

DTU



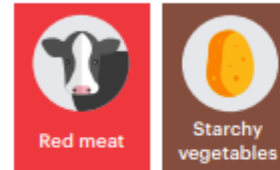
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Substituting Red Meat by Pulses: the Impact on Disease Burden

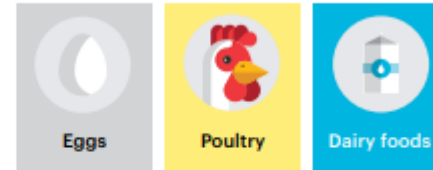
Background



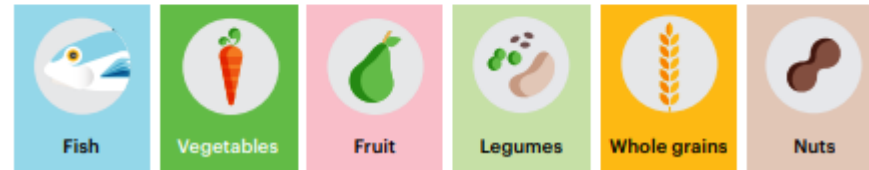
Limited intake



Optional foods



Emphasized foods



Risk-Benefit Assessment



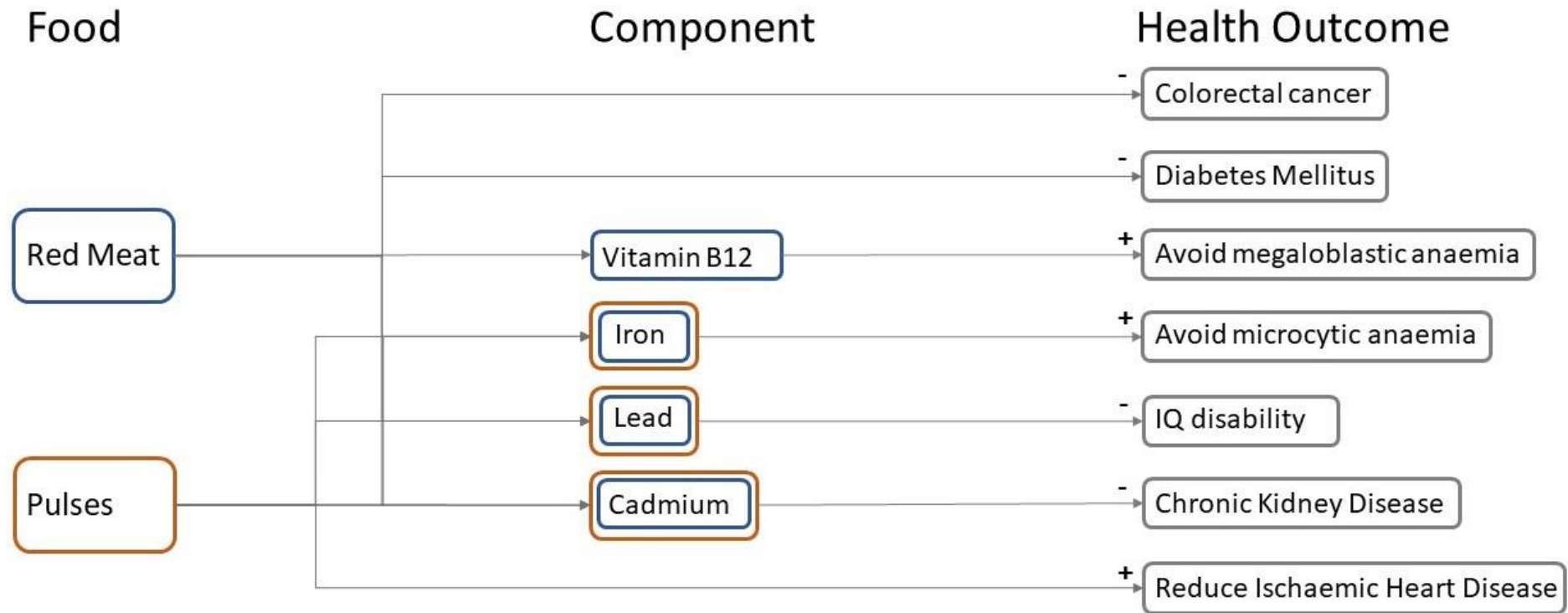
Aim

To investigate the impact on disease burden of substituting unprocessed red meat by pulses in the Danish diet by comparing the change in disease burden attributable to nutritional risk factors and chemical exposures, quantified in DALY.

