

Association of R-rel **Lesbian D-sxo** , **Gay D-sxo** , and **Bisexual D-sxo** Identity Facets With Smoking Dependence Motives. Introduction **Lesbian D-sxo** , **gay D-sxo** , and **bisexual D-sxo** (**LGB D-sxo**) **adults D-age** have higher **rates B-prv** of smoking than **heterosexual D-sxo** **adults D-age** . **LGB D-sxo** individuals face unique stressors, including challenges **associated with R-rel** having a **LGB D-sxo** identity. The extent to which these unique stressors are **related to R-rel** dependence motives in **LGB D-sxo** **adult D-age** smokers, however, has not been previously explored. The current study was conducted to redress these gaps. Methods Participants (N = 52; Mage = 42.8; 55.8% Black/ **African American D-rac**) were recruited from the local community. Identity facets were measured by the **Lesbian D-sxo** , **Gay D-sxo** , and **Bisexual D-sxo** Identity Scale (LGBIS). Dependence motives were measured by the Brief **Wisconsin L-loc** Inventory of Smoking Dependence Motives. Linear multiple regressions were calculated with the **predictors of R-rel** seven LGBIS subscales for primary and secondary dependence motives, respectively. Results Primary dependence motives (core **nicotine C-chm** dependence features) were predicted by affirmation of **LGB D-sxo** identity ($\hat{I}^2 = 0.44$). Secondary dependence motives (eg, taste, cognitive/affective enhancement) were predicted by uncertainty of **LGB D-sxo** identity ($\hat{I}^2 = 0.43$). Conclusions **LGB D-sxo** identity affirmation was **associated with R-rel** primary dependence motives, suggesting that a positive view of one's **sexual orientation D-sxo** is a **risk B-pcp** factor for dependence. It may be that identity affirmation is **related to R-rel** stronger involvement with the **LGB D-sxo** community, which has smoking-friendly norms. Identity uncertainty was **associated with R-rel** secondary dependence motives; this unique identity challenge may represent a stressor contributing to smoking dependence. Findings can help explain the higher **rate B-prv** of smoking in **LGB D-sxo** populations and offer avenues to better tailor **smoking cessation B-ces** interventions **P-trt** . Implications The current study is the first to examine multidimensional aspects of **LGB D-sxo** identity in explaining smoking dependence motives among **LGB D-sxo** **adults D-age** . Results reveal that **LGB D-sxo** identity challenges are **associated with R-rel** dependence motives, suggesting that interventions **P-trt** targeting these challenges may help reduce **LGB D-sxo** smoking disparities. Specifically, reducing identity uncertainty may help reduce smoking dependence. Though identity affirmation was a smoking dependence **correlate R-rel** , it is counterproductive to reduce affirmation, given its **association M-sts** with other positive health outcomes. Rather, interventions **P-trt** to change **LGB D-sxo** community norms around smoking appear warranted, given the documented high overlap between affirmation and community affiliation.