

# 91889\_Auto\_Edited.docx

---

WORD COUNT

3991

TIME SUBMITTED

21-MAR-2024 03:56PM

PAPER ID

107723541

**Name of Journal:** *World Journal of Methodology*

**Manuscript NO:** 91889

**Manuscript Type:** META-ANALYSIS

**Association between Tobacco Exposure and Bladder Cancer Recurrence: A Systematic Review and Meta-Analysis**

*Lei Xiang et al. smoking and bladder cancer*

## Abstract

### BACKGROUND

However, the connection between smoking and the prognosis of patients with bladder cancer remains unclear.

### AIM

This meta-analysis aimed to determine whether smoking is linked to the recurrence and progression of bladder cancer.

### METHODS

As of July 20, 2022, relevant English-language research was identified by searching PubMed, the Web of Science, and the Cochrane Library. We pooled the available data from the included studies using a random effects model. Subgroup analysis and sensitivity analysis were also conducted.

6

### RESULTS

A total of 12 studies were included in this meta-analysis. The combined analysis revealed that tobacco exposure was associated with a significantly greater recurrence rate than nonsmoking status (OR=1.76, 95%CI=1.84-2.93), and the progression of bladder cancer was significantly greater in smokers than in nonsmokers (OR=1.21, 95%CI=1.02-1.44). Stratified analysis further revealed that current smokers were more likely to experience relapse than never-smokers were (OR=1.85, 95%CI=1.11-3.07). Former smokers also had a greater risk of relapse than did never-smokers (OR=1.73, 95%CI=1.09-2.73). Subgroup analysis indicated that non-Caucasians may be more susceptible to bladder cancer recurrence than Caucasians are (OR=2.13, 95%CI=1.74-2.61).

### CONCLUSION

This meta-analysis revealed that tobacco exposure may be a significant risk factor for both the recurrence and progression of bladder cancer.

**Key Words:** Smoking; Bladder; Cancer; Recurrence; Progress.

Xiang L, Xie QQ, Xu S, Ruan W, Xu DH, Gan Y, Zuo J, Xu W, Li ZP. Association between Tobacco Exposure and Bladder Cancer Recurrence: A Systematic Review and Meta-Analysis. *World J Methodol* 2024; In press

**Core Tip:** In this meta-analysis, 12 studies were included to investigate the connection between smoking and the prognosis of bladder cancer patients. The results showed that tobacco exposure was associated with a significantly greater recurrence rate and faster progression of bladder cancer than nonsmoking status. Subgroup analysis further revealed that current and former smokers had a greater risk of relapse than did never smokers, and non-Caucasians may be more susceptible to bladder cancer recurrence than Caucasians are. Therefore, smoking is a major risk factor for bladder cancer recurrence and progression, and cessation of smoking is recommended. Regular follow-up and treatment are crucial for reducing the risk of smoking.

## **INTRODUCTION**

Bladder cancer is a prevalent urological malignancy worldwide. It affects a significant number of individuals and remains a common cancer type, particularly in developed countries<sup>[1]</sup>. Bladder cancer leads to hundreds of thousands of deaths annually<sup>[2]</sup>. The incidence of bladder cancer is affected by sex-related factors. The occurrence of this disease is approximately three to four times greater in males than in females. However, women with bladder cancer often receive a diagnosis at a later stage, at which point the disease tends to be more severe and associated with a poorer prognosis<sup>[3]</sup>. The 5-year recurrence rate for bladder cancer varies depending on several factors, such as tumor grade, the number of primary tumors, the prostate-specific antigen (PSA) test score, and

the tumor-to-lymph node metastasis (TNM) classification. Low-risk patients have a 5-year recurrence rate of approximately 57%, while intermediate- and high-risk patients have recurrence rates of approximately 67% and 77%, respectively<sup>[4, 5]</sup>. Due to its high recurrence rate, bladder cancer necessitates substantial medical resources for detection and management each year. The management of these conditions places a significant burden on healthcare systems globally.

