

a

## Example GPT-4 prompt

I need to annotate phenotypes as to whether they typically cause: **intellectual disability, death, impaired mobility, physical malformations, blindness, sensory impairments, immunodeficiency, cancer, reduced fertility**? Do they have congenital onset? To answer, use a severity scale of: **never, rarely, often, always**. Do not consider indirect effects. You must provide the output in python code as a data frame called df with columns: phenotype, intellectual\_disability, death, impaired\_mobility, physical\_malformations, blindness, sensory\_impairments, immunodeficiency, cancer, reduced\_fertility, congenital\_onset. Also add a separate **justification** column for each outcome, e.g. death, death\_justification. These are the phenotypes: *Osteomyelitis leading to amputation due to slow healing fractures; Mesomelic arm shortening*. Placeholders are not acceptable.

b

## Clinical characteristic occurrence

