. N. (2008). The predictive validity of the Level of Service Inventory-Revised for drug-involved offenders. *Criminal Justice and Behavior*, 35(7), 819-831. <https://doi.org/10.1177/0093854808316642>

**Texas:**

Marshall, E. A., Miller, H. A., & Grubb, L. (2022). Examining the Utility of the LSI-R in a Sample of Women who have Sexually Offended. *Criminal Justice and Behavior*, 49(3), 311-329. <https://doi.org/10.1177/00938548211054031>

**Washington:**

Manchak, S. M., Skeem, J. L., Douglas, K. S., & Siranosian, M. (2009). Does Gender Moderate the Predictive Utility of the Level of Service Inventory—Revised (LSI-R) for Serious Violent Offenders? *Criminal Justice and Behavior*, 36(5), 425-442. <https://doi.org/10.1177/0093854809333058>

**West Virginia**

Orsini, M. M., Haas, S. M., & Spence, D. H. (2015). *Predicting Recidivism of Offenders Released from the West Virginia Division of Corrections: Validation of the Level of Service/Case Management Inventory*. Office of Research and Strategic Planning, Criminal Justice Statistical Analysis Center. <https://das.wv.gov/JCS/ORSP/SAC/Publications/Documents/JCEBP%20LSCMI%20Validation%20DOC%202015.pdf>



# Level of Service Suite – Predictive Validity Study Highlights



## Australia

### Australia:

Dunne, A. L., Simmons, M., Papalia, N., Spivak, B., Ruffles, J., Oglloff, J. R., & Fullam, R. (2025). Validity of the LSI-R: SV, LS/RNR and VRS risk assessment instruments in a sample of male serious violent offenders in Australia. *Psychology, Crime & Law*, 1-25. <https://doi.org/10.1080/1068316X.2025.2470272>

Coulter, D. J., & Lloyd, C. D. (2024). Using a reassessment framework to determine critical case management needs: DRAOR improves on LS/RNR's predictive discrimination of short-term recidivism. *Psychology, Crime & Law*, 30(9), 1180-1200. <https://doi.org/10.1080/1068316X.2023.2166506>

Papalia, N., Simmons, M., Ruffles, J., Spivak, B., Dunne, A., Fullam, R., & Oglloff, J. R. (2024). Discriminative and predictive validity of risk assessment measures for women incarcerated for serious violent offences in Australia. *Psychiatry, Psychology and Law*, 31(5), 963-985. <https://doi.org/10.1080/13218719.2023.2242437>

Dellar, K., Roberts, L., Bullen, J., Downe, K., & Kane, R. (2023). Validation of the YLS/CMI on an Australian Juvenile Offending Population. *International Journal of Offender Therapy and Comparative Criminology*, 67(8), 861-883. <https://doi.org/10.1177/0306624X221086556>

McGrath, A. J., Thompson, A. P., & Goodman-Delahunty, J. (2018). Differentiating Predictive Validity and Practical Utility for the Australian Adaptation of the Youth Level of Service/Case Management Inventory. *Criminal Justice and Behavior*, 45(6), 820-839. <https://doi.org/10.1177/0093854818762468>

Ferguson, A. M., Oglloff, J. R. P., & Thomson, L. (2009). Predicting Recidivism by Mentally Disordered Offenders Using the LSI-R:SV. *Criminal Justice and Behavior*, 36(1), 5-20. <https://doi.org/10.1177/0093854808326525>



## China

### China:

Zhang, J. (2016). Testing the Predictive Validity of the LSI-R Using a Sample of Young Male Offenders on Probation in Guangzhou, China. *International Journal of Offender Therapy and Comparative Criminology*, 60(4), 456-468. <https://doi.org/10.1177/0306624X14557471>

Zhang, J., & Liu, N. (2015). Reliability and Validity of the Chinese Version of the LSI-R With Probationers. *International Journal of Offender Therapy and Comparative Criminology*, 59(13), 1474-1486. <https://doi.org/10.1177/0306624X14538396>



# Level of Service Suite – Predictive Validity Study Highlights



## Denmark:

Larsen, B. Ø., Larsen, K. S., & Berger, N. P. (2025). High-or low-risk prisoner, high-or low-risk ex-offender? Assessing the predictive validity of the level of service/risk-need-responsivity (LS/RNR) instrument among different subgroups of Danish prisoners. *European Journal of Criminology*, 22(2), 204-229. <https://doi.org/10.1177/14773708241276587>



## France:

Benbouriche, M. (2024). L'évaluation structurée du risque et des besoins criminogènes des personnes placées sous de main de justice à l'aide du LS/CMI: Une étude d'implantation et des effets au sein de la DISP de Dijon. <https://doi.org/10.13140/RG.2.2.13694.40009/1>

France

Bertsch, I., Guay, J.-P., Réveillère, C., Telle, E., Douceron, H., Dubuisson, M., Courtois, R., & Pham, T. (2023). An investigation of reliability and validity of the LS/CMI with French offenders. *L'Encéphale*, 49(5), 460-465. <https://doi.org/10.1016/j.encep.2022.05.003>



## Germany:

Streb, J., Franke, I., Steiner, I., Mayer, J., Wolf, V., Klein, V., & Dudeck, M. (2025). Die Vorhersage von Gewaltdelikten anhand der Prognoseinstrumente HCR-20 v3 (+ FAM) und LSI-R bei im Maßregelvollzug untergebrachten Frauen. *Forensische Psychiatrie, Psychologie, Kriminologie*, 19(1), 40-50. <https://link.springer.com/article/10.1007/s11757-024-00872-1>

