

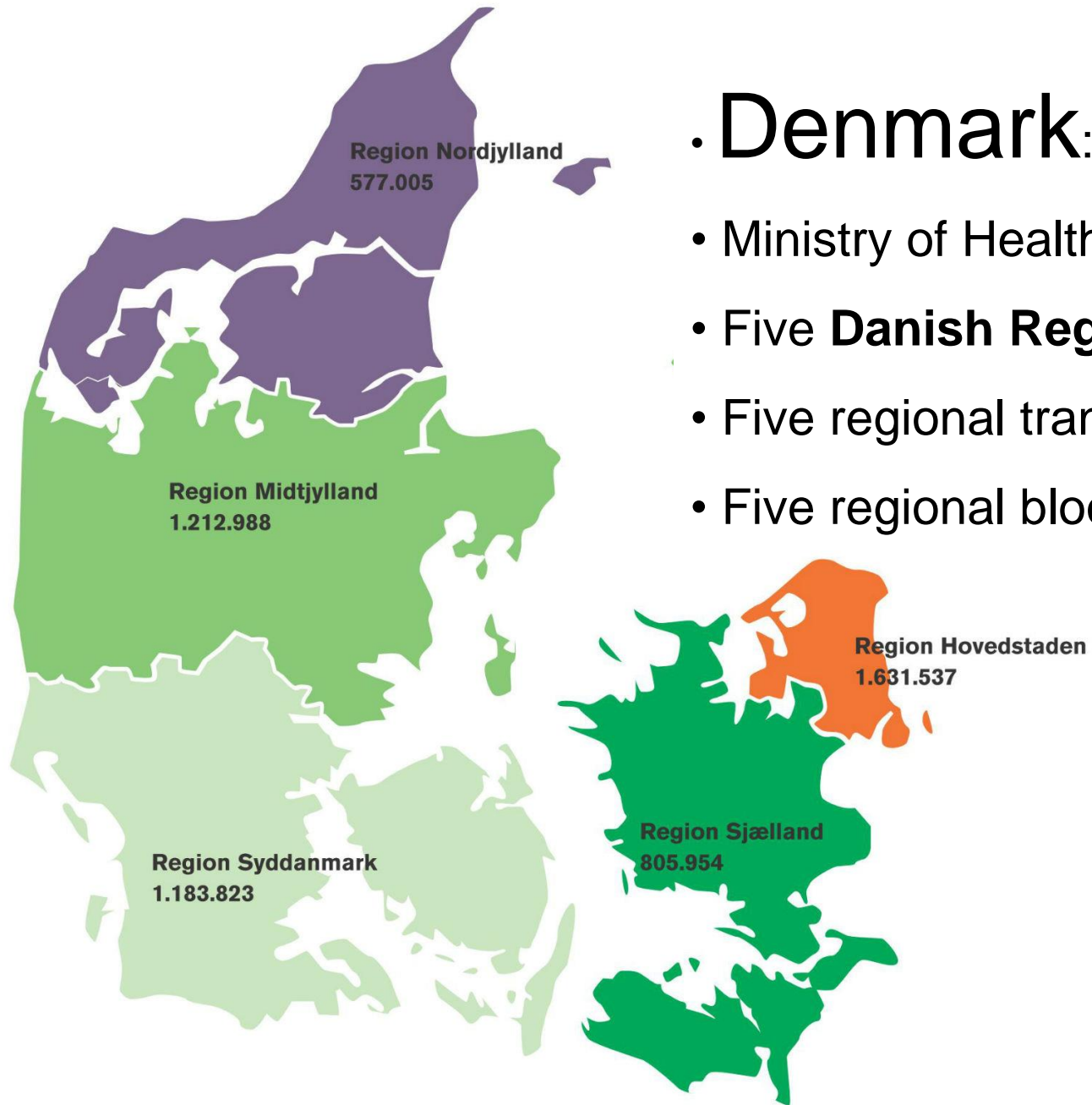
PLASMA SUPPLY AND PLASMA-DERIVED MEDICINAL PRODUCTS MANUFACTURING:

EXPERIENCES FROM DENMARK

Morten Bagge Hansen (Copenhagen)

