

A COMPARISON OF SMOKING SURVEYS SEPARATED  
BY FOUR YEARS

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Group Research & Development Centre,  
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A COMPARISON OF SMOKING SURVEYS SEPARATED BY FOUR YEARS

(Report No. RD.1685 Restricted)

SUMMARY AND CONCLUSIONS

The smoking patterns of 54 subjects, all members of GR&DC Southampton, who participated in a survey in 1974 have now been remeasured (under the same conditions) smoking a current version of the same cigarette brand (BENSON & HEDGES KSFT). The deliveries (machine smoking, standard conditions) were:

In 1978: Nicotine 1.4 mg, TPM 26 mg

In 1974: Nicotine 1.7 mg, TPM 27 mg

i.e. a 17% reduction in nicotine delivery, the TPM figures being within experimental error.

Comparison of the two data sets shows that the lower delivery cigarette has been smoked more intensively. Puff duplication has not been carried out, but from the observed increase in puff volume (+14%) it can be reasonably inferred that the smokers in this panel received similar amounts of nicotine from both cigarettes and, in all probability, a small (5-10%) increase in tar when smoking the 1978 cigarette. However, caution is required in generalizing from these results, since they were obtained for a panel of B.A.T employees smoking in a laboratory environment. The extent to which laboratory results can be extrapolated will be discussed in a forthcoming review of smoking behaviour studies.

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