

## Supplementary Online Content

Kharbanda EO, Vazquez-Benitez G, DeSilva MB, et al. Association of inadvertent 9-valent human papillomavirus vaccine in pregnancy with spontaneous abortion and adverse birth outcomes. *JAMA Netw Open*. 2021;4(4):e214340.  
doi:10.1001/jamanetworkopen.2021.4340

**eFigure 1.** Histograms of Propensity Scores for Full Cohort

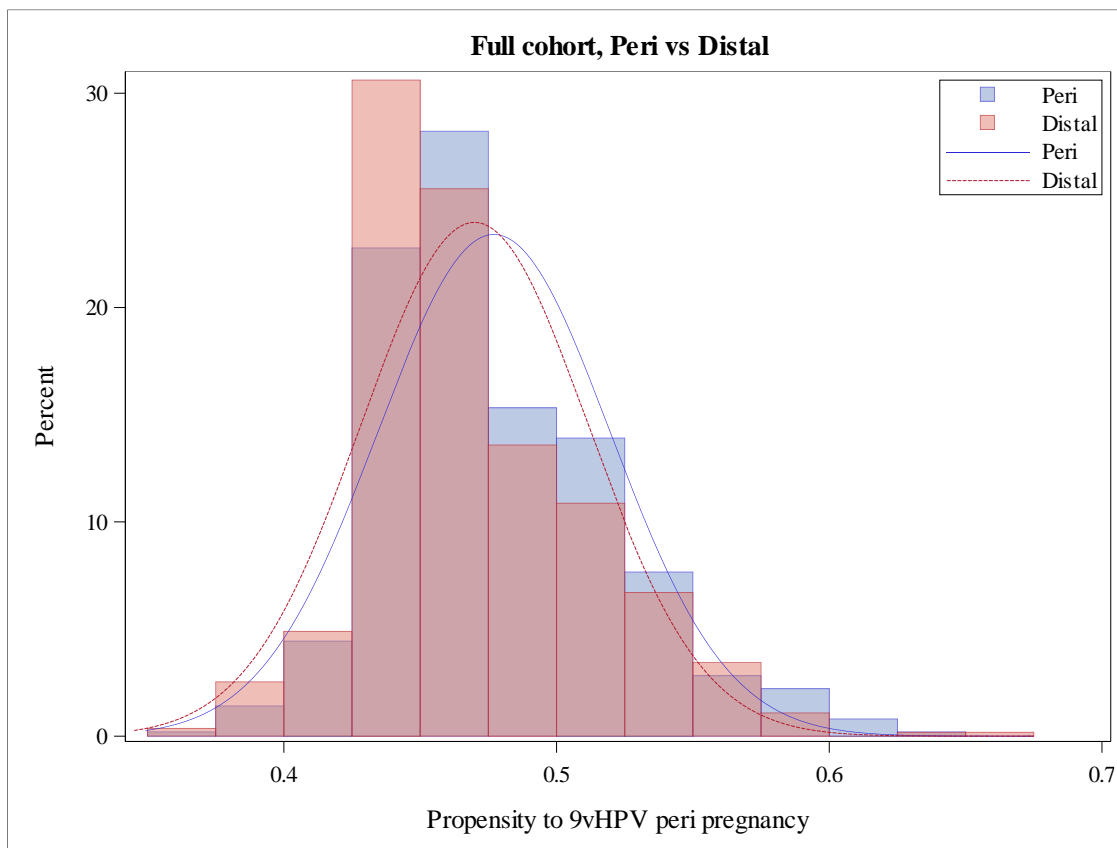
**eFigure 2.** Standardized Differences Before and After IPW for Selected Risk Factors, Full Cohort

**eTable.** List of Teratogenic and Abortifacient Medication Exclusions if Prescription Fill During Pregnancy or Within 8 Months of Last Menstrual Period