Tobacco smoking remains a significant global public health concern and leads to more than 5 million deaths each year<sup>[6]</sup>. In China alone, 2 million people lose their lives with smoking-related illnesses<sup>[7]</sup>. Smoking has been firmly established as a critical risk factor for numerous diseases, including chronic respiratory conditions such as chronic obstructive pulmonary disease (COPD) and cardiovascular disease<sup>[8]</sup>. Additionally, smoking is intricately linked to various forms of cancer and is a particularly significant risk factor for some cancers<sup>[9]</sup>. Notably, smoking is the most significant predictor of bladder cancer development, and the risk of this disease has increased over time. Prior research has shown that smoking accounts for a population attributable risk (PAR) of 50-65% in men and 20-30% in women, and smoking triples the risk of bladder cancer compared to never smoking<sup>[10]</sup>. While several cohort studies have examined the relationship between smoking and bladder cancer prognosis—including survival rates and tumor recurrence—the findings remain inconclusive. For instance, an epidemiological study by Hagiwara *et al*<sup>[11]</sup> reported that a positive smoking history and male sex were independent risk factors for bladder tumor recurrence after radical nephroureterectomy. Higher smoking levels were associated with a greater likelihood of upper urothelial carcinoma incidence of bladder tumor recurrence, with shorter years of smoking and nonsmoking patients exhibiting lower rates of tumor recurrence than long-term smokers<sup>[12]</sup>. Other research groups have reported similar positive correlations between smoking and increased relapse rates<sup>[13]</sup>. In contrast, some retrospective cohort studies have also shown that smoking is not an independent risk factor for recurrence<sup>[14-16]</sup>. Given these mixed results, we conducted a meta-analysis aiming to synthesize the

available evidence on the relationship between smoking and both bladder cancer recurrence and progression.

The study was carried out in accordance with the PRISMA<sup>[17]</sup> statement.

## **MATERIALS AND METHODS**

### 2.1. Ethical approval

Given that this meta-analysis is based on previously published data and does not involve any individual-level data collection or analysis, ethical approval is not needed for this study. This study adheres to the ethical guidelines and best practices for meta-analyses, ensuring a rigorous and objective synthesis of the available evidence.

### 2.2. Search strategy

We conducted a comprehensive literature search of Medline (PubMed), Web of Science, and the Cochrane Library covering the period from the establishment of each database to July 2022. Our search strategy included a combination of keywords and Medical Subject Headings (MeSH) terms related to smoking, urinary bladder neoplasms, malignant tumor of the urinary bladder, cancer, tumor, bladder, cancer recurrence, and various combinations of these terms. We also manually checked the reference lists of all identified studies and related reviews to ensure comprehensive coverage. Additionally, we searched the Clinical Trials website (clinicaltrials.gov) for relevant unpublished studies as of July 20, 2022. The flowchart in Figure 1 summarizes the identification and evaluation process of the studies included in this review.

### 2.3. Inclusion and exclusion criteria

Two independent reviewers (Zhipeng Li and Qiqi Xie) evaluated the eligibility of each study using standardized criteria. The inclusion criteria were as follows: (a) original research article; (b) had undergone bladder cancer surgery; (c) smoked long-term compared to never or former smokers or were currently smoking as an indicator of exposure; and (d) had risk estimates (hazard ratios, risk ratios, odd ratios) with

corresponding 95% confidence intervals (CIs) for the study results or detailed baseline and follow-up data in the authors' report to be able to calculate the above indicators. (e) Papers are written and published in English. To minimize errors and biases in the pooled data, a unified standard for the definition of smoking was established. Any active exposure to tobacco was defined as "tobacco exposure". Patients who were still smoking at the time of bladder cancer diagnosis or who stopped smoking within one year of diagnosis were defined as "current smokers". "Former smoker" was defined as a patient who had quit smoking at least one year before bladder cancer diagnosis. Never smoking from birth to diagnosis of bladder cancer was defined as "never" or "never". The bladder cancer outcome definitions analyzed in this meta-analysis included "disease recurrence" and "disease progression".

After analysis by researchers, articles were screened according to the following criteria to exclude the following: (a) did not report available data, such as conference abstracts, expert opinions, comments, or letters to the editor; (b) were well-published articles or articles with data reuse; (c) had flawed research designs and low quality assessment scores; (d) had incorrect statistical methods that could not be corrected, could not be provided or could not be transformed into ORs (RR, HR) or their 95% confidence intervals, or measured data that did not provide means and standard deviations; and (d) had smoking exposure categories and corresponding effect values that were not clearly described. If two studies reported the same or overlapping populations, only the study with the largest sample size was included; if the studies included different and related exposures or stratified analyses (ER/PR status), both studies were included.

