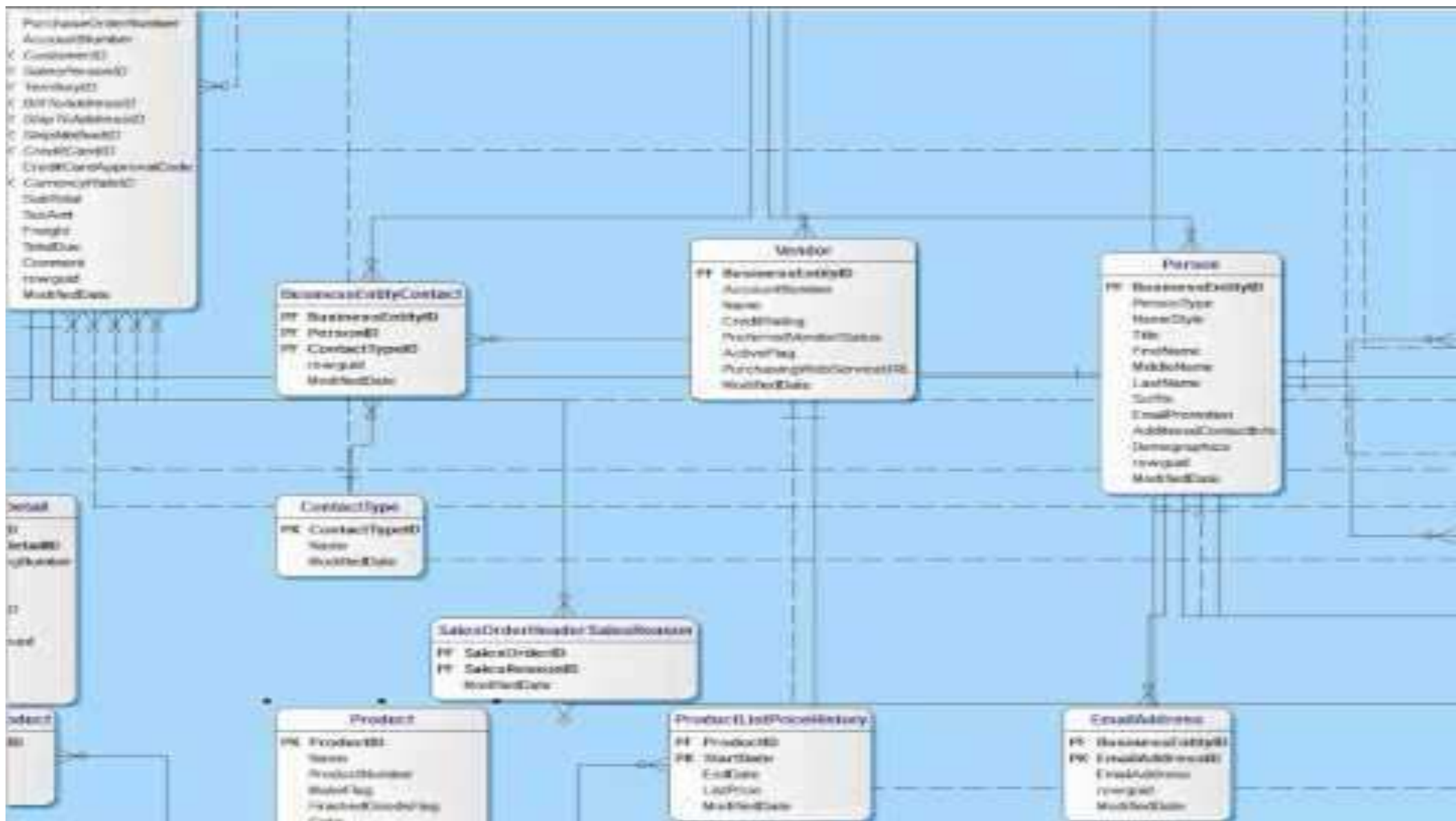


# Star Schema

Michael Neumann



<https://www.youtube.com/watch?v=q77B-G8CA24>

## Star Schema [M. Neumann]

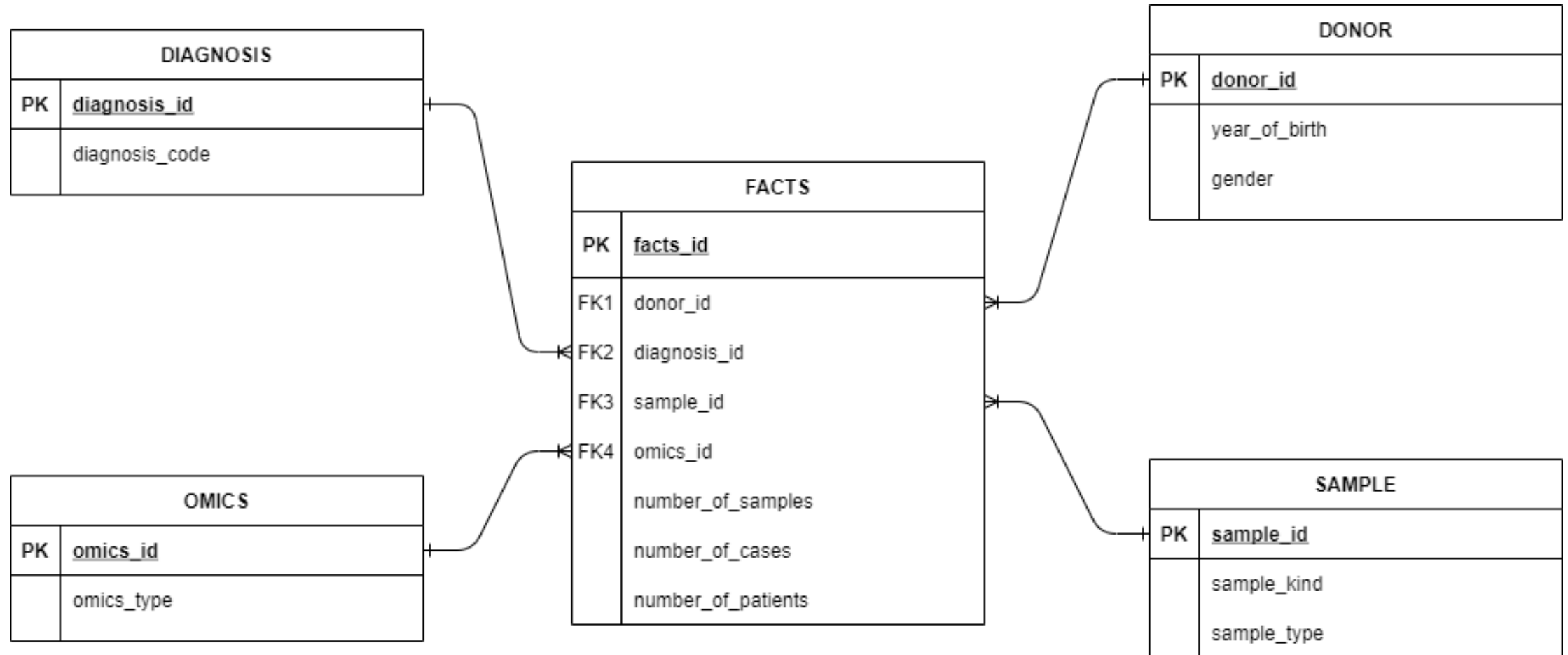


# Star Schema – Why ?

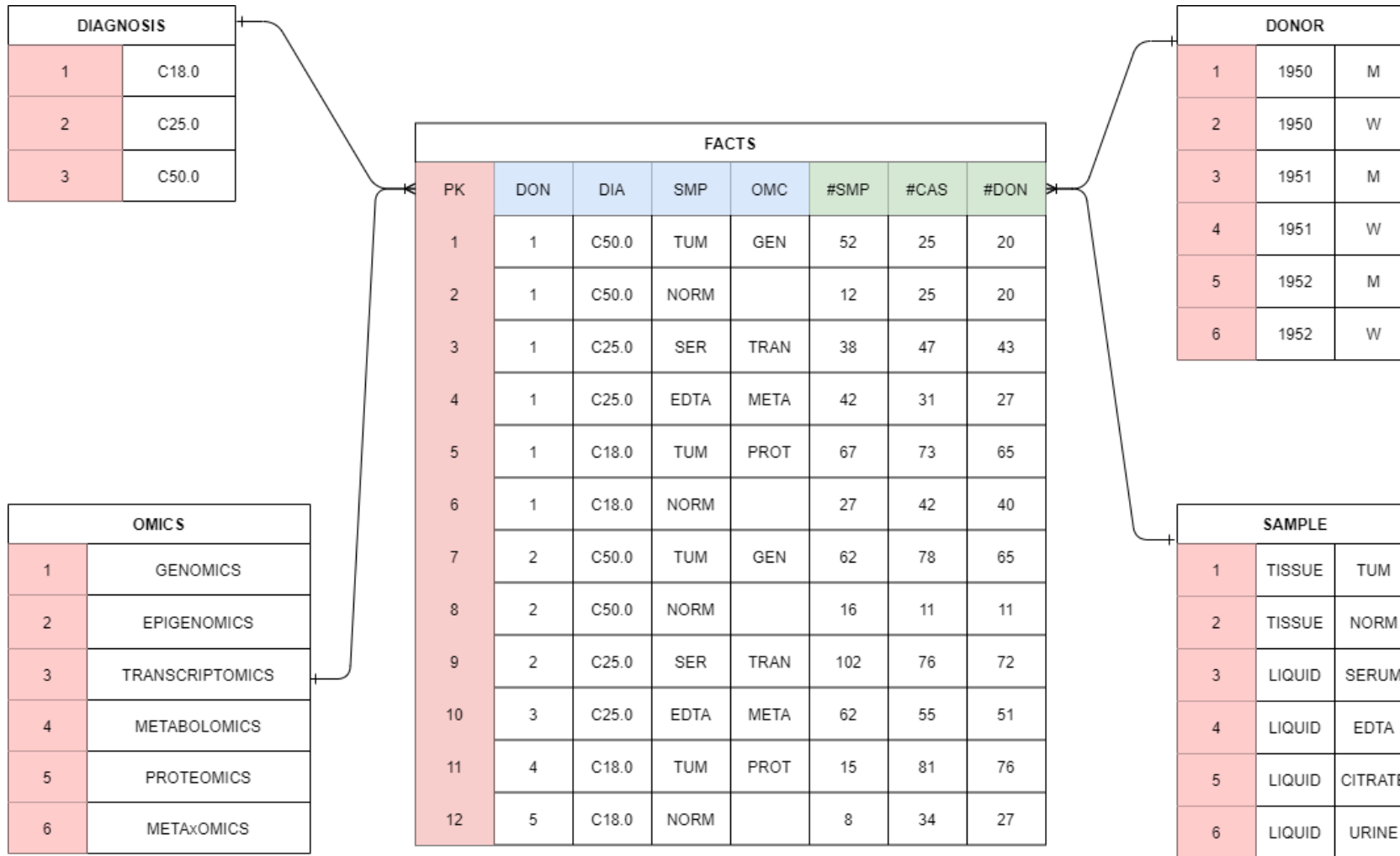
- Optimized for Queries
- De-normalized
  - simple
  - fast
  - redundand data – 'wasting' space

```
select
    sum(f.patients) as iNUMPATIENTS
from starModel.facts f
    inner join starModel.dimension_1 d1 on f.dim1key = d1.dim1key
    inner join starModel.dimension_2 d2 on f.dim2key = d2.dim2key
    inner join starModel.dimension_3 d3 on f.dim3key = d3.dim3key
where
    d1.attribute = 'd1value'
    d2.attribute = 'd2value'
    d3.attribute = 'd3value'
;
```