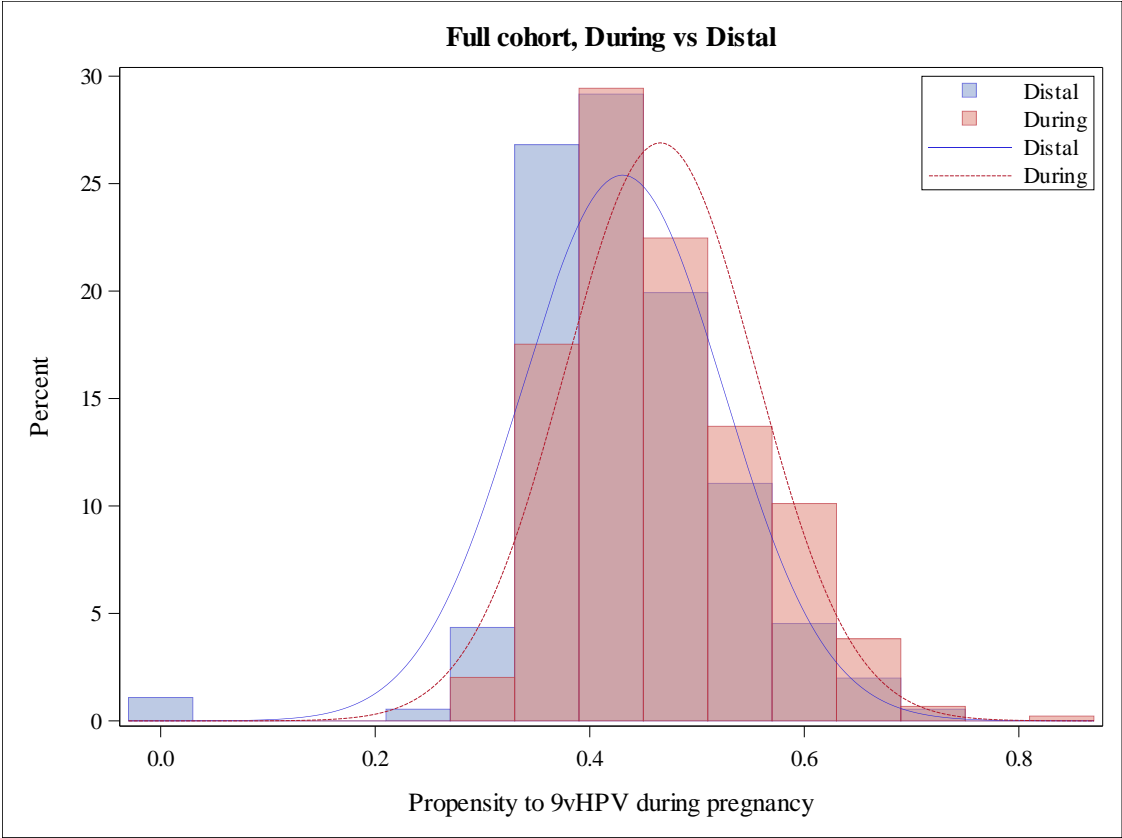
This supplementary material has been provided by the authors to give readers additional information about their work.

