Descriptive transition tables of radiological severity by ART status

Sub- tables and structure:

No ART: No ART up to transition time point.

On ART: On Art at start of transition period or commenced ARTduring transition period.

Diagonal cells: no change in severity
Cells above diagonal: increase in severity
Cells below diagonal: decrease in severity

Time	No ART month=6				
No ART month = 0	**radiological severity**	**grade 0** n (%)	**grade 1** n (%)	**grade 2** n (%)	**total** n (%)
	grade 0	1 (9.1)	6 (54.6)	4 (36.4)	11 (100.0)
	grade1	0 (0.0)	39 (63.9)	22 (36.0)	61 (100.0)
	grade 2	1 (1.4)	11 (15.5)	59 (83.1)	71 (100.0)
	total	2 (1.4)	56 (39.2)	85 (59.4)	143 (100.0)
time	**ART month=6**				
ART month = 0	**radiological severity**	**grade 0** n (%)	**grade 1** n (%)	**grade 2** n (%)	**Total** n (%)
	grade 0	9 (53.0)	8 (47.0)	0 (0.0)	17 (100.0)
	grade1	2 (5.1)	29 (74.4)	8 (20.5)	39 (100.0)
	grade 2	0 (0.0)	14 (23.7)	45 (76.3)	59 (100.0)
	total	11 (9.6)	51 (44.3)	53 (46.1)	115 (100.0)

Transition period: 0-6 months

time	No ART month=12				
No ART month=6	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	Total n (%)
	grade 0	2 (100.0)	0 (0.0)	0 (0.0)	2 (100.0)
	grade1	7 (15.2)	24 (52.2)	15 (32.6)	46 (100.0)
	grade 2	2 (4.7)	5 (11.9)	35 (83.3)	42 (100.0)
	total	11 (12.2)	29 (32.2)	50 (55.6)	90 (100.0)
time	ART month=12				
ART month=6	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	Total n (%)
	grade 0	10 (100.0)	0 (0.0)	0 (0.0)	10 (100.0)
	grade1	10 (17.2)	40 (69.0)	8 (13.8)	58 (100.0)
	grade 2	2 (2.2)	14 (15.4)	75 (82.4)	91 (100.0)
	total	22 (13.8)	54 (34.0)	83 (52.2)	159 (100.0)

Transition period: 6-12 months

time	No ART month=18				
No ART month=12	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	5 (83.3)	1 (16.7)	0 (0.0)	6 (100.0)
	grade1	4 (20.0)	13 (65.0)	3 (15.0)	20 (100.0)
	grade 2	1 (3.0)	6 (17.6)	27 (79.4)	34 (100.0)
	total	10 (16.7)	20 (33.3)	30 (50)	60 (100.0)
time	ART month=18				
ART month=12	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	17 (77.3)	4 (18.1)	1 (4.5)	22 (100.0)
	grade1	5 (9.3)	46 (85.2)	3 (5.5)	54 (100.0)
	grade 2	5 (5.7)	25 (28.4)	58 (65.9)	88 (100.0)
	total	27 (16.5)	75 (45.7)	62 (37.8)	164 (100.0)

Transition period: 12-18 months

time	No ART month=24				
No ART month=18	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	5 (55.6)	3 (33.3)	1 (11.1)	9 (100.0)
	grade1	0 (0.0)	11 (73.3)	4 (26.7)	15 (100.0)
	grade 2	0 (0.0)	3 (15.0)	17 (85.0)	20 (100.0)
	total	5 (11.4)	17 (38.6)	22 (50.0)	44 (100.0)
time	ART month=24				
ART month=18	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	19 (73.1)	7 (26.9)	0 (0.0)	26 (100.0)
	grade1	9 (12.7)	53 (74.6)	9 (12.7)	71 (100.0)
	grade 2	1 (1.7)	9 (15.0)	50 (83.3)	60 (100.0)
	total	29 (18.5)	69 (43.9)	59 (37.6)	157 (100.0)

Transition period: 18-24 months

time	No ART month=30				
No ART month=24	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	1 (100.0)	0 (0.0)	0 (0.0)	1 (100.0)
	grade1	1 (12.5)	5 (62.5)	2 (25.0)	8 (100.0)
	grade 2	0 (0.0)	2 (15.4)	11 (84.6)	13 (100.00)
	total	2 (9.1)	7 (31.8)	13 (59.1)	22 (100.0)
time	ART month=30				
ART month=24	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	Total n (%)
	grade 0	20 (91.0)	1 (4.5)	1 (4.5)	22 (100.0)
	grade1	13 (31.7)	26 (63.4)	2 (4.9)	41 (100.0)
	grade 2	0 (0.0)	11 (26.2)	31 (73.8)	42 (100.0)
	total	33 (31.4)	38 (36.1)	34 (32.4)	105 (100.0)

