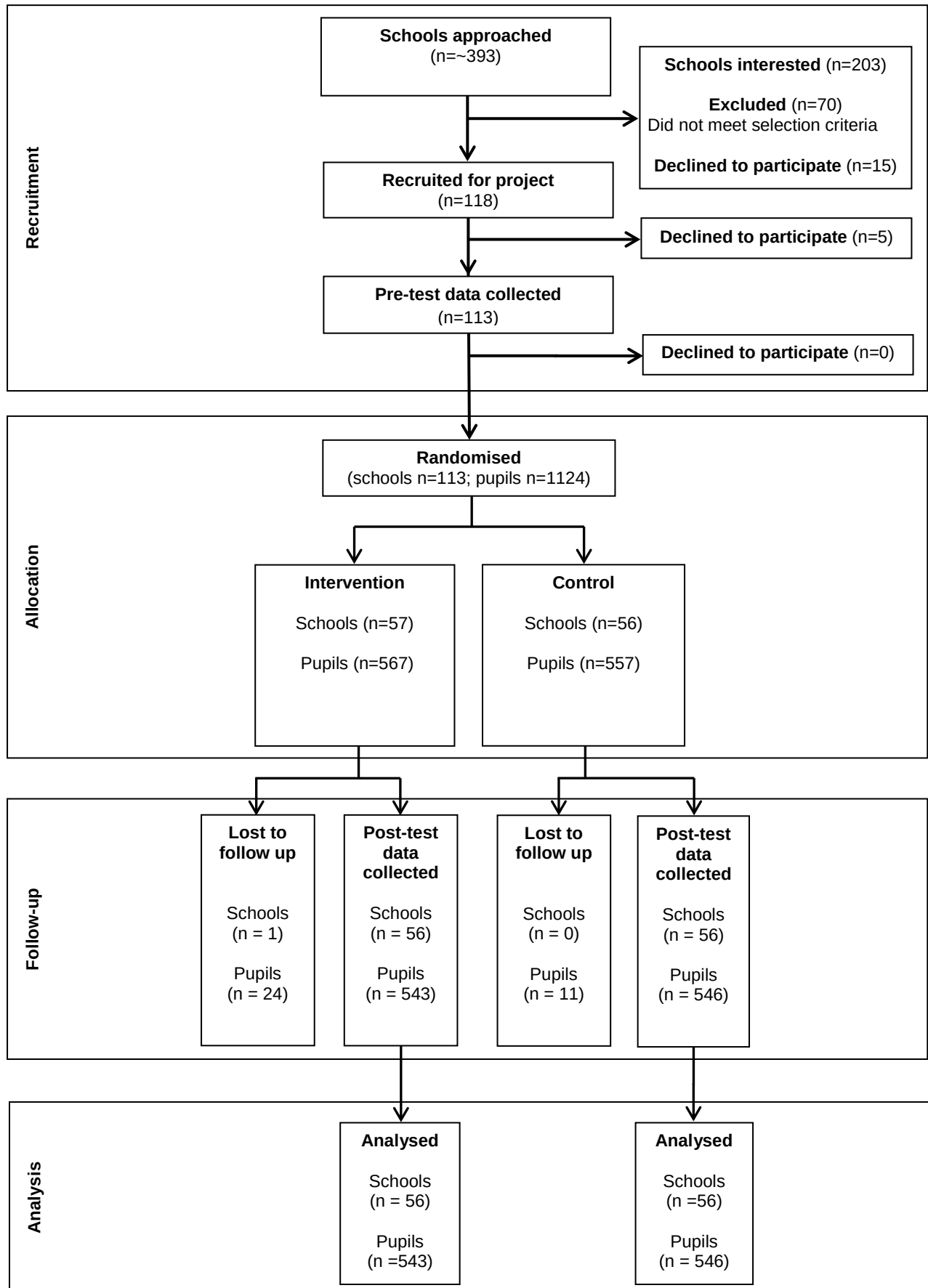


Participant Flow



Baseline Characteristics

Variable	Intervention group (N=56)		Control group (N=56)	
School-level (categorical)	n/N (missing)	Percentage	n/N (missing)	Percentage
School Type¹				
Academy	19/56 (0)	33.9%	23/56 (0)	41.1%
LA school	37/56 (0)	66.1%	33/56 (0)	58.9%
Ofsted rating²				
Outstanding	10/56 (0)	17.8%	14/56 (0)	25%
Good	41/56 (0)	73.2%	33/56 (0)	58.9%
Requires Improvement	3/56 (0)	5.4%	9/56 (0)	16.9%
Inadequate	2/56 (0)	3.6%	0/56 (0)	0%
Location³				
Urban - (city, town and conurbation)	51/56 (0)	91.1%	48/56 (0)	85.7%
Rural - (hamlet, village, town and fringe)	5/56 (0)	8.9%	8/56 (0)	14.3%
School-level (continuous)	n (missing)	Mean	n (missing)	Mean
No pupils per school ¹	56 (0)	296	56 (0)	265
No eligible for pupil premium ¹ N(%)	56 (0)	85 (29%)	56 (0)	73 (27%)
Pupil premium allocation 2018/19 ¹ (£)	56 (0)	112,327	56 (0)	96,501
Pupil-level (categorical)	n/N (missing)	Percentage	n/N (missing)	Percentage
Eligible for FSM	134 / 543 (5)	24.9 ⁴	137 / 546 (2)	25.2 ⁴
Pupil-level (continuous)	n (missing)	Mean 95% CI	n (missing)	Mean (95% CI) [Effect Size]
Pre-test score ⁴	567 (0)	13.32 (12.96 - 13.69)	557 (0)	13.53 (13.23-13.86) -0.05 [-0.29 – 0.69]
Age in months at post-test	543 (24)	74.76 (74.47 – 75.05)	546 (11)	74.63 (74.34 – 74.92) 0.04 [-0.54 – 0.28]
¹ Source: https://www.gov.uk/government/publications/pupil-premium-conditions-of-grant-2018-to-2019 , accessed 08/11/2018				
² Source: https://reports.ofsted.gov.uk/ , accessed 09/2018				
³ Source: https://www.gov.uk/government/statistics/schools-pupils-and-their-characteristics-january-2018 , accessed 08/11/2018				