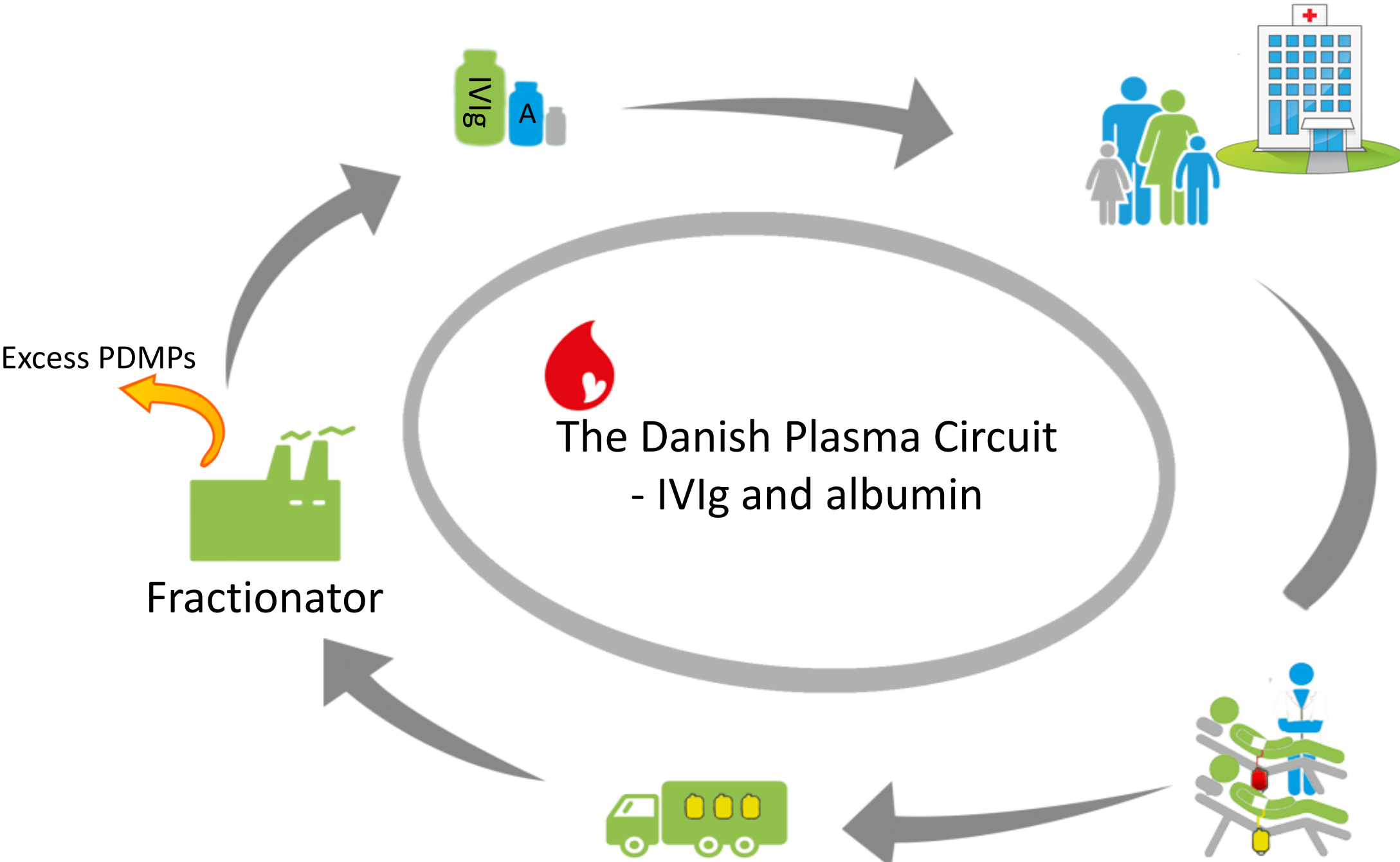
Contents

- The blood supply in Denmark
- The developments in
 - the consumption of blood products and PDMPs
 - the deliveries of plasma for fractionation
- The Danish plasma circuit
- Co-operation with CSL Behring (2004 - 2023)
- Status on plasma (immunoglobulin) self-sufficiency
- The next 5 years...

