

99DOTs Post-treatment survey: Exploratory Data Analysis

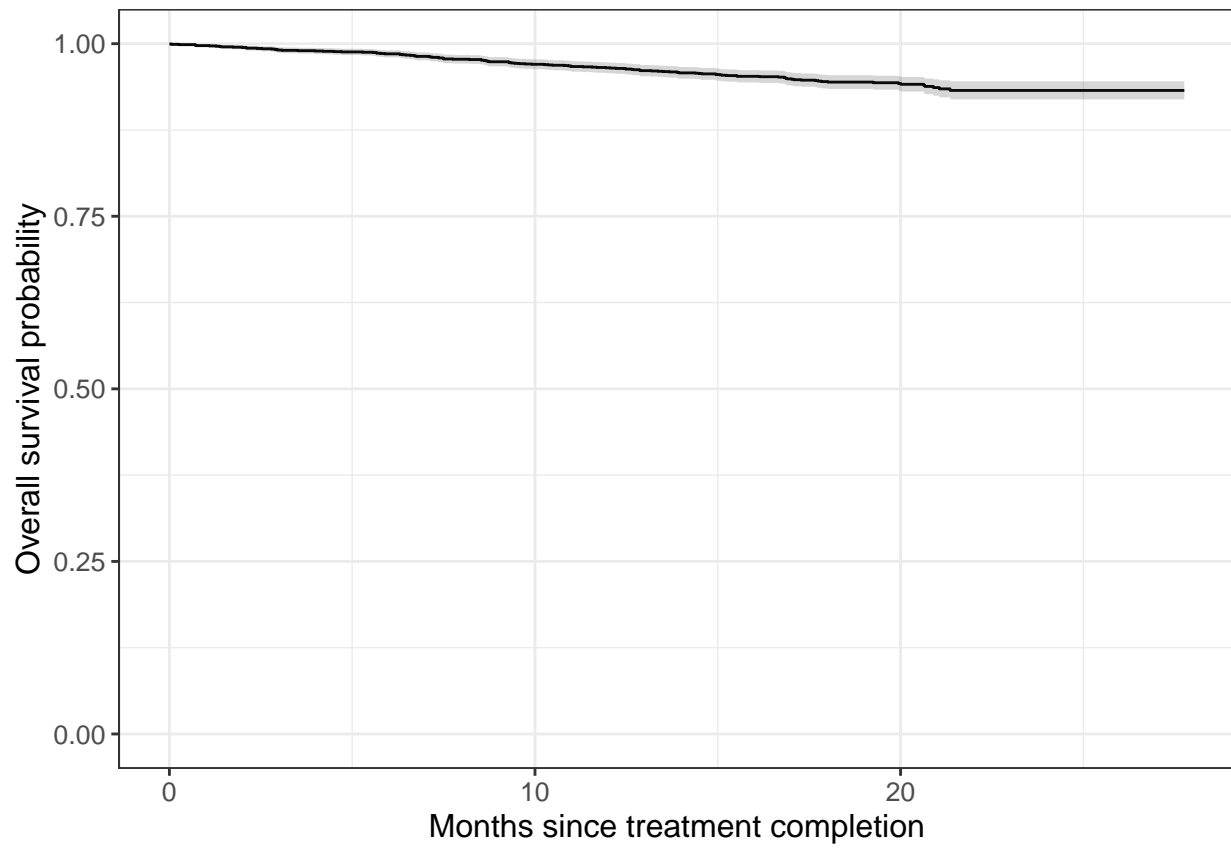
Sophie Huddart

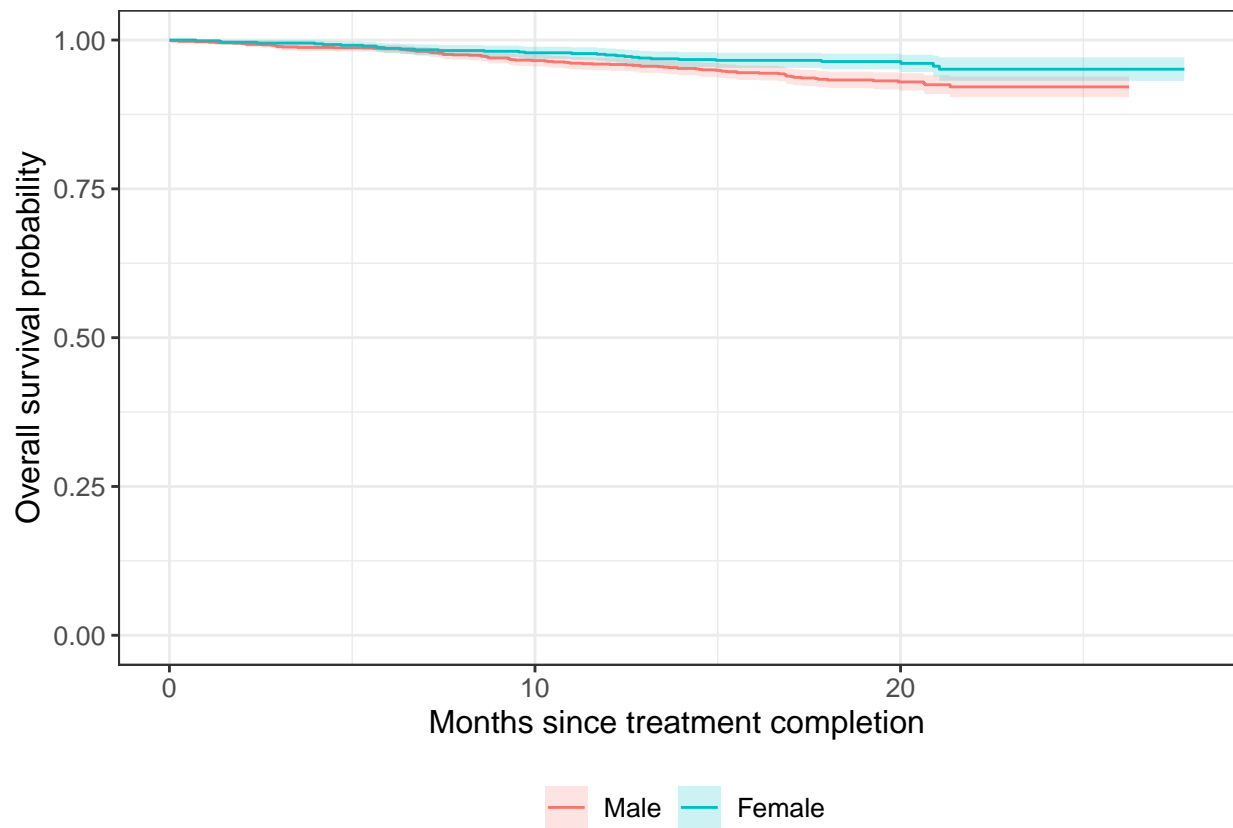
2023-08-22

Patient Summary

	Not traced (N=209)	Successfully traced (N=2197)	Overall (N=2406)
Age (years)			
Mean (SD)	35.9 (11.7)	37.8 (13.1)	37.6 (13.0)
Median [Min, Max]	35.0 [18.0, 76.0]	36.0 [3.00, 90.0]	35.5 [3.00, 90.0]
Missing	1 (0.5%)	23 (1.0%)	24 (1.0%)
Gender			
Male	150 (71.8%)	1376 (62.6%)	1526 (63.4%)
Female	58 (27.8%)	798 (36.3%)	856 (35.6%)
Missing	1 (0.5%)	23 (1.0%)	24 (1.0%)
HIV status			
Negative	136 (65.1%)	1307 (59.5%)	1443 (60.0%)
Positive	72 (34.4%)	865 (39.4%)	937 (38.9%)
Missing	1 (0.5%)	25 (1.1%)	26 (1.1%)
Patient category			
New	189 (90.4%)	2032 (92.5%)	2221 (92.3%)
Relapse	14 (6.7%)	119 (5.4%)	133 (5.5%)
Failure	2 (1.0%)	8 (0.4%)	10 (0.4%)
LTFU	3 (1.4%)	13 (0.6%)	16 (0.7%)
Missing	1 (0.5%)	25 (1.1%)	26 (1.1%)
Diagnosis category			
Bacteriologically confirmed PTB	131 (62.7%)	1384 (63.0%)	1515 (63.0%)
