

Improving Pregnancy & Childbirth

Vitamin D Association

Wellcome Conference Centre, London

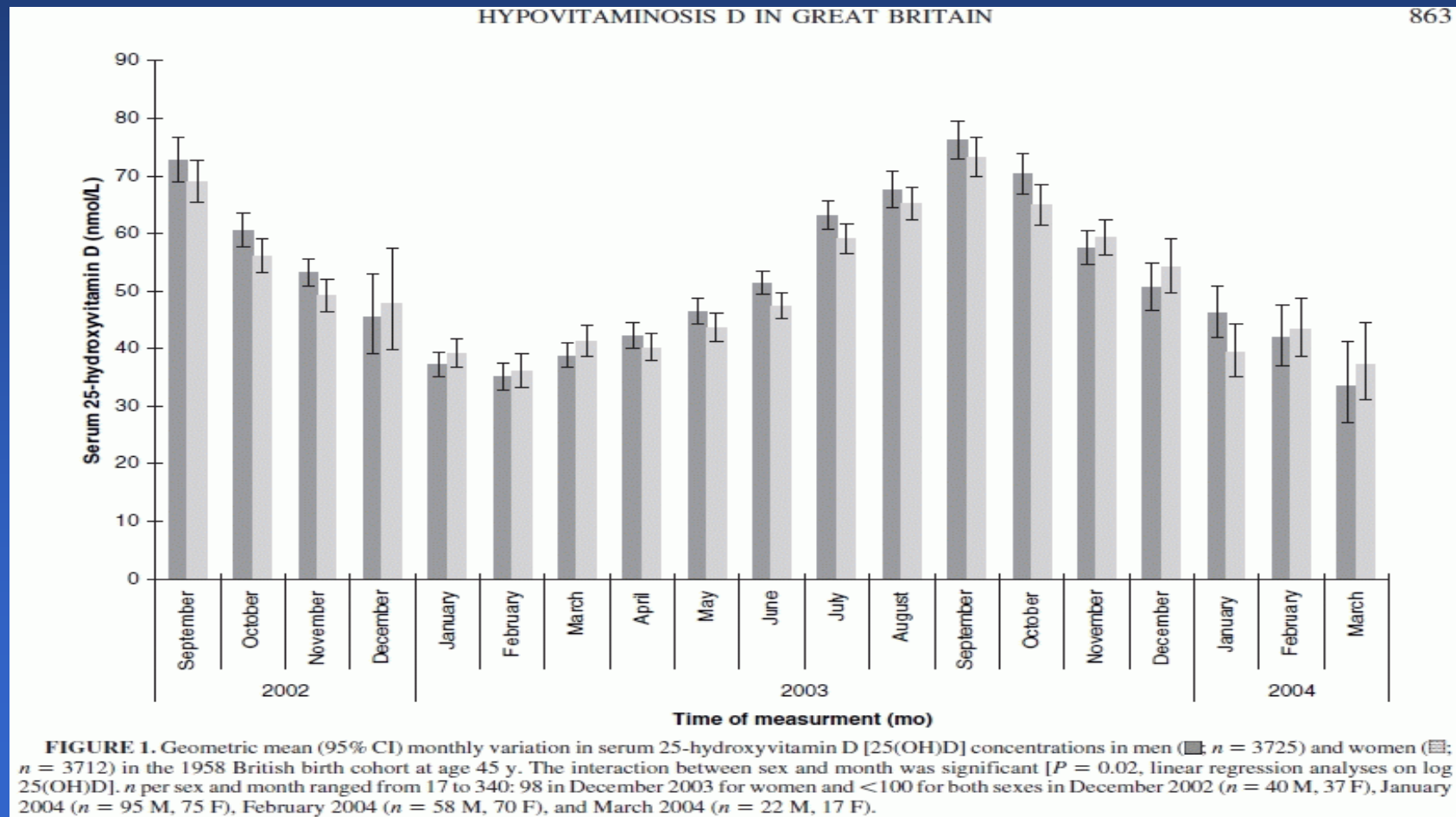
May 17, 2011

Rufus Greenbaum

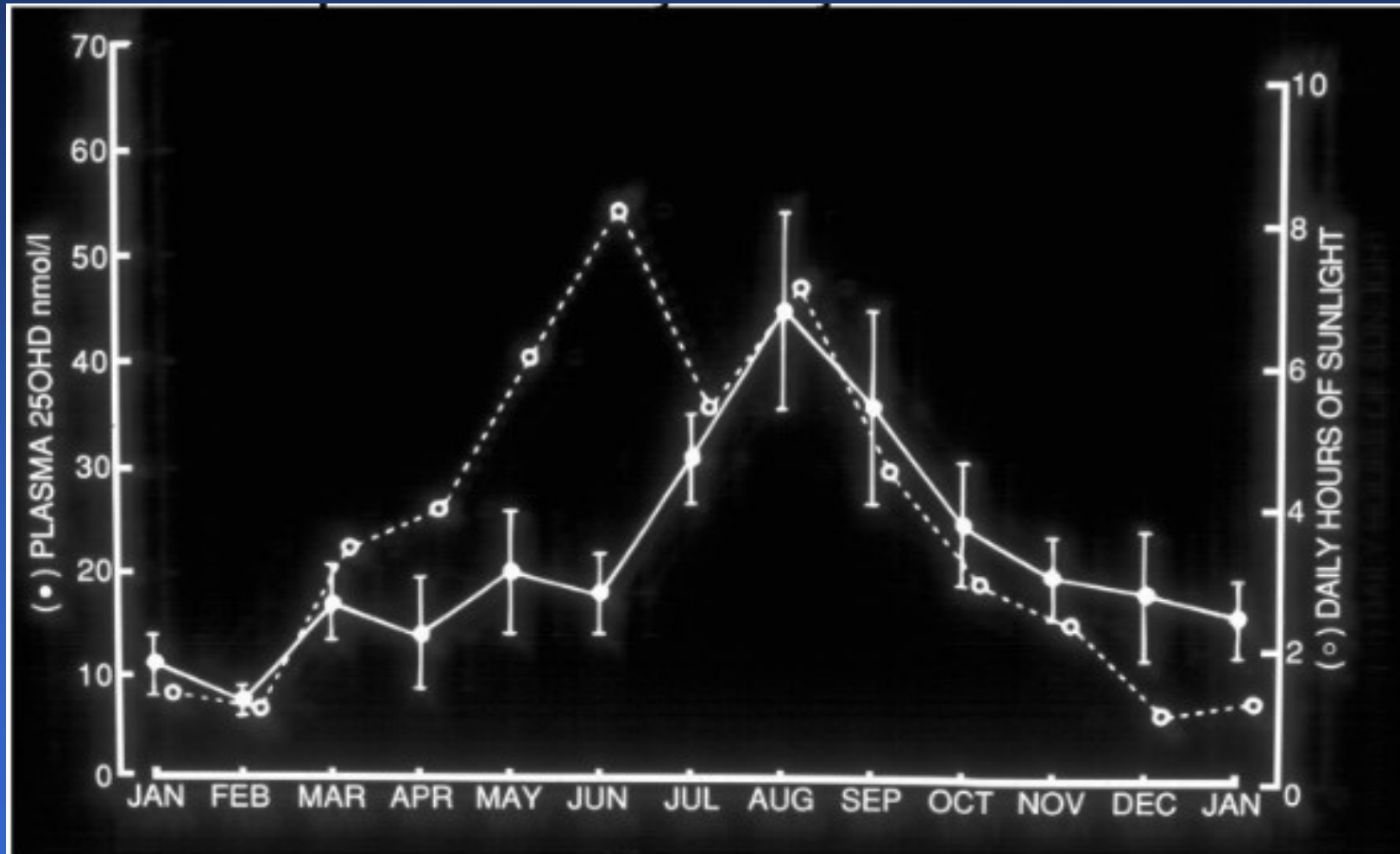
www.vitamindassociation.org

rufus@vitamindassociation.org

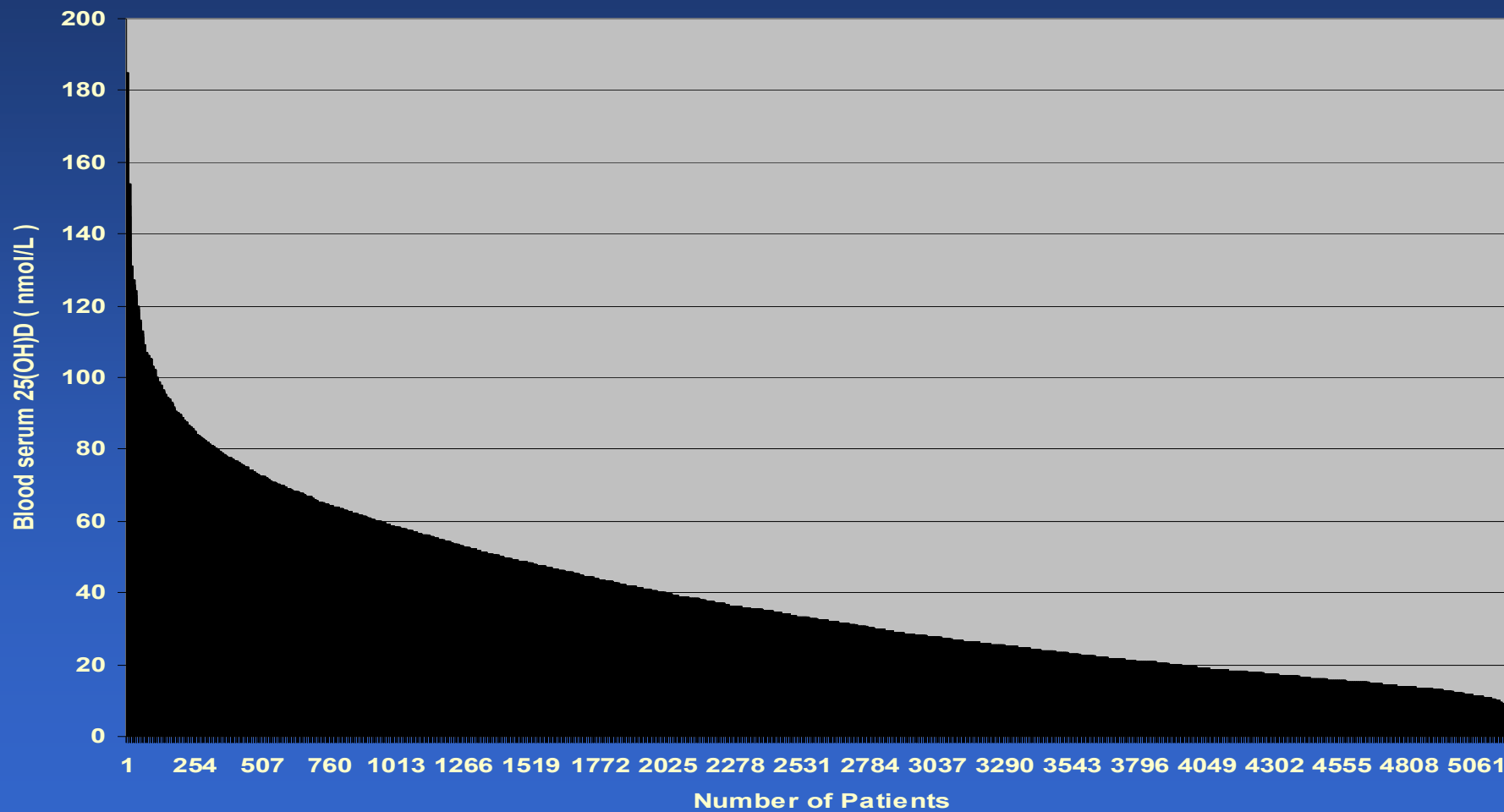
UK Data – England (50–55°N)



UK Data – Scotland (56-57°N)



UK Hospitals – Ealing



UK Hospitals – Ealing

17 infants admitted from 2006 to 2008

- hypocalcaemic seizures, secondary to vitamin D deficiency
- majority had raised alkaline phosphatase and parathyroid hormone levels
- many had delays in achieving gross motor milestones especially in walking, as was reported in Victorian times.

Small numbers of cases presented with cardiac failure, clinical rickets, tuberculosis, fractures and respiratory complications including wheezing in infancy.

**Dr Colin Michie
Consultant Paediatrician
Ealing Hospital**

UK Hospitals – St Mary's Paddington

Dear Rufus,

We all recognise this is a very serious problem and last year we had some very sick children presenting here with seizures, Stridor and heart failure due to vit D deficiency.

Please make contact with Dr Mike Coren who is our lead for vit D. I am sure he would be interested to collaborate with you.

Hermione Lyall MD

Consultant Paediatrician, Infectious Diseases

Chief of Service for Paediatrics

Imperial College Healthcare NHS Trust

Sep 17, 2010

Short, Medium & Long-term problems

Short (weeks)

Muscle pain, Infection

Medium (months)

Rickets, Psoriasis, Hypertension, Depression
Insulin resistance, Influenza, Falls in elderly,
Infertility, Gestational Diabetes, Pre-Eclampsia
Crohn's, Asthma +++ ???

Long (years)

Cancers, Multiple Sclerosis, Osteoporosis
Alzheimer's, Parkinson's

Today we will hear more about the status of the evidence