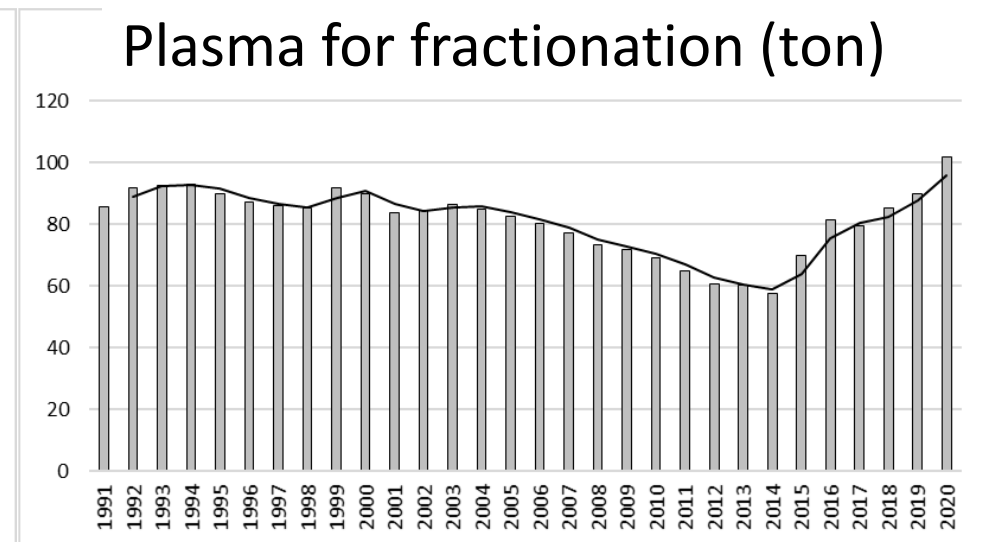
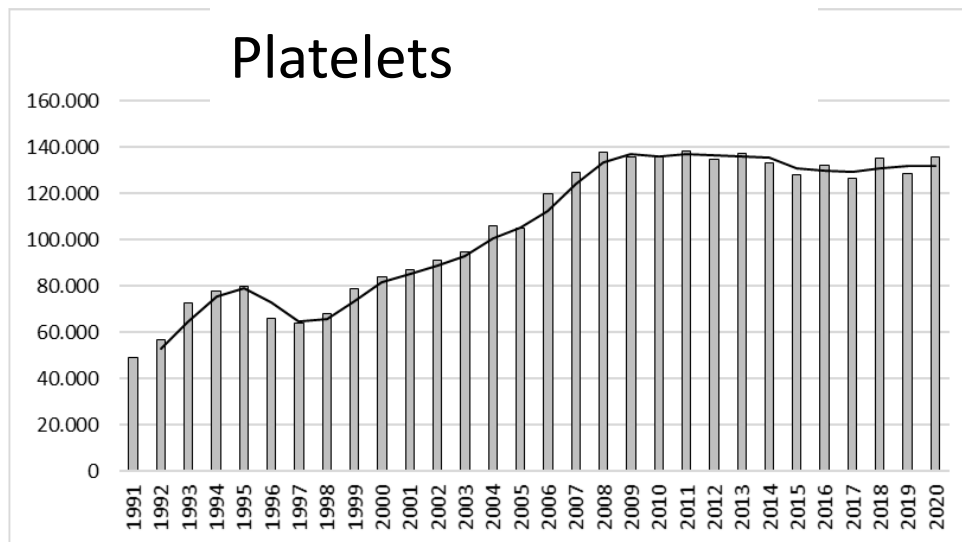
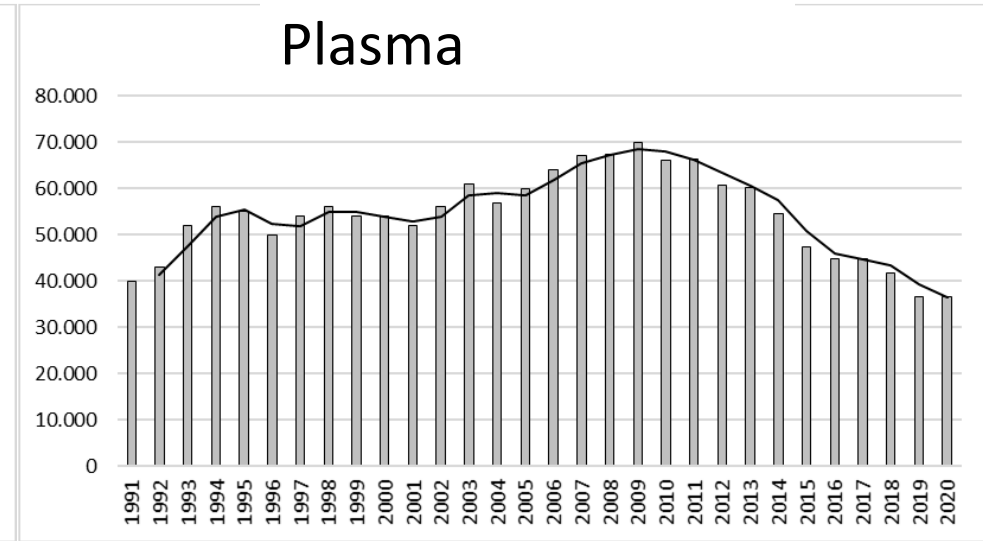
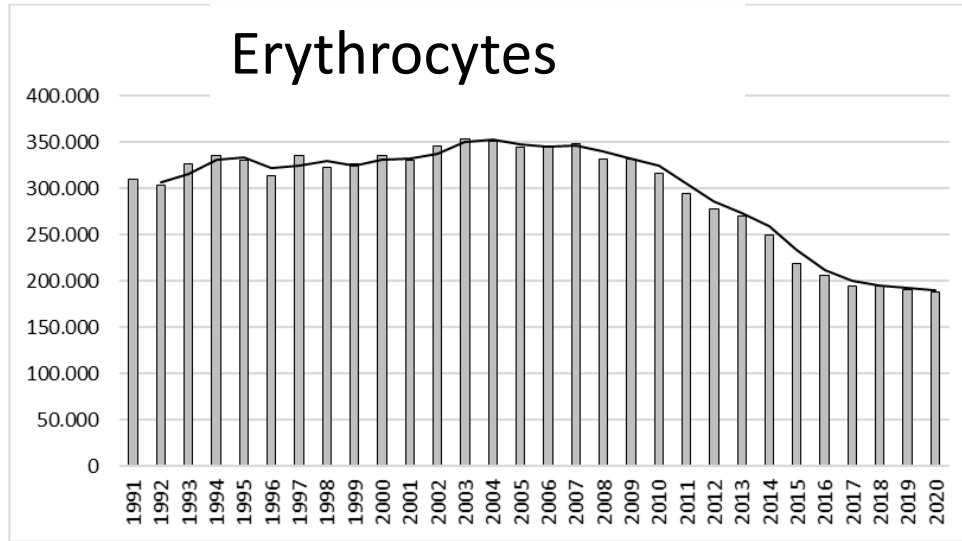


• **Denmark:** 5.8 mio inh.

