Citations identified through database searching (n = 1608)

Additional citations identified through other sources (n = 1)

Citations after duplicates removed (n = 978)

Citations screened (n = 978)

Citations excluded based upon titles and abstracts (n = 903)

Full-text articles assessed for eligibility (n = 75)

Full-text articles excluded (n = 57)

Reasons:
- Total mortality in relation to smoking status not presented (n = 29)
- Non-ACS study (n = 9)
- Small study (<100 smokers or <100 non-smokers) (n = 4)
- Editorial (n = 1)
- Letter to editor (n = 1)
- No adjusted survival analysis (n = 7)
- No effect estimates reported (n = 1)
- Unclear smoking status definition (n = 3)
- Smoking cessation study (n = 2)

18 citations from 17 studies included in qualitative synthesis