#### 2.4. Data extraction

Two researchers (Sisi Xu and Wenjie Ruan) independently extracted information from the eligible studies using standardized data collection forms. The extracted information included the first author, year of publication, study design, database and country, follow-up time, sample size, outcome, age, sex, time of diagnosis, surgical method, interventions, and smoking status.

## 2.5. Quality assessment

The quality of the included studies was assessed using the Newcastle–Ottawa Quality Assessment Scale<sup>[18]</sup> for Cohort Studies. This scale rates the quality of selection, comparability, and outcome quality of the included articles. After independent scoring by two reviewers, the studies included in this study were identified as follows: 1 high-quality study, 10 medium-quality studies, and 1 Low-quality study (Table 2).

## 2.6 Risk of bias analysis

The ReMan (Review Manager 5.4.1) for assessing risk of bias was utilized to conduct an analysis of bias risk.

## 2.7. Statistical analysis

The combined analysis revealed that most studies classified smoking status as smoking, quitting smoking, or never smoking. To unify the standards and eliminate the influence of subtle differences in the definitions of smoking among different articles, we used current smoking, former smoking and never smoking to define smoking status.

Statistical heterogeneity was assessed using the Cochrane chi-square test (Q test) ( $p < 0.10$  was considered to indicate significant statistical heterogeneity). Hazard ratios (HRs) and 95% CIs were calculated using Cox regression for statistical analysis. Study-specific risk estimates were pooled by random or fixed effects meta-analyses. The association between smoking status and postoperative bladder cancer outcomes was assessed in detail using forest plots.

Subgroup analysis and meta-regression analysis were also conducted based on surgical method (RC vs. TURB), disease stage (muscle invasive bladder cancer, nonmuscle invasive bladder cancer and bladder cancer), geographic region (Americas, Europe or Asia), and study design (single center and the center) to identify potential sources of heterogeneity. Sensitivity analyses were performed by the back-off method (removing one item at a) to test whether the results were influenced by a particular study.



Furthermore, a funnel plot assessment was applied to capture potential publication bias and to examine the impact of publication bias on the validity of the estimates. Statistical analyses were conducted using SPSS 28.0 (IBM, Chicago, USA) and RevMan software, version 5 (<http://ims.cochrane.org/revman>).  $P < 0.05$  was considered to indicate statistical significance unless the article specifically stated otherwise.

## **RESULTS**

### 3.1. Study characteristics

This passage is a summary of a meta-analysis that aimed to assess the impact of smoking status on bladder cancer outcomes. The researchers conducted a comprehensive literature search and identified 186 articles from PubMed, 123 articles from the Web of Science, 32 articles from the Cochrane Library, and 7 articles manually. After screening and evaluation by reviewers, 12 studies were included in the meta-analysis<sup>[11, 12, 14, 16, 19-26]</sup>. The included studies were conducted in different regions, including Europe (5 studies)<sup>[16, 21-24]</sup>, Asia (5 studies)<sup>[11, 12, 19, 25, 26]</sup>, and North America (2 studies)<sup>[14, 20]</sup>. A total of 5817 patients were included in the meta-analysis, and most of those studies provided detailed follow-up data on tobacco exposure. *Yuruk et al.*<sup>[26]</sup> study recruited 187 participants and grouped them according to their smoking status. <sup>[16]</sup>On the other hand, *Grotenhuis et al* included a total of 1459 patients from 1995 to 2006 after three expansions. However, only 66% of the patients responded, resulting in a cohort of 963 patients for the study. These figures demonstrate the extensive variation in participant demographics across various studies, emphasizing the significance of conducting research on diverse patient populations to achieve a more comprehensive understanding of the impact of smoking on bladder cancer outcomes.

The findings from the meta-analysis suggest that smoking status is linked to both the recurrence and progression of bladder cancer. These results from this study can offer valuable insights to healthcare professionals and patients about the impact of smoking on bladder cancer outcomes, thus informing future research in this area.

### 4 3.2. Qualitative assessment

The Newcastle–Ottawa Quality Assessment Scale was used to evaluate the quality of each study, with scores ranging from 6 to 9 (with a mean of 7.42), indicating a generally acceptable methodological approach. Table 1 Lists the scores for each individual study, while Table 2 provides a detailed breakdown of the scoring criteria.

