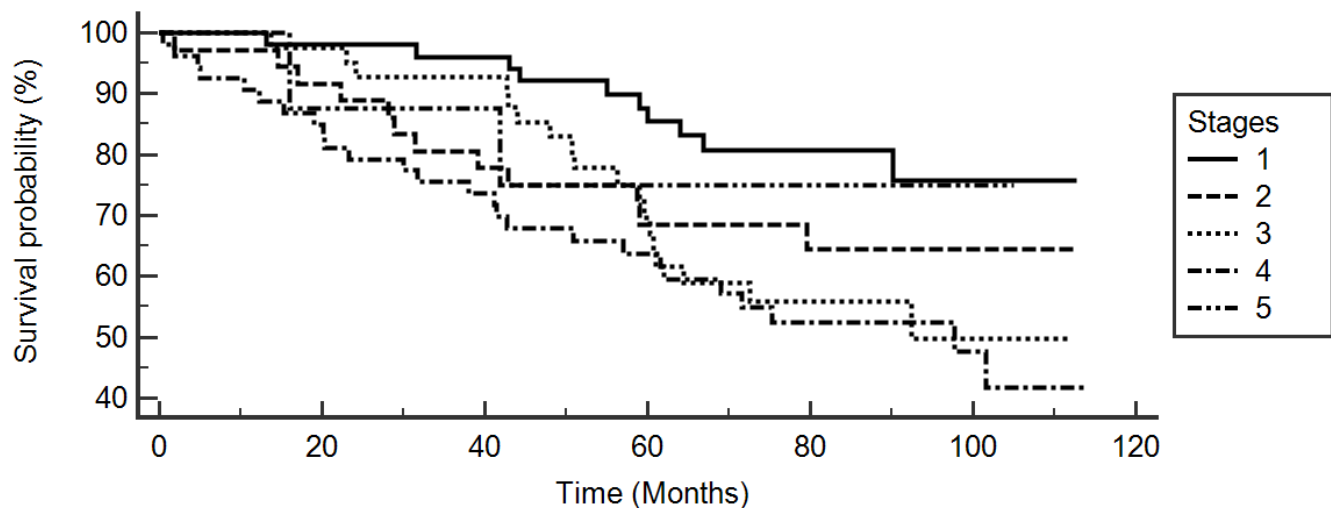


Survival analysis for the 5 stages based on z score (proposed by Quanjer *et al.*)
(Log rank test $P = 0.03$)



Number at risk						
Stage: 1	51	50	49	38	21	13
Stage: 2	36	33	28	21	16	7
Stage: 3	41	40	38	26	19	2
Stage: 4	53	45	39	30	21	9
Stage: 5	8	7	7	6	3	2

SUPPLEMENTARY FIGURE S2 a)

SUPPLEMENTARY FIGURE S2 Kaplan–Meier survival curves according to the stages of COPD

based on: a) z scores of FEV_1 using the 5-stage cutoff values as proposed by Quanjer *et al.* [1]; b)

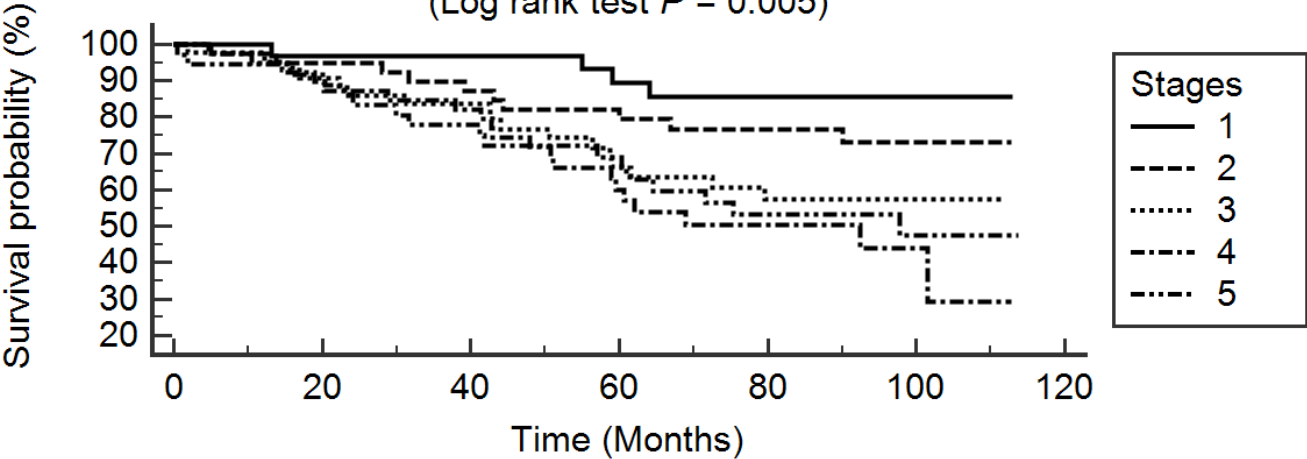
$FEV_1 \cdot Ht^{-3}$ using quintiles as cutoff values as proposed by Pedone *et al.* [2]

REFERENCES FOR SUPPLEMENTARY FIGURE S2

- 1 Quanjer PH, Pretto JJ, Brazzale DJ, *et al.* Grading the severity of airways obstruction: new wine in new bottles. *Eur Respir J* 2014; 43: 505–512.
- 2 Pedone C, Scarlata S, Scichilone N, *et al.* Alternative ways of expressing FEV_1 and mortality in elderly people with and without COPD. *Eur Respir J* 2013; 41: 800–805.

Survival analysis for stages based on quintiles of $(FEV_1)/(Ht^3)$

(Log rank test $P = 0.005$)



Number at risk

Stage: 1	32	31	31	24	11	7	0
Stage: 2	39	37	34	30	24	11	0
Stage: 3	43	39	36	25	17	4	0
Stage: 4	39	35	32	20	13	3	0
Stage: 5	36	33	28	22	15	8	0

SUPPLEMENTARY FIGURE S2 b)