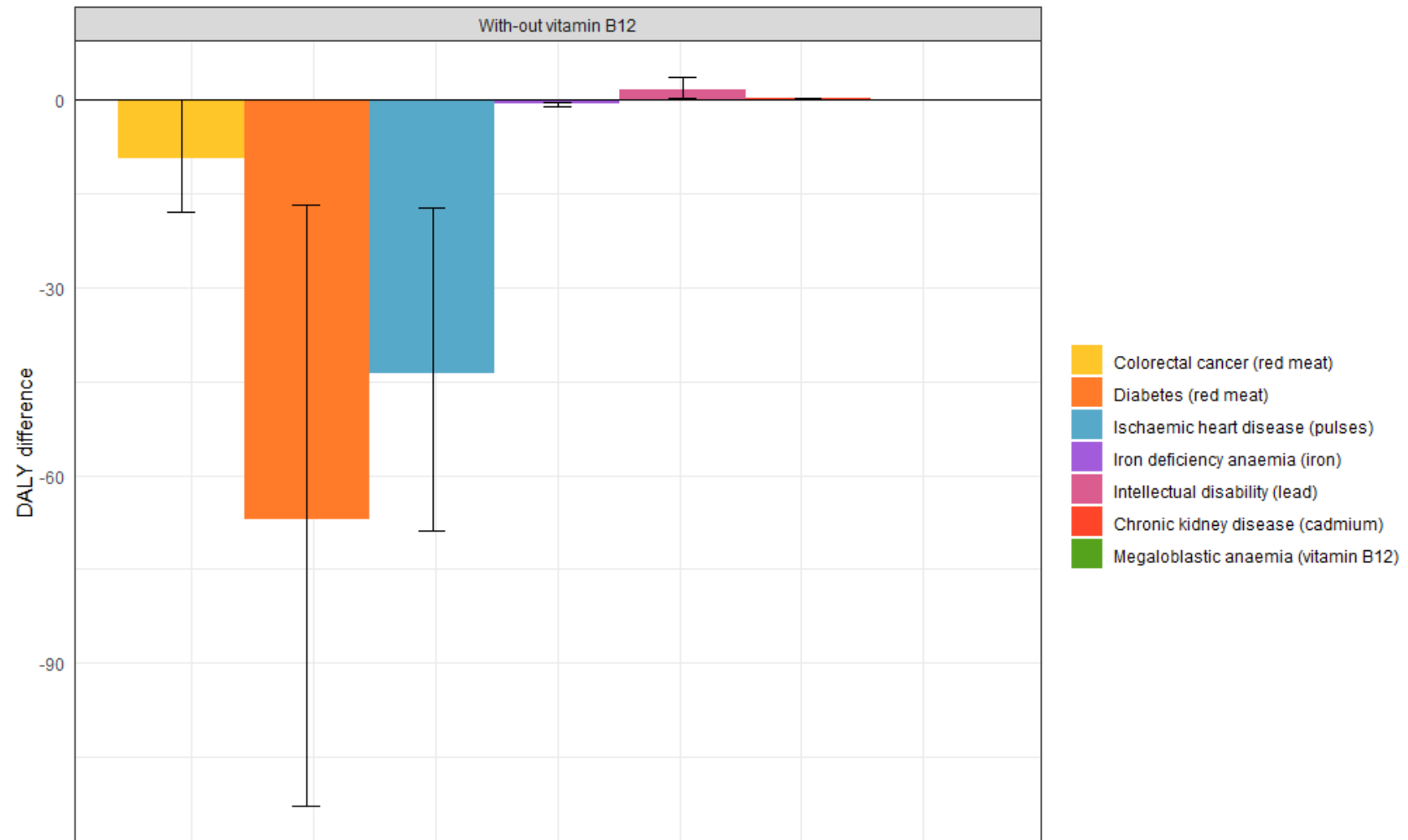
Methodology

- Danish population 4-75 years of age
- Substitution model (gram to gram)
- Substitution scenarios (25%, 50%, 75%, 100%)
- Sub-populations (men, women, small children, adolescents)