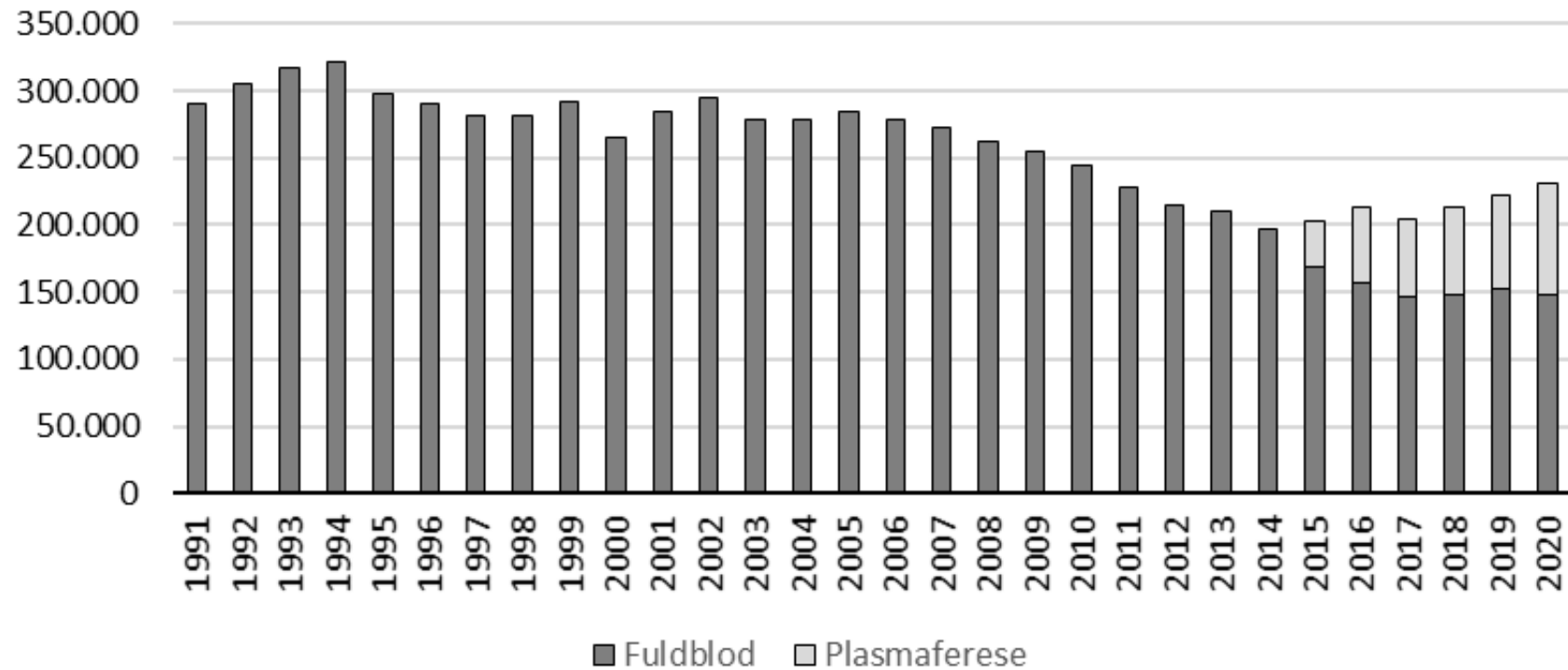
- Ministry of Health → the competent authority
- Five **Danish Regions** (health care - 50 hospitals)
- Five regional transfusion centres (OTCD)
- Five regional blood donor associations (BD)