Clinical PTB	72 (34.4%)	736 (33.5%)	808 (33.6%)
EPTB	5 (2.4%)	54 (2.5%)	59 (2.5%)
Missing	1 (0.5%)	23 (1.0%)	24 (1.0%)
Diagnosed using signs and symptoms only?			
No	184 (88.0%)	1962 (89.3%)	2146 (89.2%)
Yes	24 (11.5%)	209 (9.5%)	233 (9.7%)
Missing	1 (0.5%)	26 (1.2%)	27 (1.1%)
Year of treatment initiation			
2019	0 (0%)	1 (0.0%)	1 (0.0%)
2020	109 (52.2%)	1207 (54.9%)	1316 (54.7%)
2021	100 (47.8%)	984 (44.8%)	1084 (45.1%)
Missing	0 (0%)	5 (0.2%)	5 (0.2%)
Treatment outcome			
Cure	105 (50.2%)	1229 (55.9%)	1334 (55.4%)
Treatment completed	86 (41.1%)	900 (41.0%)	986 (41.0%)
LTFU	18 (8.6%)	55 (2.5%)	73 (3.0%)
Treatment failed	0 (0%)	13 (0.6%)	13 (0.5%)
EQ-5D Utility Index			
Mean (SD)	NA (NA)	0.841 (0.248)	0.841 (0.248)
Median [Min, Max]	NA [NA, NA]	0.919 [-1.12, 1.00]	0.919 [-1.12, 1.00]
Missing	209 (100%)	144 (6.6%)	353 (14.7%)
Patient reported deceased at survey			
Yes	0 (0%)	143 (6.5%)	143 (5.9%)
No	209 (100%)	2054 (93.5%)	2263 (94.1%)

