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# Genetic background and mercury concentrations in pregnant females

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## WHY?



#### Methylmercury: - No biological role - Toxic

Pregnant females:
Child's health
N=221





### Genetic background: - Individual's risk

- Apolipoprotein E





### CONCLUSION

• Other personal and life style data: Seafood intake, age, number of children, BMI, smoking.

Methylmercury in  $\varepsilon 4$  carriers = coincidence?

 Selected gene is not associated with higher methylmercury concentrations in our population.

