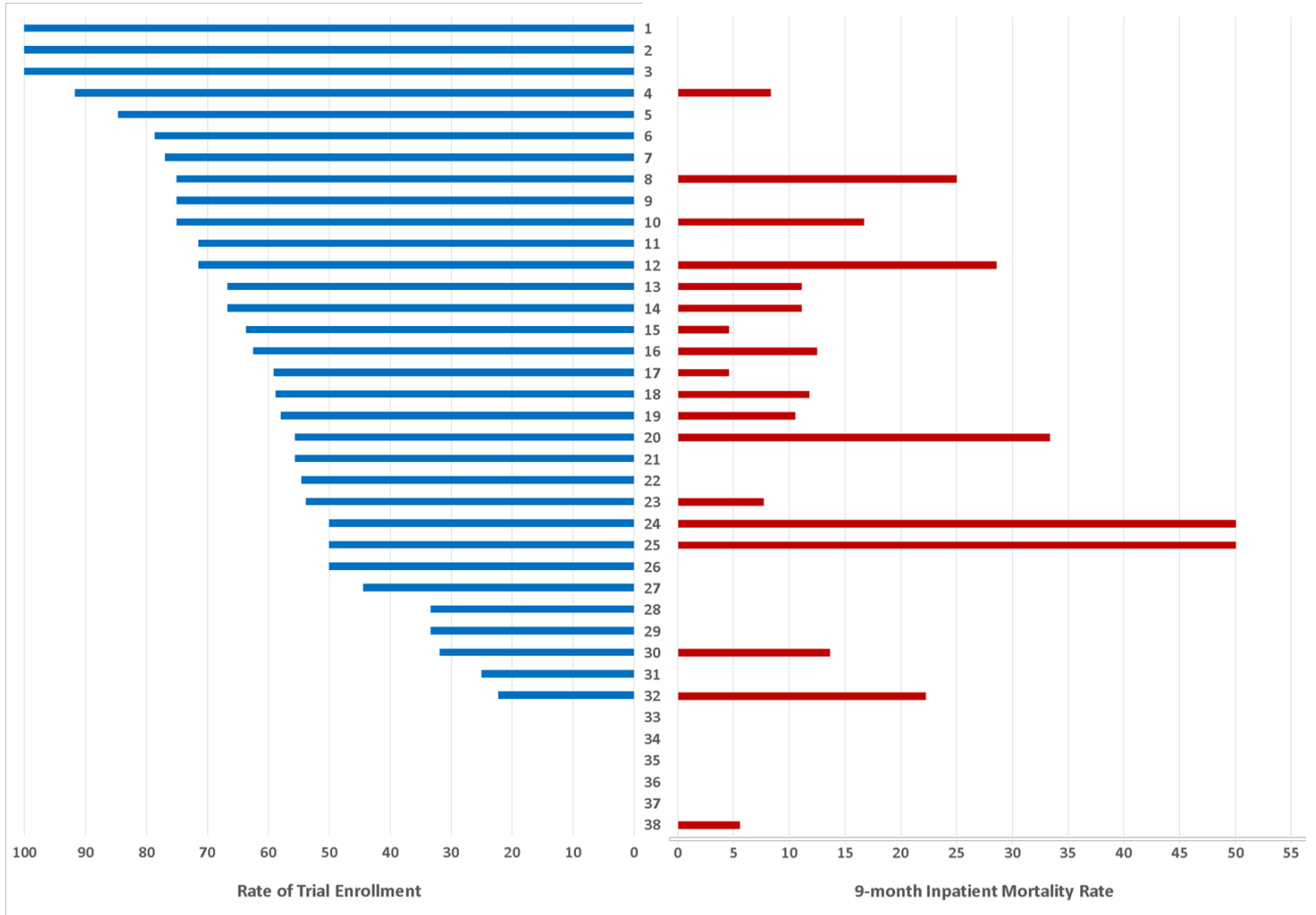**Supplemental Table 1.** Association between race and enrollment by region or poverty Of note, some of the subgroups in these post-hoc analyses contain small numbers of patients and should thus be interpreted with caution.