**eFigure 1.** Histograms of Propensity Scores for Full Cohort

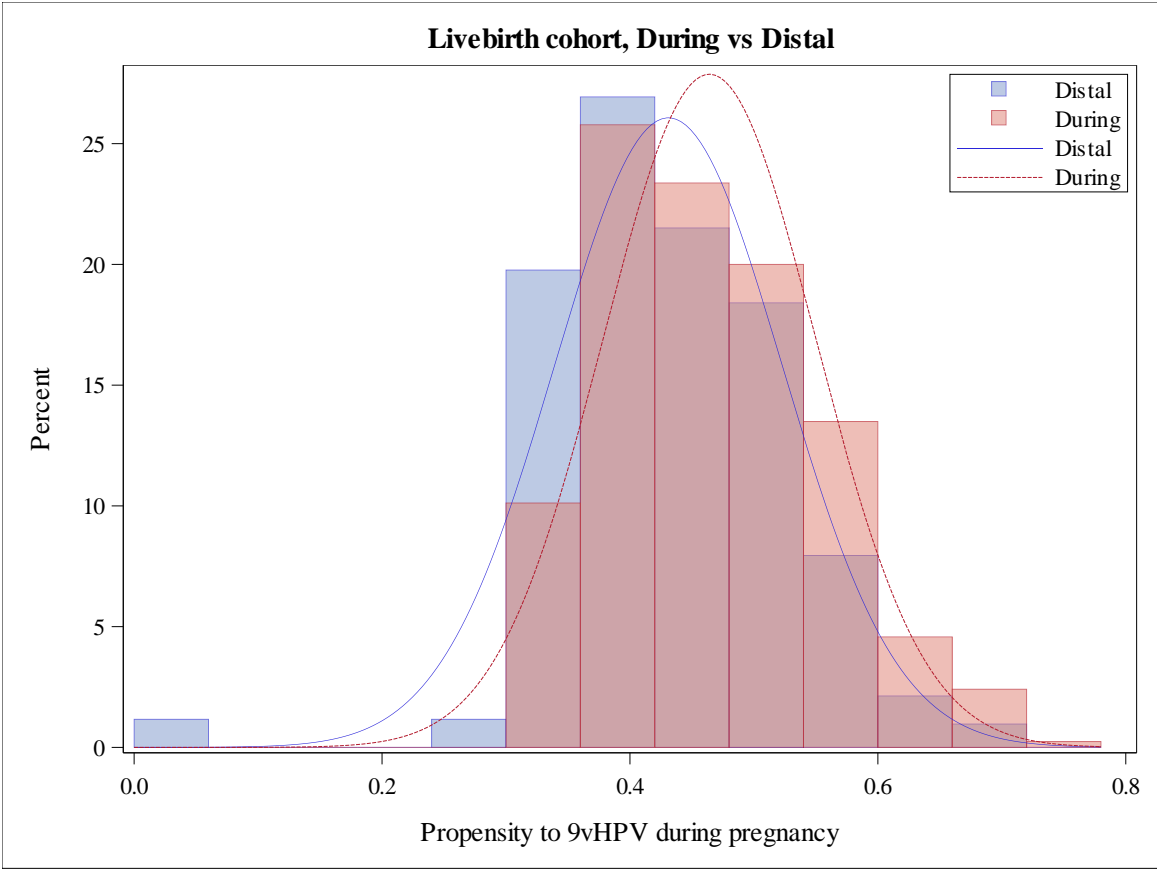
a) During pregnancy vs Distal



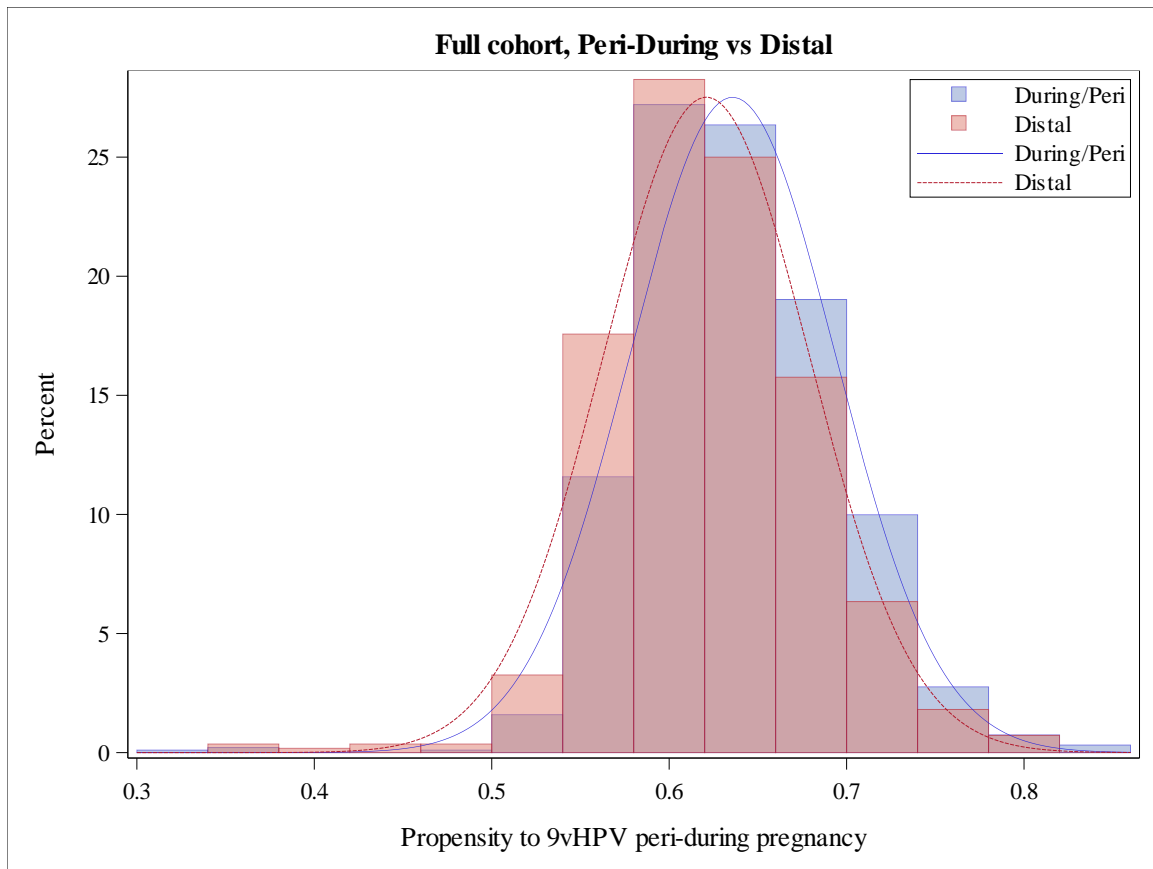