### 3.3. Tobacco exposure and bladder cancer recurrence

Twelve articles were included in the analysis, with only 11 articles considered for the nonsmoking comparison, as shown in Picture 2. The meta-analysis revealed a significant association between tobacco exposure and an increased risk of bladder cancer recurrence in patients who smoked compared to those who had never smoked, with an odds ratio (OR) of 1.84 (95% confidence interval [CI], 1.15-2.93; Figure 2A). Notably, substantial heterogeneity was observed across the included studies ( $I^2=91%$ ;  $Q=111.48$ ;  $P<0.00001$  for heterogeneity). Furthermore, current smoking status was also associated with an elevated risk of bladder cancer recurrence compared to never smoking status, with an OR of 1.85 (95%CI, 1.11-3.07; Figure 2B). Again, significant heterogeneity was observed across studies ( $I^2=91%$ ;  $Q=105.66$ ;  $P<0.00001$  for heterogeneity). Additionally, previous smoking was found to be associated with an increased risk of bladder cancer recurrence compared to never smoking, with an OR of 1.73 (95%CI, 1.09-2.73; Figure 2C), albeit with substantial heterogeneity across studies ( $I^2=88%$ ;  $Q=86.26$ ;  $P<0.00001$  for heterogeneity). However, when comparing previous smoking status to current smoking status, no significant association was observed with bladder cancer recurrence, yielding an OR of 1.01 (95%CI, 0.74-1.38; Figure 2D). Nonetheless, substantial heterogeneity was still evident across studies ( $I^2=83%$ ;  $Q=64.02$ ;  $P<0.00001$  for heterogeneity).

### 3.4. Tobacco exposure and bladder cancer progression

Twelve articles were included in the analysis, as shown in Figure 3. The meta-analysis revealed that tobacco exposure was associated with an increased risk of bladder cancer

progression compared with never smoking status, with an odds ratio (OR) of 1.21 (95% confidence interval [CI], 1.02-1.44; Figure 3A). No significant heterogeneity was observed across studies ( $I^2=0\%$ ;  $Q=1.46$ ;  $P = 0.69$ ). Current smoking status was not associated with an increased risk of bladder cancer progression compared with never smoking status, with an OR of 1.24 (95%CI, 0.99-1.56; Figure 3B). No significant heterogeneity was observed across studies ( $I^2=29\%$ ;  $Q=4.21$ ;  $P = 0.24$ ). Previous smoking status was not associated with an increased risk of bladder cancer progression compared with never smoking status, with an OR of 1.15 (95%CI, 0.96-1.38; Figure 3C). No significant heterogeneity was observed across studies ( $I^2=0\%$ ;  $Q=2.10$ ;  $P = 0.55$ ). However, when comparing previous smoking status to current smoking status, no significant association was observed with bladder cancer progression, yielding an OR of 1.17 (95%CI, 0.96-1.43; Figure 3D). Substantial heterogeneity was observed across studies ( $I^2=76\%$ ;  $Q=12.60$ ;  $P = 0.006$ ). In summary, the meta-analysis suggested that tobacco exposure is associated with an increased risk of bladder cancer progression compared to never smoking. However, the results for current and previous smoking statuses were inconclusive due to insufficient data and significant heterogeneity across studies. Additional research is needed to further explore the impact of smoking on bladder cancer progression and to address the limitations of the current analysis.

### 3.5. Subgroup analysis and sensitivity analysis

Subgroup and meta-regression analyses were also conducted to explore heterogeneity among studies examining the association between current smoking status and disease recurrence (Table 3). Notably, significant heterogeneity was observed. However, we performed a sensitivity analysis to assess the impact of individual studies on the pooled results by excluding each study in turn. The results indicated that the significant association between current smoking status and disease recurrence was consistent and robust (data not shown). Therefore, despite the observed heterogeneity, the conclusion that current smoking status is associated with an increased risk of disease recurrence is supported by the sensitivity analysis. Additional research is needed to further explore

the impact of smoking on disease recurrence and to address the limitations of the current analysis.