Developments in blood consumption

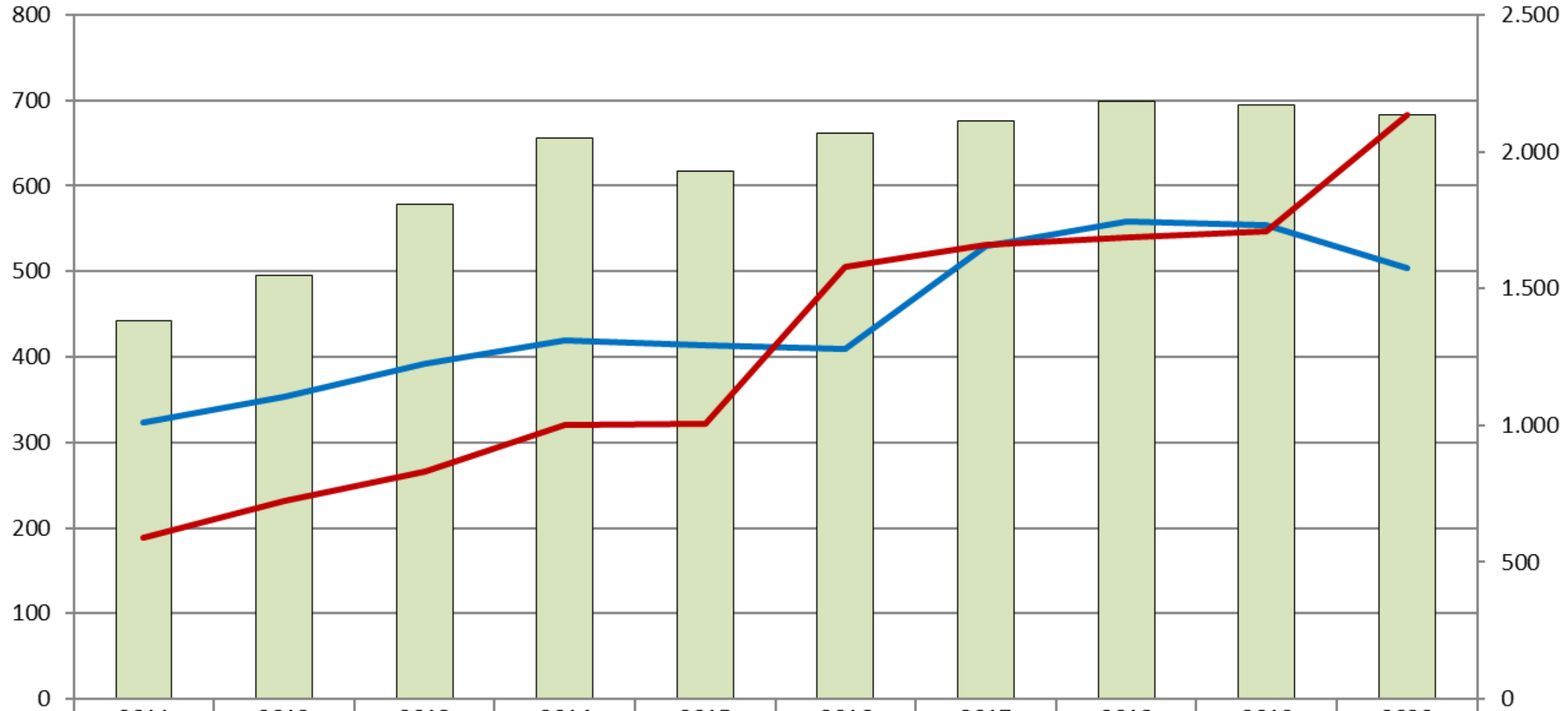


Plasma for fractionation (units)