b) Peri-pregnancy vs Distal



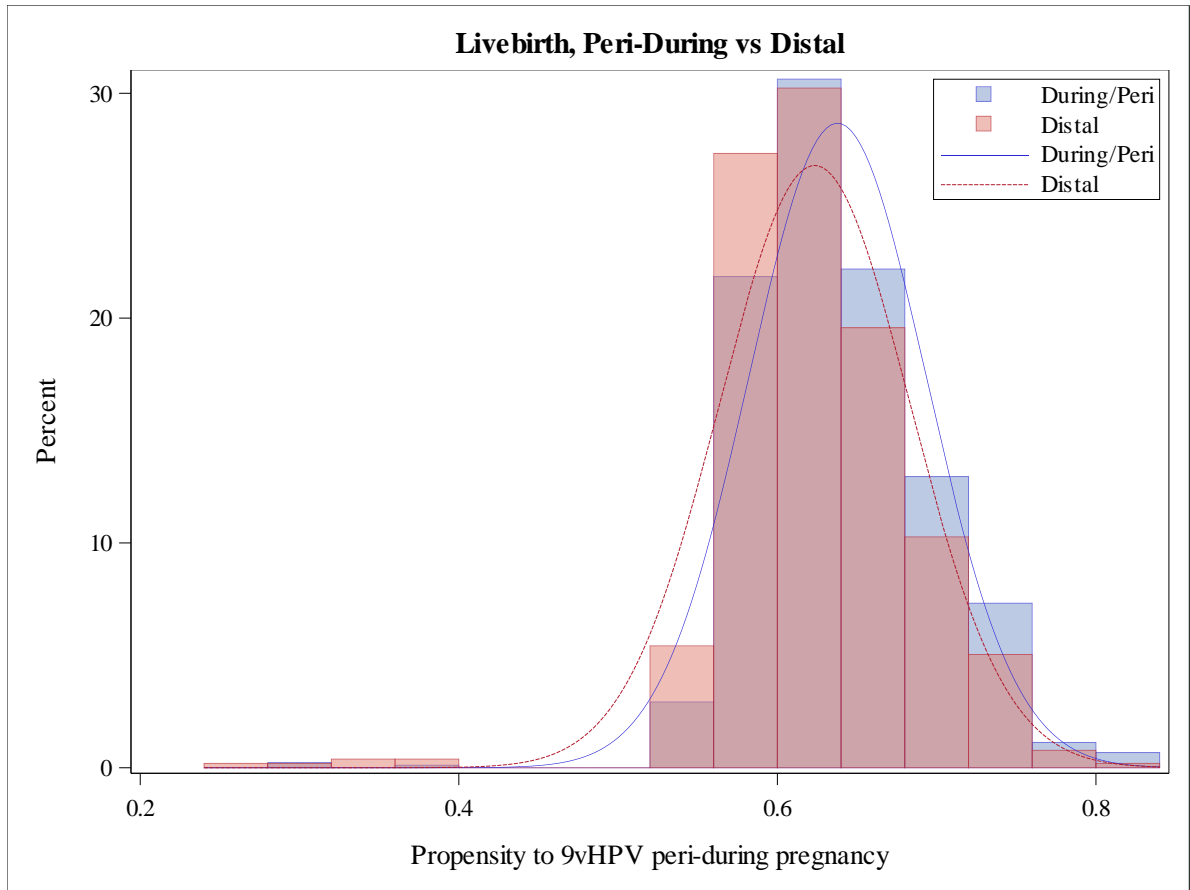
c) Peri-pregnancy or During pregnancy vs Distal, for live birth cohort