### 3.6. Publication bias assessment

By creating and analyzing funnel plots, it was observed that there was potential publication bias between tobacco exposure and bladder cancer recurrence (Figure 4A), which may have affected the reliability of the pooled results. However, no obvious publication bias was observed between tobacco exposure and bladder cancer progression (Figure 4B), indicating that the pooled results are robust. These findings suggest that additional studies are needed to confirm the association between smoking and bladder cancer recurrence, particularly to address potential publication bias and other sources of heterogeneity. We used the RevMan bias risk tool to carry out risk assessment, and the results showed that all the articles included in this study had a low risk (see Figure 5). The findings revealed that no significant high risk of bias was identified across any of the included studies. Notably, three studies exhibited unclear risk of bias with regard to other potential biases, while one study demonstrated unclear risk of bias, specifically in terms of selection bias.

## DISCUSSION

Bladder cancer is a common malignancy worldwide, and there are significant sex differences in its incidence<sup>[27, 28]</sup>. **Tobacco smoking is a well-established risk factor for bladder cancer**, as exposure to tobacco carcinogens increases the morbidity and mortality associated with this disease<sup>[29]</sup>. However, most of those previous studies focused on prevention and clinical treatment, and there is limited research on the prognosis of bladder cancer, particularly the impact of tobacco smoking on patients after surgical treatment<sup>[30]</sup>. Currently, there is no conclusive evidence that tobacco smoking increases the risk of bladder cancer recurrence or progression after surgery. Therefore, further research is needed to clarify the relationship between tobacco exposure and bladder cancer prognosis, including the impact of smoking cessation on disease outcomes.

<sup>1</sup> To our knowledge, this is the first systematic epidemiological assessment of the association between smoking status and bladder cancer patient outcomes in the past five years. A meta-analysis of 12 cohort studies with a total of 5817 <sup>1</sup> bladder cancer patients was conducted to provide stable and reliable results. The outcomes of surgical treatment for bladder cancer include <sup>1</sup> disease recurrence, disease progression, and cancer-specific mortality. The pooled results suggest that tobacco exposure may increase the risk of bladder cancer recurrence after surgery. Both current smoking and previous smoking were found to be independent risk factors for bladder cancer recurrence, but there was no significant difference between current smoking and previous smoking in terms of bladder cancer recurrence after surgery (OR=1.01, 95%CI=0.74-1.38). Additionally, we found that tobacco exposure was significantly associated with bladder cancer progression, but when patients were stratified, the associations of current smoking status and previous smoking status with postoperative bladder cancer progression were not statistically significant. These findings suggest that smoking cessation may be beneficial for improving the prognosis of bladder cancer patients. However, further research is needed to confirm these results and to explore the impact of smoking cessation on bladder cancer outcomes.

The pooled results from the meta-analysis showed that current and former smokers had a significantly greater risk of experiencing disease relapse than patients who had never smoked. Additionally, bladder cancer progression was significantly faster in individuals exposed to tobacco. However, the differences in postoperative recurrence between patients who were current smokers and those who were previously smoking were not well characterized, suggesting that the relationship between tobacco exposure and bladder cancer recurrence may not be dose dependent. Furthermore, tobacco exposure was significantly associated with cancer progression, but the roles of current and previous smoking in cancer progression have not been well validated. The mechanisms underlying the association between tobacco exposure and bladder cancer recurrence and progression are thought to be complex and multifactorial. Strong carcinogens in tobacco, such as coal tar, polycyclic aromatic hydrocarbons, aromatic

amines, and nitrosamines<sup>[31, 32]</sup>, are absorbed into the bloodstream through inhalation and transported to the kidneys, where they are concentrated in the urine. This process results in exposure of the bladder epithelium to carcinogens, leading to cellular damage and an increased risk of bladder cancer development. Additionally, long-term exposure to smoking carcinogens may lead to cumulative molecular alterations that adversely affect bladder cancer biology and clinical behavior, promoting growth and motility. Furthermore, continuing smoking may weaken the immune response to bladder cancer, leading to an increased risk of recurrence and death. These findings suggest that smoking cessation may be beneficial for improving the prognosis of bladder cancer patients. However, further research<sup>[33]</sup> is needed to confirm these results and to explore the impact of smoking cessation on bladder cancer outcomes.