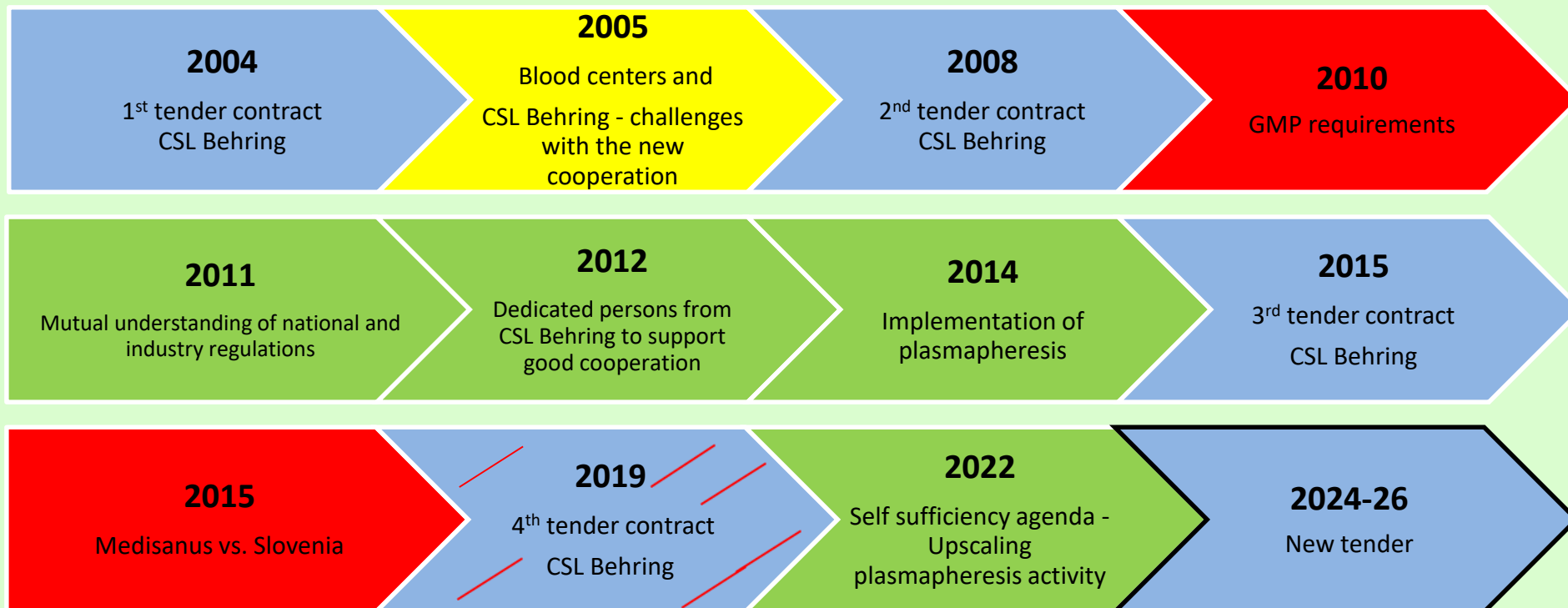
IVIg and albumin

Consumption of PDMP - 2011-2020



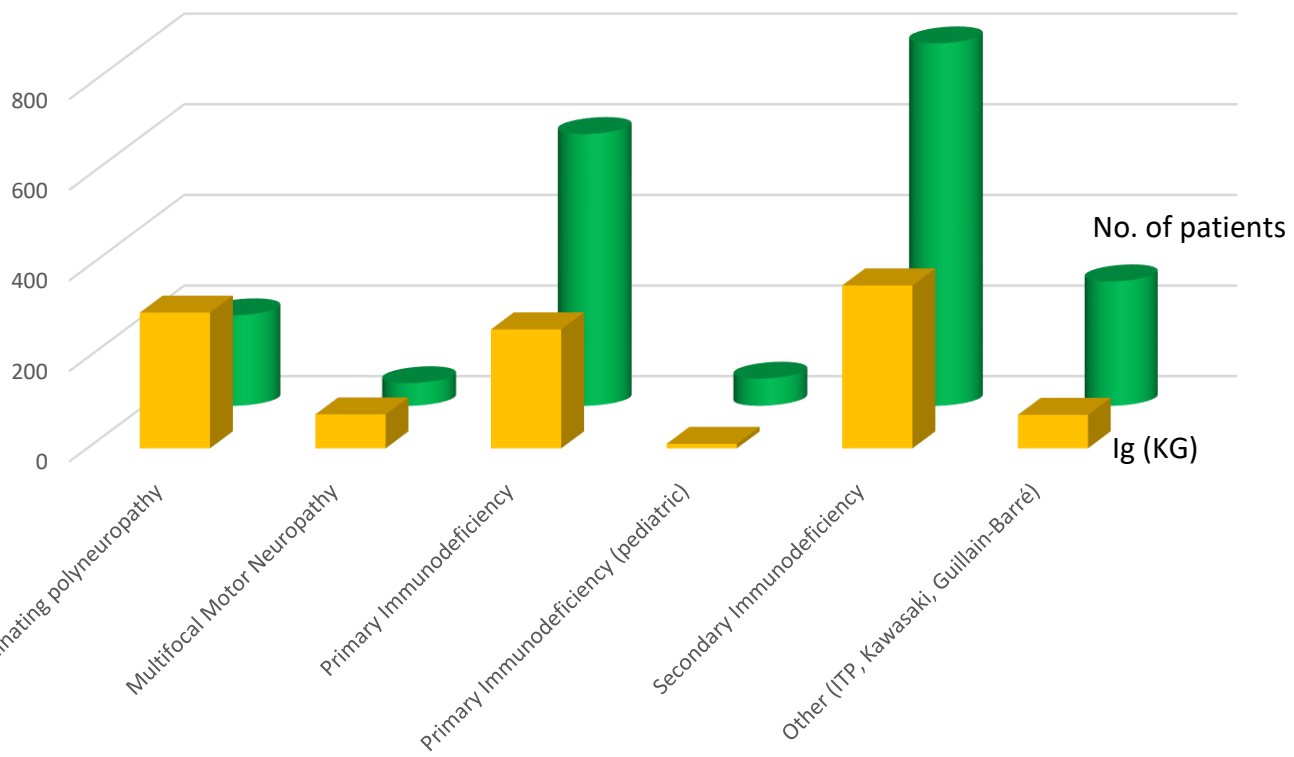
kg albumin	1.382	1.547	1.807	2.049	1.931	2.068	2.114	2.185	2.171	2.137
kg IVIG	323	353	392	420	414	409	529	558	554	504
kg SCIG	189	231	266	321	322	505	531	539	547	683

Since 2004, Denmark has cooperated with CSL Behring – during 4 tender contract periods

