Background: Clinical Data Packages

How clinical data packages in NDAs are constructed?

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既に本学会利益相反委員会に申告しましたように、本演題発表 に関連して、開示すべきCOI関係にある企業等はありません。



Objective

Methods Samples 209 new drugs approved from 2001 to 2010 in Japan

- Regression analysis (Simultaneous equations model)
- Dependent variables:
- Number of submitted JP *hyokal* JP *sankol* F *hyokal* F *sanko* data per NDA – Estimated by <u>three-stage least squares (3SLS)</u>

Japanese hyoka data	$Y_{ii} = \alpha_i + \gamma_i Y_{ii} + \beta_{ii} X_{iii} + \dots + \varepsilon_{ii}$
Japanese sanko data	$\overline{Y_{zi}} = \alpha_z + \gamma_z \overline{Y_{zi}} + \beta_{zi} \overline{X_{zii}} + \dots + \varepsilon_{zi}$
Foreign hyoka data	$\underline{Y}_{si} = \alpha_s + \gamma_s \underline{Y}_{si} + \beta_{si} X_{sii} + \dots + \varepsilon_{si}$
Foreign sanko data	$\overline{Y_{a}} = \alpha_{a} + \gamma_{a} \overline{Y_{a}} + \beta_{a} \overline{X_{aa}} + \dots + \varepsilon_{a}$





data: expressed as number of clinical trials per NDA



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Results & Discussion

→ This result reconfirmed the common belief that companies decide Japanese data volume per NDA based on the "given" foreign data



Question Raised by Our Research

Most Japanese clinical data packages depend on the "given" foreign data
 "given" Foreign Data



What should the "ideal clinical data package" for Japanese people be like?