Kaplan Meir curves

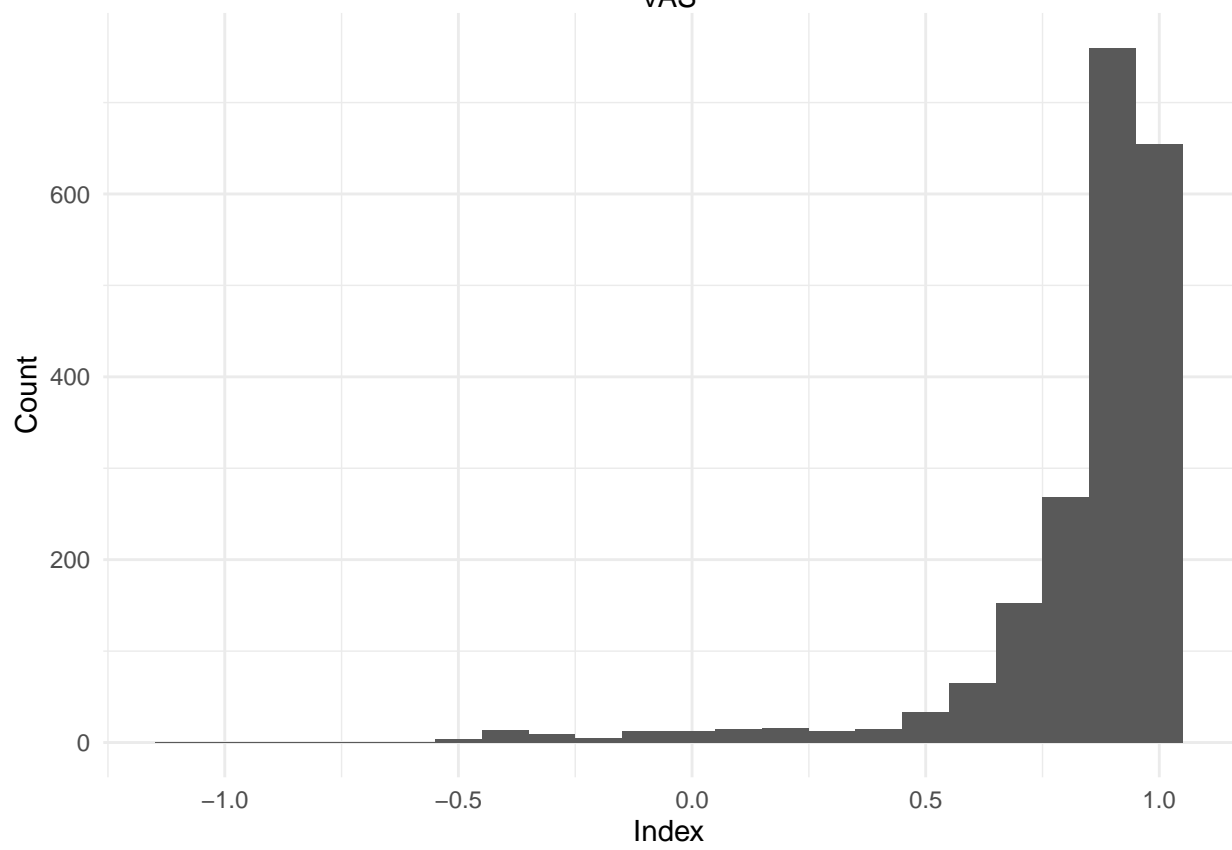