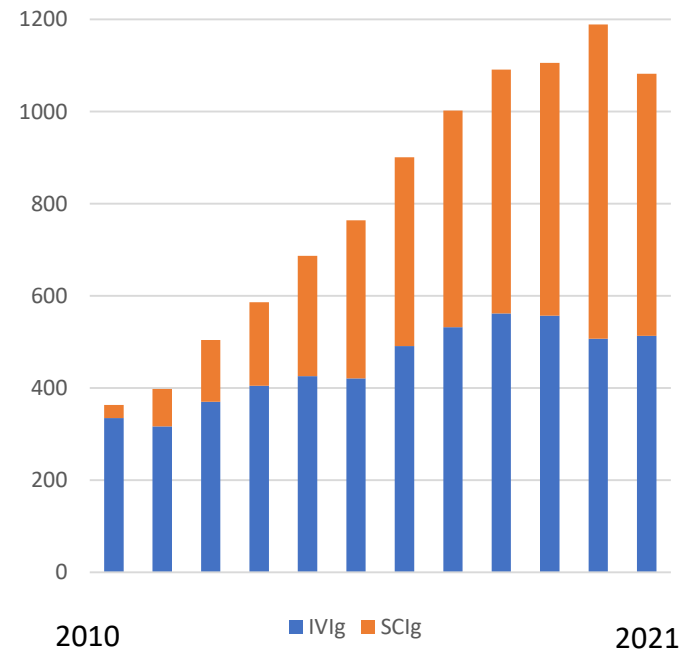


Immunoglobulin usage in Denmark

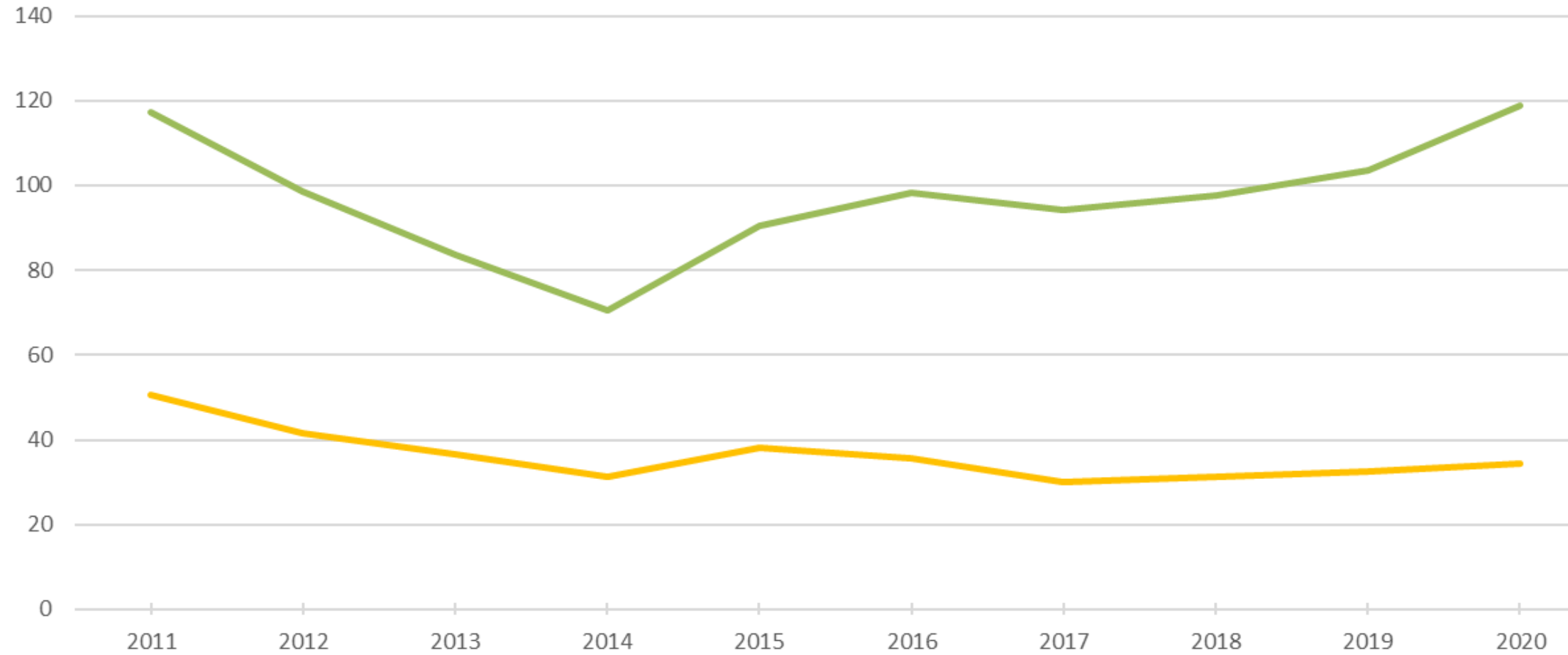
IgG-indications



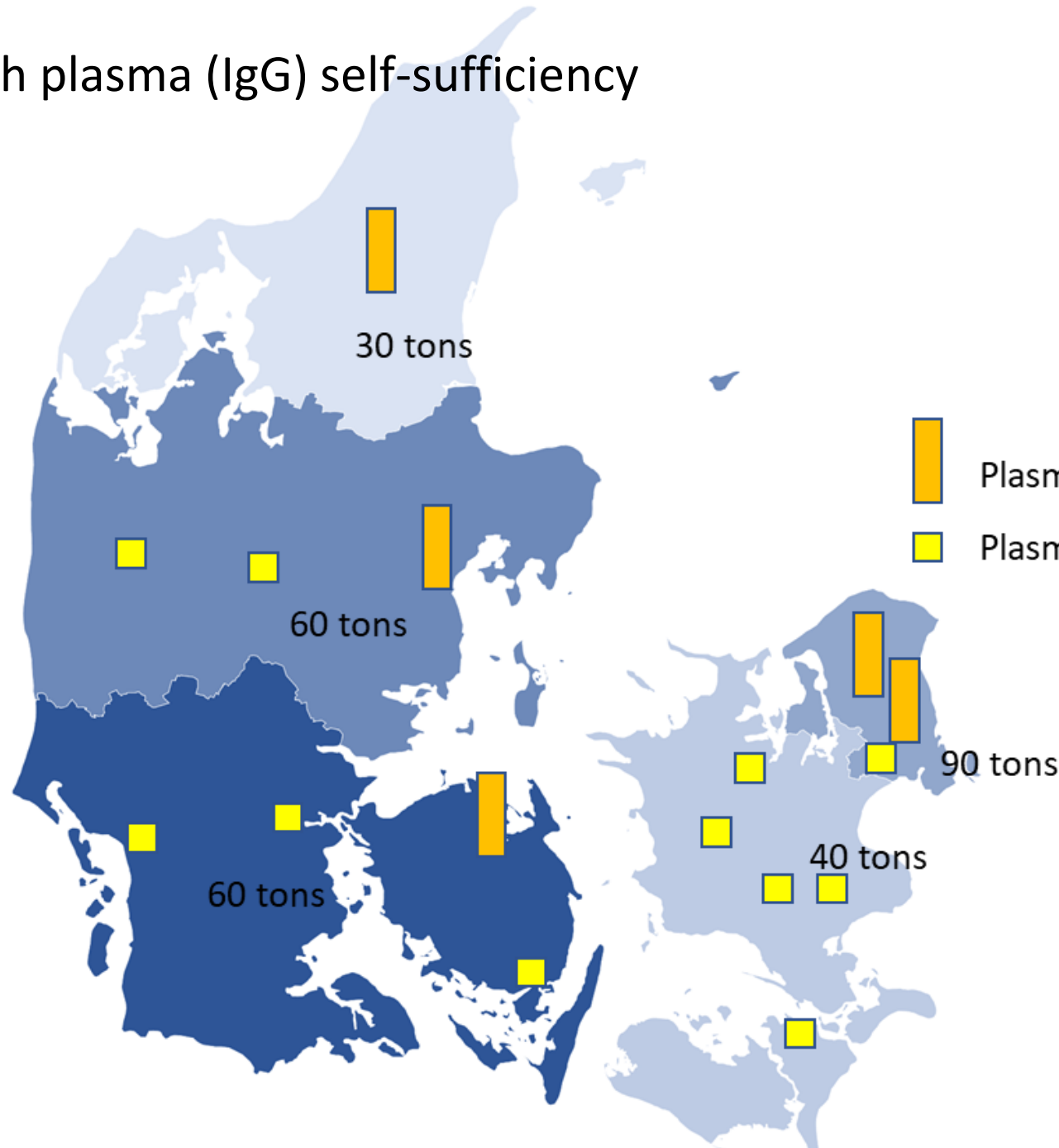
Plasma-demand





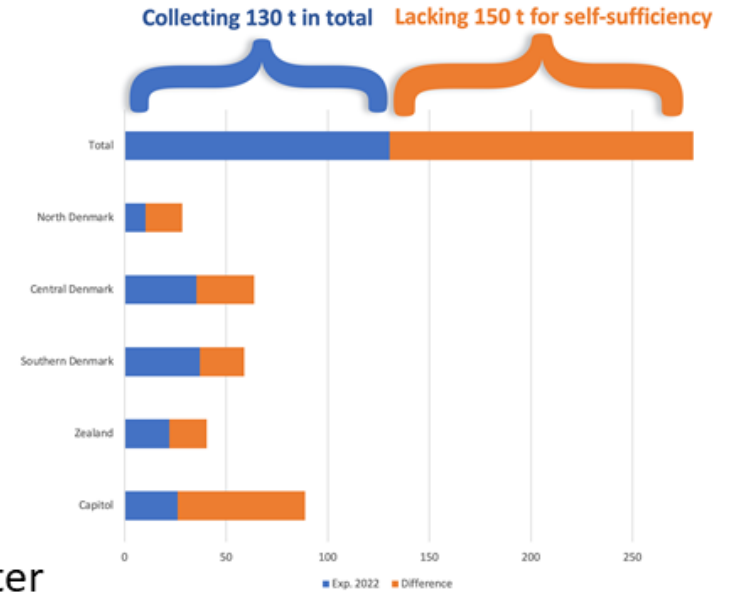
Degree of self-sufficiency with plasma derivatives from plasma 2011-2020



Danish plasma (IgG) self-sufficiency



-  Plasmacenter
-  Plasmapheresis in BE



Plasma for fractionation:
22 kg/1000 inh. → 50 kg/1000 inh.

The next 5 years...

- **Self sufficiency: Plasma for fractionation, 22 kg → 50 kg/1000 inh.**
- **Establish 6 plasma-centers (4 more than now)**
 - and expand the number of blood banks doing plasmapheresis
- **Recruitment and retainment of plasma donors**
 - Encourage the donor organisations to increase recruitment
 - Communicate the medical need and ease of donation to the public
- **The next national tender (2024)**
 - Encourage Danish Regions to include both IVIg and SCIg and possibly other PDMPs to consolidate self-sufficiency
 - Challenge the Medisanus vs. Slovenia ruling (toll fractionation)
 - Give priority to fractionators with higher IG yields
 - ie. 4 -> 5 g / kg plasma