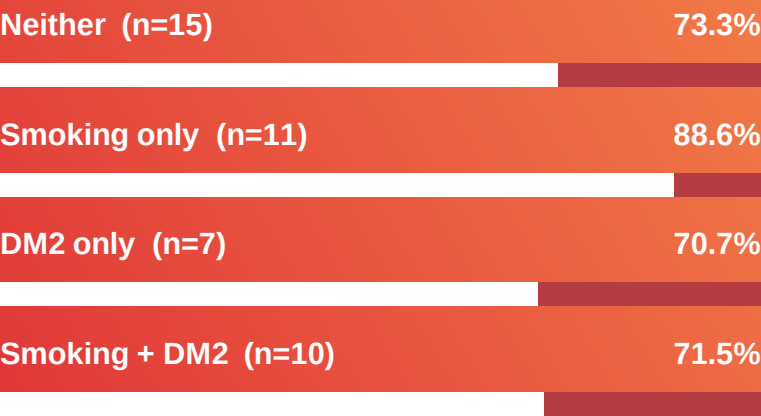


# Healing varied. Associations remain uncertain.

## MEAN MAXIMUM RECORDED HEALING



0–100% scale; bars show group means, not the proportion of patients fully healed.

Overall model:  $p = 0.490$ ;  $R^2 = 5.9\%$

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# When Healing Fails: The Influence of Smoking and Diabetes on Outcomes After Surgery for Fistula-in-Ano in a Mexico City Referral Center

ICS 2026 | ABSTRACT 785 | 9 OCTOBER 2026, 12:40–12:45 | ePOSTER STATION 5

## COHORT, ENDPOINT & ANALYSIS

Retrospective mixed surgical cohort; 36 (83.7%) male.  
Age: 48.8 (SD 11.1); surgeries 29 Apr 2024–16 Feb 2026.  
Maximum recorded healing  $\times 100$ ; assessment interval 1–7 months.  
OLS: smoking + DM2 + interaction; exploratory analysis.

## TECHNIQUE GROUPS (NO OVERLAP)

|                                  |            |
|----------------------------------|------------|
| Fistulotomy post drainage seton* | 19 (44.2%) |
| Fistulotomy without seton*       | 11 (25.6%) |
| Technique plus laser             | 4 (9.3%)   |

\*Fistulotomy groups exclude FiLaC/LIFT/TROPIS.  
Other 9: LIFT 3, TROPIS 3, fistulectomy 3; n=43.

## 12/43 (27.9%) overall; descriptive endpoint

|               |              |
|---------------|--------------|
| Neither       | 3/15 (20.0%) |
| Smoking only  | 4/11 (36.4%) |
| DM2 only      | 2/7 (28.6%)  |
| Smoking + DM2 | 3/10 (30.0%) |

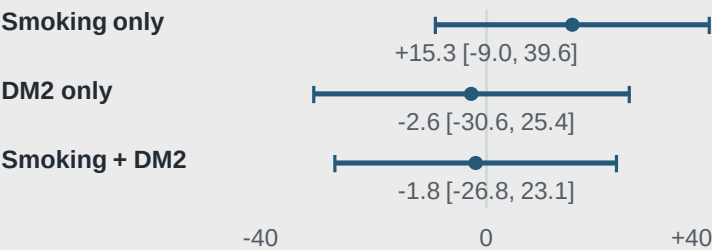
100% recorded healing is not proof of durable cure.

43/60 (71.7%) evaluable



## HOW PRECISE ARE THE ESTIMATES?

Difference vs neither exposure, in percentage points.  
OLS estimates and 95% confidence intervals.



## WHY PRESENT THESE DATA AT ICS?

In this cohort, smoking and type 2 diabetes were not significantly associated with maximum recorded wound healing, and complete healing occurred in patients with either or both exposures. These findings suggest that these conditions do not inevitably imply poor healing and support individualized prognostic assessment. Shared goals of tissue healing and functional preservation make this observation potentially relevant to research on rectovaginal fistula repair and sphincter reconstruction.

