

Table 1. Demographics of women booking for pregnancy care by season

	Spring	Summer	Autumn	Winter
N (% missing)	6811 (4.2)	7078 (5.0)	7242 (3.3)	5659 (8.2)
Age (years)	32.41 (5.28)	32.29 (5.39)	31.91 (5.45)*	32.33 (5.39)
Height (m)	1.64 (0.07)	1.64 (0.07)	1.64 (0.07)	1.64 (0.07)
Weight (kg)	68.5 (14.8)	68.3 (15.0)	68.7 (15.1)	68.9 (14.9)
BMI	25.6 (5.3)	25.6 (5.4)	25.6 (5.5)	25.7 (5.3)
N (no missing cases)	7108	7447	7488	6165
White European (%)	3358 (47.2)	3528 (47.4)	3610 (48.2)	2947 (47.8)
South Asian (%)	1023 (14.4) ^a	1058 (14.2) ^b	1140 (15.2) ^{a,b}	879 (14.3)
Black African/Caribbean (%)	700 (9.8)	793 (10.6)	812 (10.8)	675 (10.9)
Other or not classified (%)	2027 (28.5)	2068 (27.8)	7685 (25.7)	1664 (27.0)

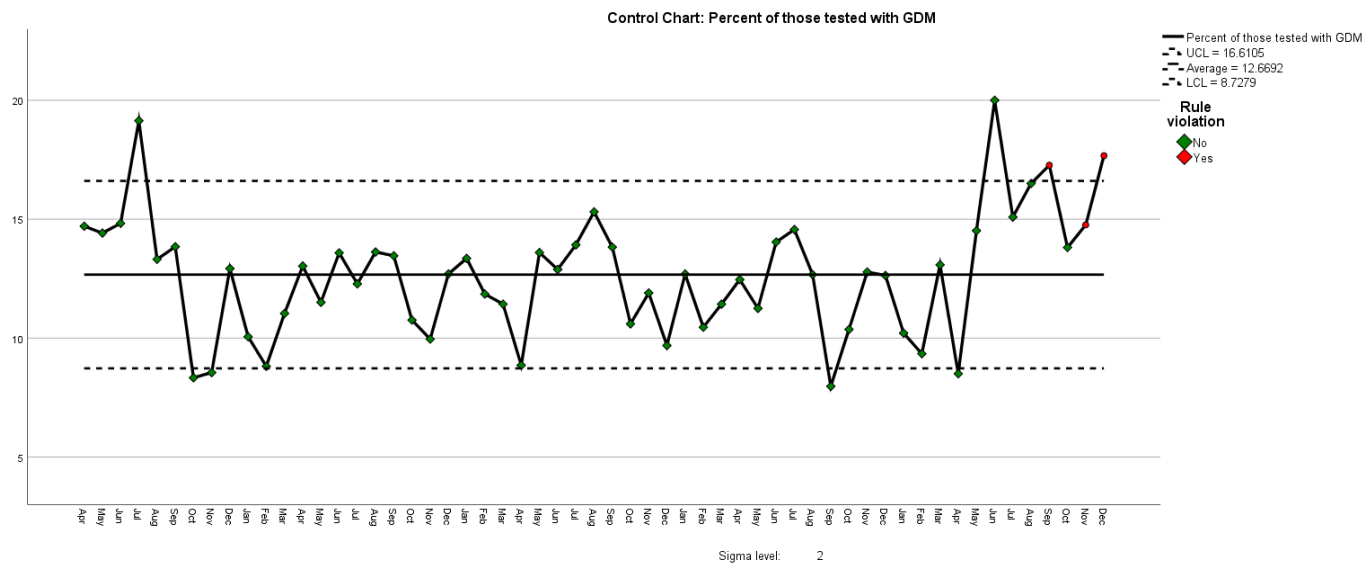
Values are mean (SD) unless otherwise stated

* $p < 0.001$ cf the other three seasons

a $p = 0.018$

b $p = 0.045$

Figure one. Control chart of proportion of women testing positive by month from 1st April 2016



Rule Violations for Run

Month	Violations for Points
Sep 2020	4 points out of the last 5 above +1 sigma
Nov 2020	4 points out of the last 5 above +1 sigma
Dec 2020	4 points out of the last 5 above +1 sigma

3 points violate control rules.