	N	Rate of Enrollment (%)	Crude Risk Difference (%)	Adjusted* Risk Ratio
Stratified by Region				
Northeast	50			
White, non Hispanic	33	73	ref	ref
Black, non Hispanic	10	40	-33	0.46 (0.36, 0.58)
Hispanic	2	100	27	1.34 (1.06, 1.68)
Other	5	20	-53	0.17 (0.07, 0.43)
Midwest	98			
White, non Hispanic	70	57	ref	ref
Black, non Hispanic	12	17	-40	0.50 (0.29, 0.88)
Hispanic	6	50	-7	0.94 (0.89, 1.53)
Other	10	50	-7	0.97 (0.63, 1.50)
South	124			
White, non Hispanic	54	57	ref	ref
Black, non Hispanic	23	30	-27	0.44 (0.23, 0.84)
Hispanic	27	52	-5	0.94 (0.66, 1.36)
Other	20	50	-7	0.66 (0.36, 1.22)
West	98			
White, non Hispanic	41	63	ref	ref
Black, non Hispanic	3	67	4	1.02 (0.32, 3.28)
Hispanic	37	65	2	1.01 (0.63, 1.60)
Other	17	65	2	1.06 (0.84, 1.33)
Stratified by Zip-based Poverty				
>4% poverty	281			
White, non Hispanic	137	65	ref	ref
Black	43	30	-35	0.49 (0.34, 0.70)
Hispanic	62	65	0	0.94 (0.77, 1.15)
Other	39	59	-6	0.87 (0.66, 1.14)
<4% poverty	81			
White, non Hispanic	58	52	ref	ref
Black	4	50	-2	1.16 (0.81, 1.66)
Hispanic	8	25	-27	0.41 (0.11, 1.51)
Other	11	27	-25	0.42 (0.17, 1.08)

*Adjusted for race, age, year, SES, and acuity

Supplemental Figure 1. Institution-level variation in the rates of trial enrollment on AAML1031 (left) and 9-month inpatient mortality (right)
Institutions are numbered in order of decreasing rates of trial enrollment. Enrollment and mortality do not appear to be correlated on the institution-level.

Rate of Trial Enrollment | 9-month Inpatient Mortality Rate

Supplemental Table 2. Institution-level characteristics as predictors of enrollment
None of the institutional characteristics were associated with trial enrollment.

Characteristics	Unadjusted RR (95% CI)	p
AML patient volume (by 50 patients)	1.17 (0.28, 4.94)	0.83
% Black*	0.94 (0.85, 1.04)	0.23
% public insurance*	1.04 (0.97, 1.10)	0.27
% urban*	1.01 (0.92, 1.10)	0.88
% hospital-wide inpatient mortality (1% increase)	0.76 (0.47, 1.24)	0.27
Median Household income (by 10k)	1.05 (0.91, 1.21)	0.53

* 10% increase

Supplemental Table 3. Characteristics of matched versus unmatched patients
Those who were unable to be matched did not differ significantly from those that were able to matched.

	AAML1031 COG-PHIS merged patients matched to PHIS AML cohort N=206 (%)	AAML1031 COG-PHIS merged patients unmatched to PHIS AML cohort N=39 (%)	p-value
Race/Ethnicity			0.84
White Non-Hispanic	119 (58)	24 (62)	
Black Non-Hispanic	21 (10)	5 (13)	
Hispanic	42 (20)	7 (18)	
Other	24 (12)	3 (8)	
Sex			0.87
Female	98 (48)	18 (46)	
Male	108 (52)	21 (54)	
Age, years			0.11
0-1	15 (7)	1 (3)	
1-5	54 (26)	9 (23)	
5-10	37 (18)	5 (13)	
10-15	52 (25)	7 (18)	
>15	48 (23)	17 (44)	
Insurance type			0.28
Private	100 (49)	24 (62)	
Public	97 (47)	13 (33)	
Other	9 (4)	2 (5)	
Illness severity at Presentation			0.25
No ICU	187 (91)	38 (97)	
1 system	14 (7)	0 (0)	
2 or more systems	5 (2)	1 (3)	
Region			0.26
South	62 (30)	10 (26)	
Midwest	50 (24)	15 (39)	
Northeast	31 (15)	3 (8)	
West	63 (31)	11 (28)	
Year			0.77
2011	21 (10)	2 (5)	
2012	82 (40)	16 (41)	
2013	68 (33)	13 (33)	
2014	35 (17)	8 (21)	