able 2. -- Sugar Alcohols and Destal Carles--Continued

| Study                             | Study Design   | Subjects  | Hethods  | Results  | Comments  |
|-----------------------------------|--|---|--|--|---|
| Scheinin et al. 1985<br>(Ref. 26) | Intervention trial (MMO X tied Studies in Hungary) to examine in Hungary) to examine replacements of partial replacement of S in sweets amont on confertionery with X on interience of caries. | 689 institutionalized children (410 bys. 229 girls) ages 6 - 11. Ss were from 11 institutions in Budapest, Hungary. | 1-yr study. X group, n = 278: max inche 20 g/day X in cheming um. chocolate, quam drops, tictes, and waters. X group also used fluoride dentificios. Pluoride group, n = 266: no X, but received (luoride in a dentificios milk and water. C, n = 145: neceived no Iluoride or X, [See Ref. 49 for details of intakes of groups]   | Significant differences between dgroups in age, mumber of gound surfaces, number of decayed surfaces and number of filled surfaces at base-line. X group had signif higher caries prevalence, D. MTT. [pcc, 001) and increment, D. MTT. [pcc, 001) and increment rate of decayed teeth, ST. (pcc, 001) and | 301 subjects dropped-out: Ss in X group were older and thoses in fluoride were younger than those that remained in a study. Caries socres in the dropouts were lower at barelline than those remaining in study. Authors noted that when comparing dropouts to the smalning subjects, there was no bias favoring treatment effect with regard to age and caries prevalence. |
|                                   |  |   | Ocal registration made initially and yeary by yeary by 2 ceams. Inter- and intra-canning agreement for throughout study. Proportion of agreements between availants as 94% 95% which included quantitative and multistive development of caries and quovelopment of caries and quovelopment only. Caries   | controls; there were no differences between fluoride or C: no differences between any of the groups in D., AFT and increment rate Ris.; Stable caries increment in X group for all ages; increasing incidence caries in fluoride and caroups.  | x products were traded, sapecially during last yr of study, between institutions with subjects not in X group.  Institutions previously assigned to linvide group were transferred during ist yr to control and vise.   |
|                                   |  |   | registrations and without knowledge of results from previous examiner. Caries increment rate (RT) determined from changes in DMFT for teeth at risk. Molar and premolar teeth divided into 5 surfaces, occural, mestal, buccal, distell and lingual. Translillular.  | Considerable variation between institutions at baseline and ) yr.  At 3 yr. X group had lower incidence and carries increment rate ID_MFS and BD_MFS; than fluoride or C groups (pc0.001); fluoride group had lower incidence and rate (pc0.01).   | Versa due ro extreme introductual interpretations in<br>Filoride deliking water (evels.<br>Authors noted that substantial part of texamer error was the tor<br>of texamer error was the tor<br>differential diagnosis of fissure<br>caries between intext and degree 1<br>leasions and evaluation of surfaces<br>at border of 2 adjacent surfaces.                          |
|                                   |  |   | tion of teeth was done with tiber oppics system. No addographic assessment. Caries codes. 1 a initial caries, no loss shame!. 2 = ename! a sentent ories; a dentine caries; a sentent ories; and ories; | Caries rate highest for occlusal aufaces in all age groups espec. 7 yr olds: buccal and inqual surfaces in X group had consistently lower incidence and rate than other 2 groups.  | Authors note that results from this study ware obtained under conditions there are prevained and the formal incidence are will high ware control group consisted of children with lass caries then other 2 groups at these loss caries than other 2 groups.   |
|                                   |  |   | Ceff for Owesain comparison of ceff for differences between groups, AMCOVA (of ) yr ceries increments and takes over base-line prevalence. Mote in a large number of instances the SD is equal to or larger than the mean.   | between X and fluoride groups in p, g, MT in anterior teeth, inclearce was lower in posterior teeth in X group than other groups. Caries scores of ancarior teeth lower in fluoride than C and X groups in Y 8 and 9 yr olds: 10 yr olds X groups in Y 8 and 9 yr olds:  | was attributed to dist.   |