Figure Two. Proportion of women testing positive for GDM by season

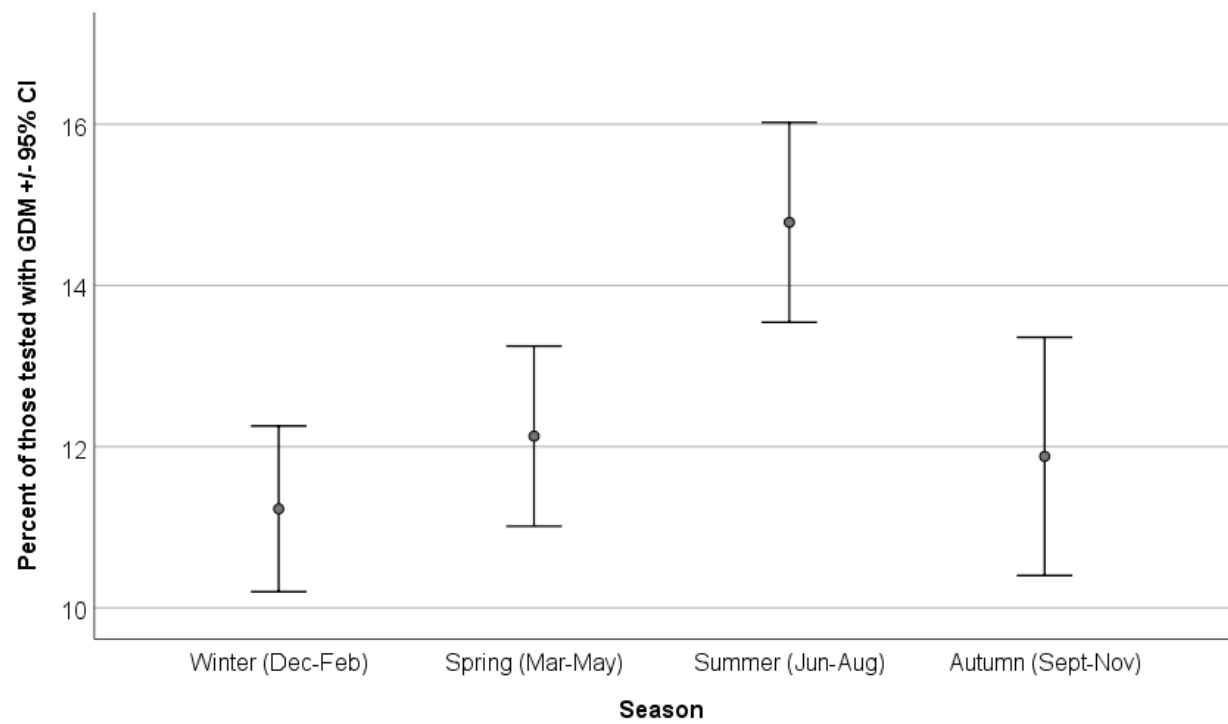
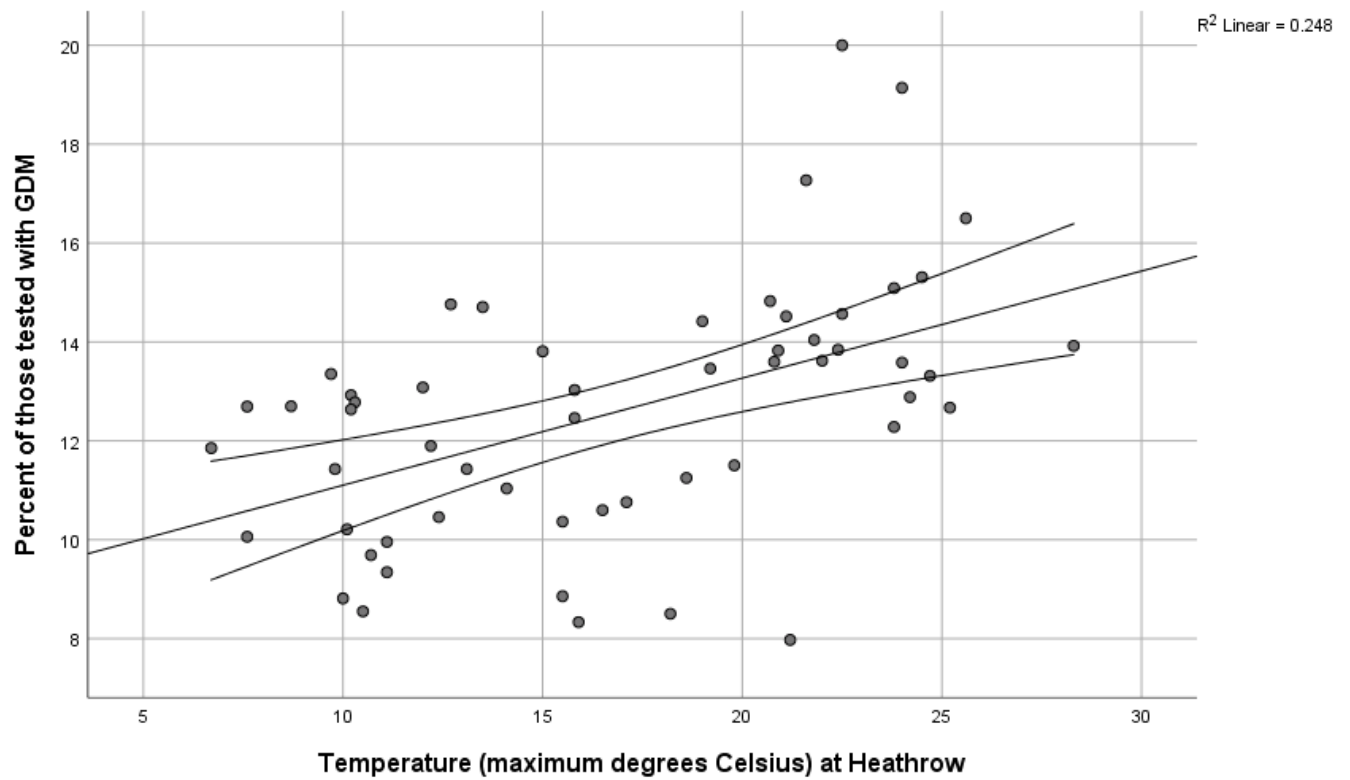
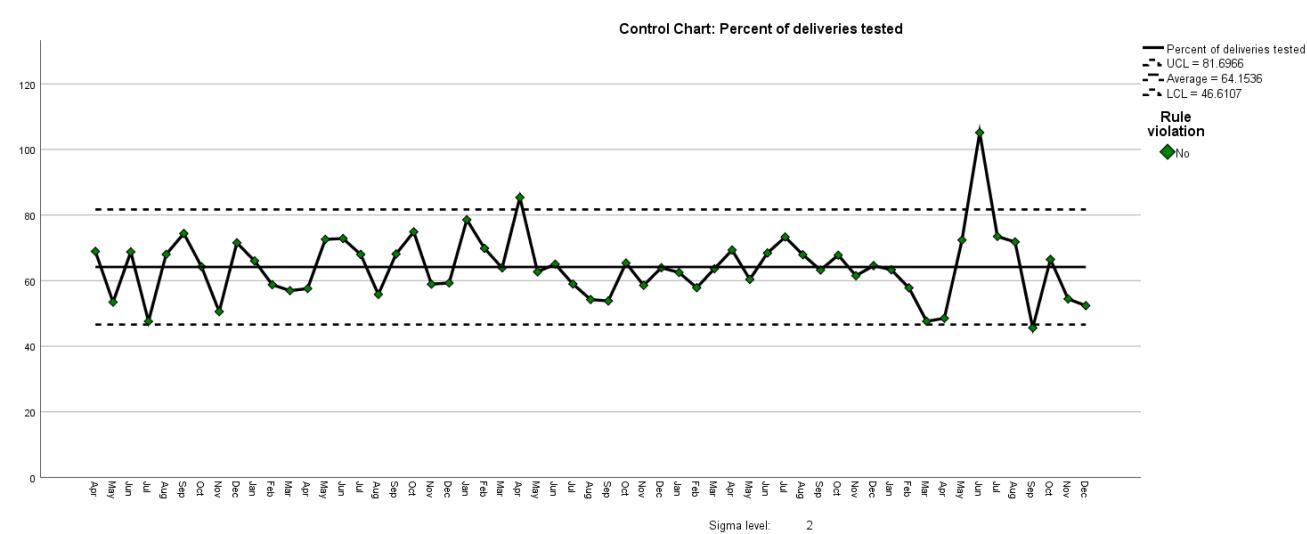


Figure Three. Relationship of percentage of women testing positive for GDM by mean maximum monthly temperature at Heathrow Airport.



Percentage of women testing positive for GDM = (temperature * 0.217) + 8.94

Figure Four. Percent of bookings tested for gestational diabetes



Rule: 4 points out of the last 5 above +1 sigma