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Dahle, K.-P. (2006). Strengths and limitations of actuarial prediction of criminal reoffence in a German prison sample: A comparative study of LSI-R, HCR-20 and PCL-R. *International Journal of Law and Psychiatry*, 29(5), 431-442. <https://doi.org/10.1016/j.ijlp.2006.03.001>



## Great Britain:

Rennie, C., & Dolan, M. (2010). Predictive validity of the youth level of service/case management inventory in custody sample in England. *Journal of Forensic Psychiatry & Psychology*, 21(3), 407-425. <https://doi.org/10.1080/14789940903452311>



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Sorge, A., Bianchi, G., Bonanomi, A., Bonta, J., & Saita, E. (2024). La valutazione del rischio di recidiva negli autori di reato. Analisi preliminare delle proprietà psicometriche della versione italiana del Level of Service/Case Management Inventory (LS/CMI). *Ricerche di Psicologia*, 46, 1-28. <https://journals.francoangeli.it/index.php/riboa/article/view/18304>

**Japan:**

Yamaoka, A., Kroner, D., Mori, T., & Takahashi, M. (2026). The Added Value of the YLS/CMI Subscales Beyond the Total Score Among Japanese Youth Offenders in Detention. *International Journal of Offender Therapy and Comparative Criminology*, 70(6-7), 742-769. <https://doi.org/10.1177/0306624X251369020>

Takahashi, M., Mori, T., & Kroner, D. G. (2013). A cross-validation of the Youth Level of Service/Case Management Inventory (YLS/CMI) among Japanese juvenile offenders. *Law and Human Behavior*, 37(6), 389–400. <https://doi.org/10.1037/lhb0000029>

**New Zealand:**

Botha, R., Davies, S. T., & Nichols, T. (2026). Psychometric Properties of the LS/CMI Among Men Under Correctional Supervision in New Zealand. *Criminal Justice and Behavior*. <https://doi.org/10.1177/00938548261428691>

**Norway:**

Kanestrøm, H., Hernæs, Ø. M., Stallvik, M., Lydersen, S., Skokauskas, N., & Kaasbøll, J. (2025). Do criminogenic needs matter in non-secure settings? Assessing change in dynamic risk factors during therapeutic residential care and the association with prediction and recidivism. *Crime & Delinquency*, 71(13-14), 4018-4041. <https://doi.org/10.1177/00111287251330776>

Kanestrøm, H., Stallvik, M., Lydersen, S., Skokauskas, N., Hoftun, S., Nilsen, C. K., & Kaasbøll, J. (2024). Criminogenic Risk Assessment Beyond Juvenile Justice: Exploring the Predictive Ability of the Youth Level of Service/Case Management Inventory (YLS/CMI) in Norway. *Criminal Justice and Behavior*, 51(7), 975–993. <https://doi.org/10.1177/00938548241237181>



# Level of Service Suite – Predictive Validity Study Highlights



## Pakistan:

Bhutta, M. H., & Wormith, J. S. (2016). An Examination of a Risk/Needs Assessment Instrument and Its Relation to Religiosity and Recidivism Among Probationers in a Muslim Culture. *Criminal Justice and Behavior*, 43(2), 204–229. <https://doi.org/10.1177/0093854815604011>



## Portugal:

Gouveia, C., Fernandes, D., Pratas, M., Macedo, M., Córias, J., Pral, C., Pinto, R., Bastos, M., Bento, A., Lagoa, T., Abrunhosa Gonçalves, R., & Caridade, S. (2024). Predictive Validity of the YLS/CMI in a Sample of Portuguese Young Offenders. *Crime & Delinquency*, <https://journals.sagepub.com/doi/10.1177/00111287241249732>



## Singapore:

Tsao, I. T., & Chu, C. M. (2021). An Exploratory Study of Recidivism Risk Assessment Instruments for Individuals Convicted of Sexual Offenses in Singapore. *Sexual Abuse*, 33(2), 157–175. <https://doi.org/10.1177/1079063219884575>

Chu, C. M., Yu, H., Lee, Y., & Zeng, G. (2014). The Utility of the YLS/CMI-SV for Assessing Youth Offenders in Singapore. *Criminal Justice and Behavior*, 41(12), 1437–1457. <https://doi.org/10.1177/0093854814537626>

Singapore



## Spain:

Gomis-Pomares, A., Villanueva, L., & Adrián, J. E. (2022). The Prediction of Youth Recidivism in a Spanish Roma Population by the Youth Level of Service/Case Management Inventory (YLS/CMI). *International Journal of Offender Therapy and Comparative Criminology*, 66(8), 791–806. <https://journals.sagepub.com/doi/10.1177/0306624X211022668>

Cuervo, K., Villanueva, L., & Basto-Pereira, M. (2020). Prediction of Youth and Adult Recidivism Among Spanish Juveniles Involved in Serious Offenses. *Criminal Justice and Behavior*, 47(4), 399–418. <https://doi.org/10.1177/0093854819897282>

Villanueva, L., Gomis-Pomares, A., & Adrián, J. E. (2019). Predictive Validity of the YLS/CMI in a Sample of Spanish Young Offenders of Arab Descent. *International Journal of Offender Therapy and Comparative Criminology*, 63(10), 1914–1930. <https://doi.org/10.1177/0306624X19834403>





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