Supplementary File 2. Sample EMBASE search strategy

Topic		Search Term
i. prevalence and incidence	1	dynapen* OR "muscle weakness"
	2	obes* OR fat OR bmi*
	3	1 & 2
	4	aged OR older OR geriatr*
	5	3 & 4
	6	prevalence OR inciden*
	7	5 & 6
ii. Association with chronic disease and multimorbidity	8	condition OR "condition count"
	9	disease OR "disease count"
	10	multimorbid* OR " multi morbid*"
	11	5 & (8 OR 9 OR 10)
iii. Association with functional disability	12	disab* OR function* OR ADL or "daily activit*"
	13	5 & 12
iv. Association with healthcare utilisation	14	hospital* AND admission
	15	hospital* AND stay
	16	hospital* AND visit
	17	"emergency ward" OR "emergency health service"
	18	"health service" AND (use OR utilis*)
	19	"general practitioner" OR "health practitioner" AND (visit OR appointment)
	20	5 & (14 OR 15 OR 16 OR 17 OR 18 OR 19)
Apply human studies and English language only filters for all		