These findings suggest that tobacco exposure may have a longer-term effect on bladder cancer recurrence, even after smoking cessation. This highlights the importance of smoking cessation for bladder cancer patients to improve their prognosis. However, the exact mechanism by which smoking cessation reduces subsequent tumor recurrence in patients with bladder cancer remains to be elucidated. Recent studies have shown that nicotine, a major component of tobacco smoke, activates multiple signaling pathways through nicotinic acetylcholine receptors. The MAPK/ERK, PI3K/Akt, and JAK/STAT pathways are associated with tumorigenesis, tumor progression, and acquisition of treatment resistance. These findings suggest that the effects of tobacco exposure on bladder cancer recurrence may be complex and multifactorial and involve various signaling pathways and mechanisms. Therefore, further research is needed to explore the detailed mechanisms by which smoking cessation reduces subsequent tumor recurrence in bladder cancer patients. This may lead to the development of effective strategies for improving the prognosis of bladder cancer patients who smoke or have a history of smoking. Ogihara<sup>[12]</sup> suggested that nicotine exposure in tobacco may induce tumor cell proliferation by activating the PI3K/Akt/mTOR pathway both *in vitro* and *in vivo*. This activation of signaling pathways by nicotine can lead to irreversible harmful cell activation, indicating that smoking cessation may not completely prevent the

progression and recurrence of bladder cancer. The metabolic cycle of nicotine in the body is relatively short, lasting only 2-6 h<sup>[34]</sup>, but the activation of these cancer-promoting signaling pathways by nicotine can have long-term effects on tumor growth and recurrence. Therefore, smoking cessation is still an important measure for reducing the risk of bladder cancer recurrence, but smoking cessation may not completely eliminate this risk. Future research should focus on exploring the detailed mechanisms by which smoking cessation reduces subsequent tumor recurrence in patients with bladder cancer. This may lead to the development of effective strategies for improving the prognosis of bladder cancer patients who smoke or have a history of smoking. The limitations of this study include the retrospective nature of some of the included studies, which may introduce recall bias. Additionally, there was significant heterogeneity in the studies regarding tobacco exposure, including different types of tobacco products, exposure modalities, and surgical techniques. This heterogeneity may have influenced the overall results, leading to a potential futility association between tobacco exposure and bladder cancer outcomes. It should also be noted that the effects of current and previous smoking on bladder cancer progression were not statistically significant, possibly due to the limited number of studies addressing this topic. The lack of adjustment for potential confounders in some studies may have also affected the results. In conclusion, the results of this meta-analysis suggest that tobacco exposure is significantly associated with postoperative recurrence and progression of bladder cancer. However, <sup>1</sup>larger epidemiological studies with longer follow-up periods are needed to confirm these findings and further explore the mechanisms underlying the effects of tobacco exposure on bladder cancer outcomes.

## **CONCLUSION**

This meta-analysis suggested that tobacco exposure may increase the risk of bladder cancer recurrence and progression after surgery. However, there was no significant association between current or previous smoking and postoperative cancer progression. Smoking is a major risk factor for bladder cancer, and cessation of smoking is

recommended. Notably, quitting smoking may not completely eliminate this risk. Regular follow-up and treatment are crucial for reducing the risk of bladder cancer recurrence and progression in smokers. Additionally, genetic, environmental, and lifestyle factors may also influence bladder cancer risk, and smokers should consider these factors when taking preventive measures.



# 8%

SIMILARITY INDEX

### PRIMARY SOURCES

1	<a href="http://www.oncotarget.com">www.oncotarget.com</a> Internet	220 words — 5%
2	<a href="http://www.omicsdi.org">www.omicsdi.org</a> Internet	25 words — 1%
3	Koichiro Ogihara, Eiji Kikuchi, Kazuyuki Yuge, Yujiro Ito et al. "Refraining from Smoking for 15Years or More Reduced the Risk of Tumor Recurrence in Non-muscle Invasive Bladder Cancer Patients", <i>Annals of Surgical Oncology</i> , 2015 Crossref	19 words — < 1%
4	<a href="http://m.moam.info">m.moam.info</a> Internet	16 words — < 1%
5	<a href="http://www.pubfacts.com">www.pubfacts.com</a> Internet	16 words — < 1%
6	<a href="http://www.researchgate.net">www.researchgate.net</a> Internet	15 words — < 1%
7	<a href="http://classic.clinicaltrials.gov">classic.clinicaltrials.gov</a> Internet	12 words — < 1%

EXCLUDE BIBLIOGRAPHY ON

EXCLUDE MATCHES

< 12 WORDS