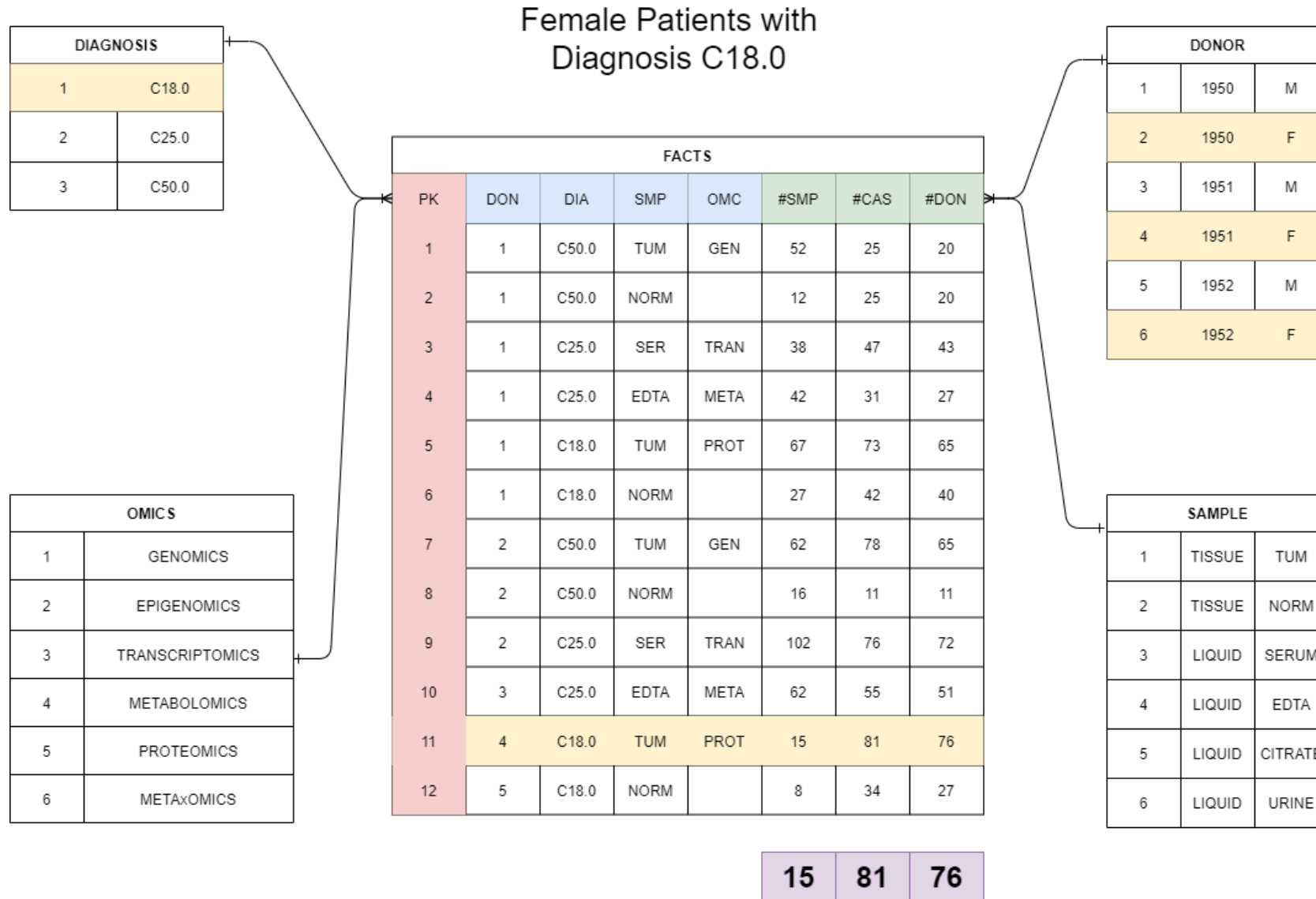
# Star Model Conept for MIABIS Core



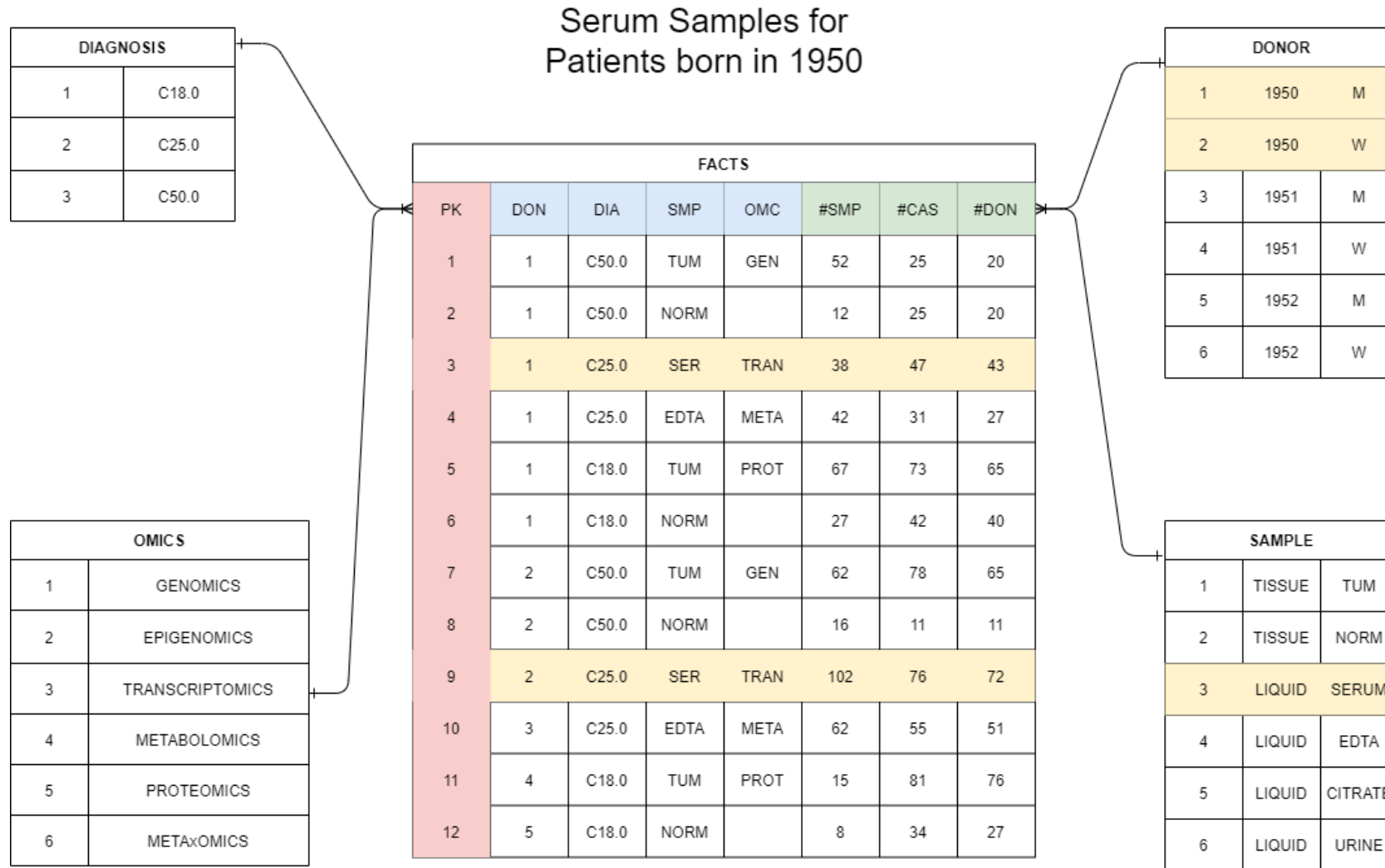
# Star Model Example Data



# Star Model Example Query



# Star Model Example Query



**140 123 115**



# Star Model Example Query

