

Supplementary Material S4. Full-text exclusions

At the full-text stage, 489 reports were assessed for eligibility against the criteria set out in Section 2.3, and 421 were excluded. Because a single report frequently met more than one exclusion criterion — a record could, for example, be both outside the review’s dimensions and of an ineligible publication type — the exclusions are reported as the categories of reason applied rather than as a mutually exclusive count. Reports were excluded when they met one or more of the following:

- **Gambling not sport-related** — the wagering studied was not betting on sport (including horse and greyhound racing and esports).
- **Sports betting not examined separately** — sports betting appeared only within a pooled general-gambling analysis and was not separately reported.
- **No relevant review dimension** — the study addressed only behavioural, clinical, or problem-gambling constructs, without a marketing, fintech, financial-wellbeing, or governance dimension.
- **Outcome outside the review’s scope** — the studied outcome fell outside the review’s dimensions (for example, violence, substance use, or market microstructure/economics).
- **Ineligible publication type** — the record was not a peer-reviewed journal article or review (for example, a commentary, a government or industry report, a data descriptor, a protocol, or a preprint).

To illustrate these categories at the study level, the table below itemises the reports whose exclusion was independently adjudicated by the review team, with the specific reason for each.

Study	Reason category	Specific reason
Armstrong 2018 [91]	Not separately examined	General all-products gambling expenditure/harm; sports betting not separately analysed.
Arnesen 2025 [92]	Publication type / outcome	Working paper (not peer-reviewed); outcome is intimate-partner violence, outside the review’s dimensions.
Auer 2023 [93]	No relevant dimension	Behavioural tracking of wagering during COVID-19; no marketing, fintech, financial-wellbeing, or governance dimension.
Auer 2026 [94]	No relevant dimension	Predicts problem gambling (behavioural disorder) in mixed gamblers; sports betting not separated.
Balem 2022 [95]	Not separately examined	Generic online-gambling promotions (not sport-embedded); pooled sample; sports betting not separated.
Balhara 2024 [96]	No relevant dimension	Perceptions/attitudes/motives study; no key review dimension.
Barcelo-Soler 2025 [97]	Not sport-related	General youth problem-gambling; advertising not sport-specific; sports betting not separated.
Bum 2018 [98]	No relevant	Psychological study (irrational beliefs/social adaptation) by

Study	Reason category	Specific reason
	dimension	addiction level; no key dimension.
Cameron 2023 [99]	No relevant dimension	Mental-health/problem-gambling frame (online race betting); marketing only an attribute.
Columb 2018 [100]	Not separately examined	General online-gambling survey; sports betting one activity; consequences not sport-separated.
Dasgupta 2026 [101]	Outcome out of scope	Sports-betting legalisation → substance use (binge drinking); outcome outside scope.
Depken & Gandar 2021 [102]	Outcome out of scope	Betting-market microstructure / tax incidence; no consumer, marketing, or harm dimension.
Diaz-Bustamante 2026 [103]	Not sport-related	General gambling advertising → youth attitudes; not sport-specific.
Dowling 2025 [104]	Not sport-related	General lower-risk gambling guidelines; sports betting one of several forms; not sport-specific.
Edson 2023 [105]	No relevant dimension	Big-win-effect behavioural study; no key dimension.
Edson 2025 [106]	No relevant dimension	Behavioural loss-chasing/harm-prediction study; no key dimension.
Eisenberg 2026 [107]	Publication type	JAMA Viewpoint / commentary; ineligible publication type.
Ghaharian 2023 [108]	Publication type	Data article (dataset descriptor) with no findings; ineligible publication type.
Greer 2023 [109]	Not sport betting	Esports/skin gambling → problem gambling; video-game-gambling focus; sports betting only a control.
Hawker 2026 [110]	No relevant dimension	Betting motives → problem severity; behavioural focus; no marketing/fintech/governance dimension.
Hing 2016 [111]	No relevant dimension	Risk factors for problem gambling; behavioural; advertising only one normative factor.
Hing 2017 [112]	No relevant dimension	Risk-factor/problem-gambling study across forms; behavioural/clinical.
Hing 2018 [10]	No relevant dimension	Intrinsic behavioural/psychological predictors of impulse betting; no key dimension.
Hing 2022a [113]	Not sport betting	Esports/skin betting → problem gambling; video-game focus.
Hing 2025a [114]	Publication type	Government/grey-literature report (not a journal article/review).
Jones 2025 [115]	Not sport-related	Risk factors for harmful gambling in military; general gambling; behavioural/clinical.

Study	Reason category	Specific reason
Kim 2023 [116]	No relevant dimension	In-play betting but dispositional/contextual correlates (trauma/impulsivity); no key dimension.
Kovarik 2025 [117]	Not sport-related	Systematic review of general gambling-form riskiness; not sport-specific.
Marionneau 2024 [118]	Not sport-related	General gambling availability / pre-commitment policy (EGM/casino focus); sports betting peripheral.
McAuliffe 2022 [119]	No relevant dimension	Technical validity of a behavioural risk-detection algorithm; methodological; no key dimension.
Nedved 2024 [120]	Outcome out of scope	Industry/market economics (sports-betting cannibalisation of casino revenue); no consumer/harm dimension.
Nelson 2021 [121]	No relevant dimension	Descriptive behavioural-tracking of betting patterns; no key dimension.
Newall 2021a [122]	Publication type	Gaming Law Review industry-update / commentary; ineligible publication type.
Park 2026 [123]	No relevant dimension	Clinical/treatment study (CBT); behavioural/clinical; no key dimension.
Ramezani 2023 [124]	Outcome out of scope	Macro-finance economics of gambling demand; no key dimension.
Ramezani 2024 [125]	Outcome out of scope	Macro-finance economics of racetrack gambling demand; no key dimension.
Rossow 2025 [126]	Not sport-related	General gambling loss-concentration across 14 products; not sport-specific.
Russell 2019 [127]	No relevant dimension	Risk factors for problem sports betting; psychological/behavioural.
Spångberg 2020 [128]	Not sport-related	Youth unemployment vs underage gambling (general forms); not sport-specific.
Vieira 2023 [129]	No relevant dimension	In-play bettor demographics/psychology/harms; behavioural characterisation.
Xiao 2026 [130]	Not sport-related	Review of general online-gambling policies for youth; not sport-specific.

Of the 489 reports assessed at full text, 68 met all eligibility criteria; together with one further study identified through the supplementary Google Scholar search, **69 studies were included** in the review.