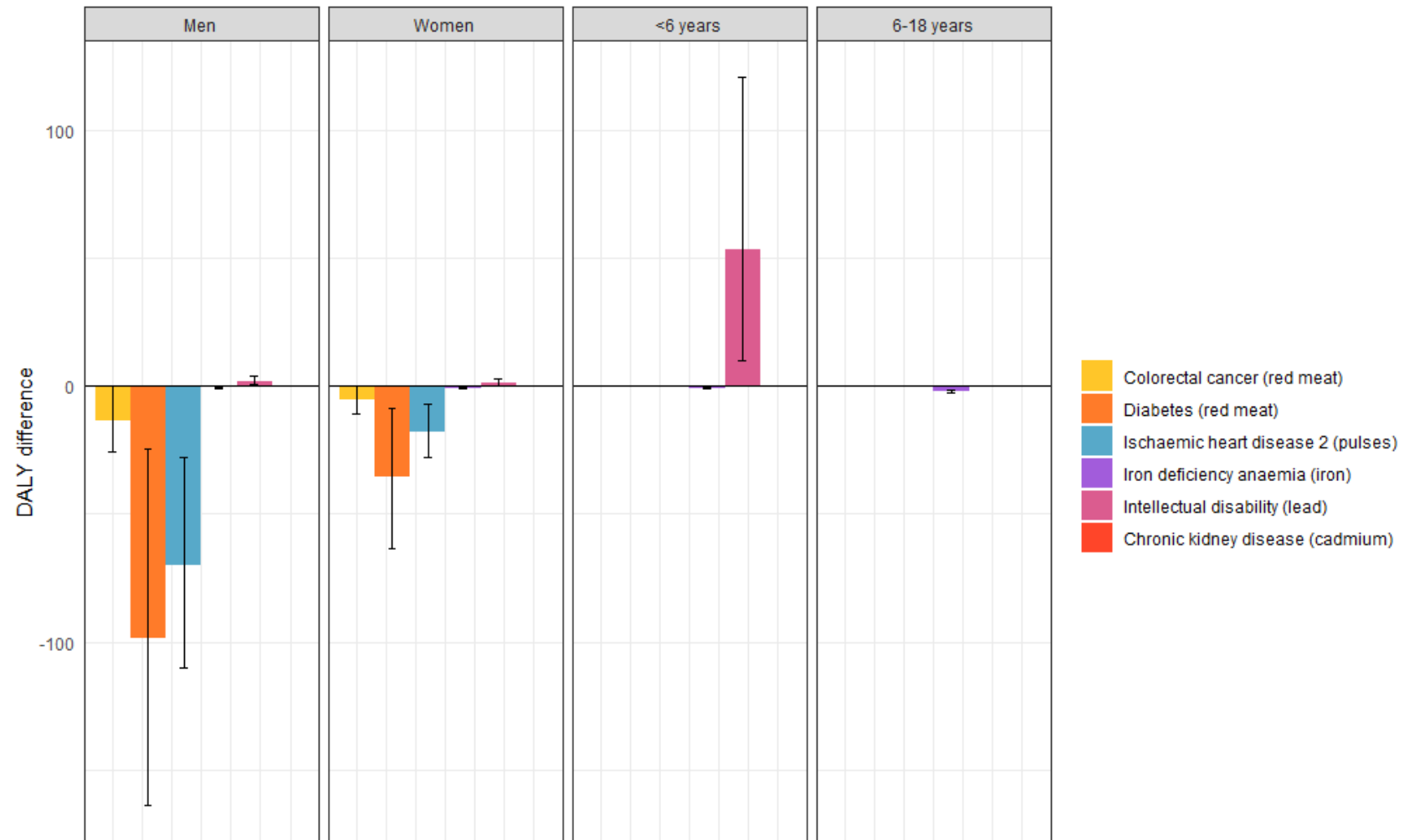
Methodology



Results



Results – sub-populations



Conclusion

- Up to 118 (95%UI: 85 ; 148) averted DALYs/100,000 from substituting unprocessed red meat by pulses in the Danish population
- Substitution is not advised for small children and adolescents
- Further investigate vitamin B12