⁴ Percentage of valid cases; 7 parents did not agree to the release of the this data				

Outcome measures

Table 2: Raw means, confidence intervals and effect size for the outcome measure at post-test

Outcome	Raw means				Effect size		
	Intervention group		Control group				
	N (missing)	Mean (95% CI)	n (missing)	Mean (95% CI)	n in model (Int, Contr)	Hedges g (95% CI)	p-value
Post-test	543 (24)	8.43 (8.06, 8.80)	546 (11)	7.41 (7.06, 7.76)	1089 (543, 546)	0.24 (0.12 - 0.36)	t (1087) = 3.97; p = 0.000078

Table 2a Outcome measures: Effect size estimation

Outcome	Unadjusted differences in means	Adjusted differences in means	Intervention group n (missing)	Intervention group Variance of outcome	Control group n (missing)	Control group Variance of outcome	Pooled variance
Post-test	1.02	1.06	543 (24)	19.05	546 (11)	17.15	18.10

Adverse events

Table 3: Post-test outcome by group and FSM eligibility

Outcome	Raw means				Effect size		
	Intervention group		Control group		n in model (Int, Contr)	Hedges g (95% CI)	p-value
	n (missing)	Mean (95% CI)	n (missing)	Mean (95% CI)			
Post-test among non-FSM pupils only	404 (13)	8.95 (8.52, 9.39)	407 (7)	7.47 (7.08, 7.87)	811 (404, 407)	0.35 (-0.21-0.48,)	t(809) = 4.93; p = < 0.001
Post-test among FSM pupils only	134 (11)	6.87 (6.25, 7.50)	137 (4)	7.26 (6.54, 7.99)	271 (134, 137)	-0.10 ,(-0.33, 0.14)	t(269) = -0.79; p = 0.43

There was a non-significant, negative effect of the intervention on children that were eligible for free school meals, when compared to children eligible for free school meals in the control condition. Free school meal eligibility is commonly used as a measure of deprivation in the UK.