Transition period: 24-30 months

time	No ART month=36				
No ART month=30	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	1 (100.0)	0 (0.0)	0 (0.0)	1 (100.0)
	grade1	1 (14.3)	5 (71.4)	1 (14.3)	7 (100.0)
	grade 2	0 (0.0)	3 (33.3)	6 (66.7)	9 (100.0)
	total	2 (11.8)	8 (47.1)	7 (41.2)	17 (100.0)
time	ART month=36				
ART month=30	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	20 (80.0)	4 (16.0)	1 (4.0)	25 (100.0)
	grade1	5 (17.2)	22 (75.9)	2 (6.9)	29 (100.0)
	grade 2	1 (3.8)	8 (30.8)	17 (65.4)	26 (100.0)
	total	26 (32.5)	34 (42.5)	20 (25.0)	80 (100.0)

Transition period: 30-36 months

time	No ART month=42				
No ART month=36	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	1 (50.0)	0 (0.0)	1 (50.0)	2 (100.0)
	grade1	1 (14.3)	5 (71.4)	1 (14.3)	7 (100.0)
	grade 2	4 (66.7)	1 (16.7)	1 (16.6)	6 (100.0)
	total	6 (40.0)	6 (40.0)	3 (20.0)	15 (100.00)
time	ART month=42				
ART month=36	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	19 (86.4)	2 (9.1)	1 (4.5)	22 (100.0)
	grade1	7 (21.9)	24 (75.0)	1 (3.1)	32 (100.0)
	grade 2	3 (17.6)	1 (5.9)	13 (76.5)	17 (100.0)
	total	29 (40.9)	27 (38.0)	15 (21.1)	71 (100.0)

Transition period: 36-42 months

time	ART month=48				
No ART month=42	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n(%)	total n (%)
	grade 0	6 (100.0)	0 (0.0)	0 (0.0)	6 (100.0)
	grade1	0 (0.0)	4 (80.0)	1 (20.0)	5 (100.)
	grade 2	1 (100.0)	0 (0.0)	0 (0.0)	1 (100.0)
	Total	7 (58.3)	4 (33.3)	1 (8.3)	12 (100.0)
time	ART month=48				
ART month=42	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	17 (73.9)	4 (17.4)	2 (8.7)	23 (100.0)
	grade1	5 (22.7)	16 (72.7)	1 (4.5)	22 (100.0)
	grade 2	0 (0.0)	4 (30.8)	9 (69.2)	13 (100.0)
	Total	22 (37.9)	24 (41.4)	12 (20.7)	58 (100.00)

Transition period: 42-48 months

time		No ART month=54			
No ART month=48	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	6 (85.7)	1 (14.3)	0 (0.0)	7 (100.0)
	grade1	0 (33.3)	2 (66.7)	0 (0.0)	2 (100.0)
	grade 2	0 (0.0)	0 (0.0)	1 (0.0)	1 (0.0)
	total	6 (70.0)	3 (30.0)	1 (0.0)	10 (100.0)
time	ART month=54				
ART month=48	radiological severity	grade 0 n (%)	grade 1 n (%)	grade 2 n (%)	total n (%)
	grade 0	12 (85.7)	1 (7.1)	1 (7.1)	14 (100.0)
	grade1	2 (14.3)	11 (78.6)	1 (7.1)	14 (100.0)
	grade 2	3 (27.3)	3 (27.3)	5 (45.4)	11 (100.0)
	total	17 (43.6)	15 (38.5)	7 (17.9)	39 (100.0)

Transition period: 48-54 months

Cumulative totals of transitions across all periods by ART status

	No ART Transitions				**ART Transitions**		
	Improve	Deteriorate	percent improve ment		Improve	Deteriorate	percent improve ment
0-6 months	12	32	27%	0-6 months	16	16	50%
6-12 months	14	15	48%	6-12 months	26	8	76%
12-18 months	11	4	73%	12-18 months	35	8	81%
18-24 months	3	8	27%	18-24 months	19	16	54%
24-30 months	3	2	60%	24-30 months	24	4	86%
30-36 months	4	1	80%	30-36 months	14	7	67%
36-42 months	6	2	75%	36-42 months	11	4	73%
42-48 months	1	1	50%	42-48 months	9	7	56%
48-54 months	0	1	0%	48-54 months	8	3	73%
Total transitions	**54**	**66**	**45%**	**Total transitions**	**162**	**73**	**69%**