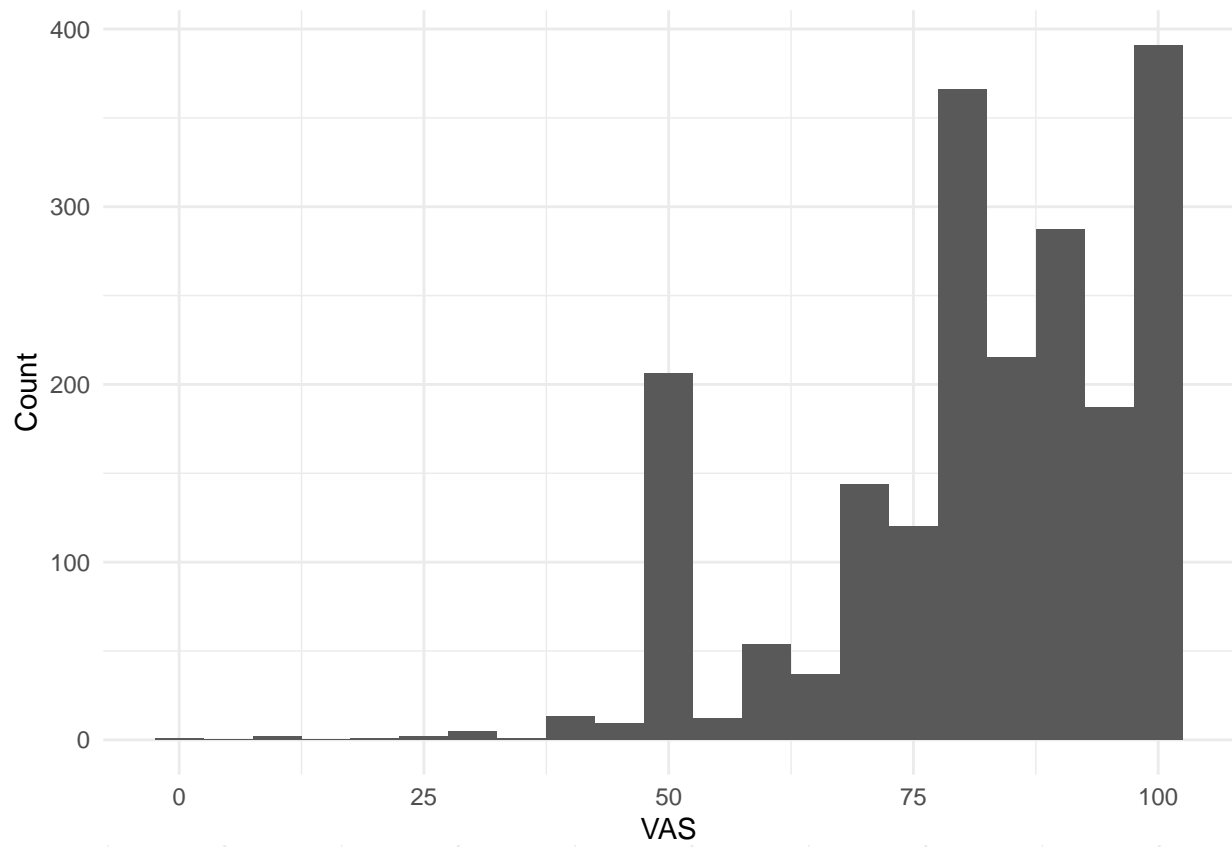




EQ-5D summary

The index value is a summary of the 5 domain responses and the VAS and is benchmarked against a country-specific value set. A value of 1 indicates perfect health, 0 indicates equivalent to death, and negative values indicate states worse than death.

	Overall
	(N=2054)
Mobility issues?	
No	1544 (75.2%)
Slight	340 (16.6%)
Moderate	86 (4.2%)
Severe	75 (3.7%)
Unable	8 (0.4%)
Missing	1 (0.0%)
Self-care issues?	
No	1939 (94.4%)
Slight	88 (4.3%)
Moderate	14 (0.7%)
Severe	11 (0.5%)
Unable	2 (0.1%)
Usual activities issues?	
No	1428 (69.5%)
Slight	436 (21.2%)
Moderate	104 (5.1%)
Severe	65 (3.2%)
Unable	21 (1.0%)
Pain/discomfort issues?	
No	1318 (64.2%)
Slight	530 (25.8%)
Moderate	117 (5.7%)
Severe	85 (4.1%)
Very Severe	4 (0.2%)
Anxiety/depression issues?	
Not	1020 (49.7%)
Slightly	728 (35.4%)
Moderately	199 (9.7%)
Severely	96 (4.7%)
Very Severely	11 (0.5%)
VAS	
Mean (SD)	81.4 (16.2)
Median [Min, Max]	85.0 [0, 100]
Missing	1 (0.0%)
EQ-5D summary index	
Mean (SD)	0.841 (0.248)
Median [Min, Max]	0.919 [-1.12, 1.00]
Missing	1 (0.0%)



Preliminary QoL Model

	coefficient	CI lower	CI upper
(Intercept)	1.17	0.691	1.644
reg_sexFemale	-0.04	-0.063	-0.018
adh_tot_percent	0.00	0.000	0.000
Age per 5 year increase	-0.02	-0.022	-0.020
pt_typeRelapse	-0.04	-0.086	0.007
pt_typeFailure	-0.13	-0.295	0.042
pt_typeLTFU	0.07	-0.070	0.207
dx_typeClinical PTB	-0.02	-0.042	0.004
dx_typeEPTB	-0.04	-0.108	0.032
reg_hivPositive	0.05	0.030	0.074
treatment_outcome_binUnfavorable	-0.02	-0.089	0.050
treatment_start_year.x2020	-0.10	-0.573	0.380
treatment_start_year.x2021	-0.10	-0.122	-0.078