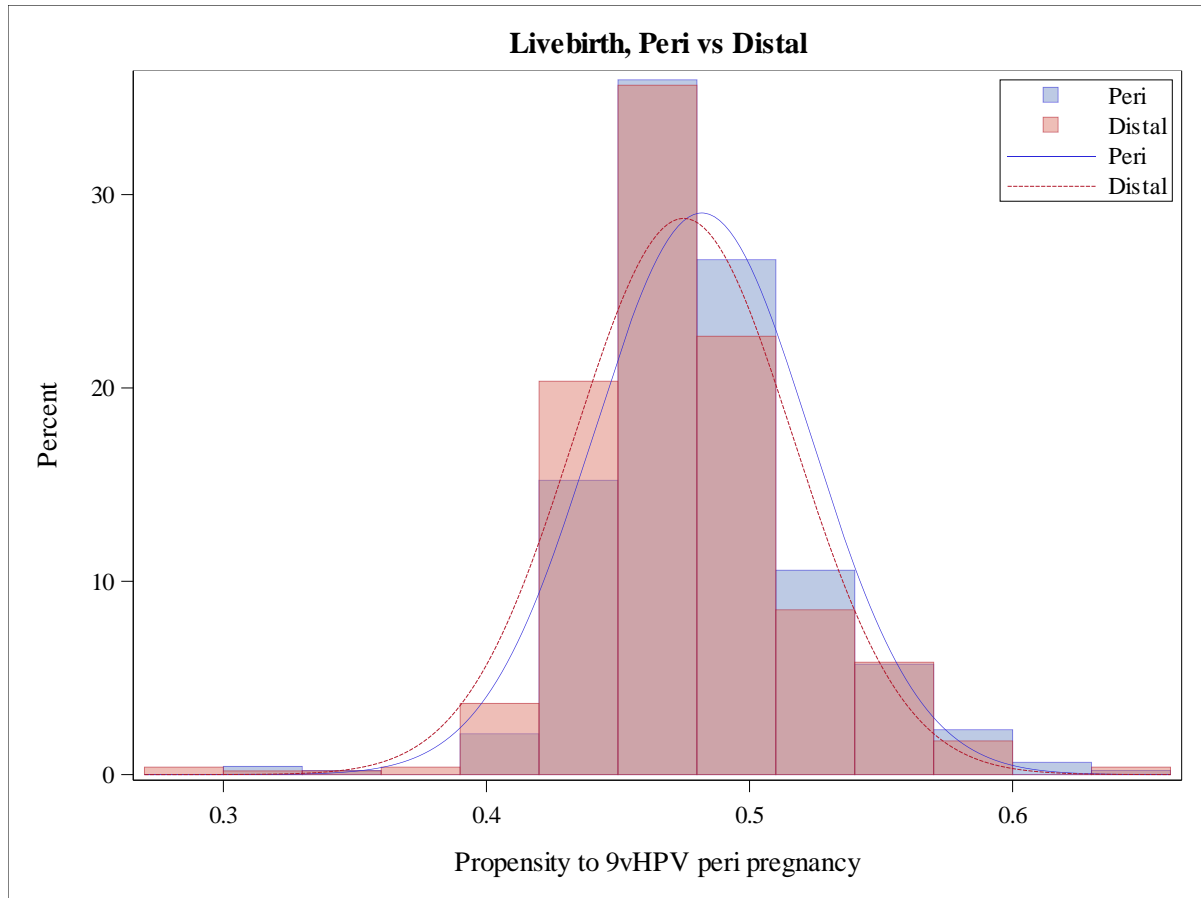
d) During pregnancy vs Distal



e) Peri-pregnancy vs Distal

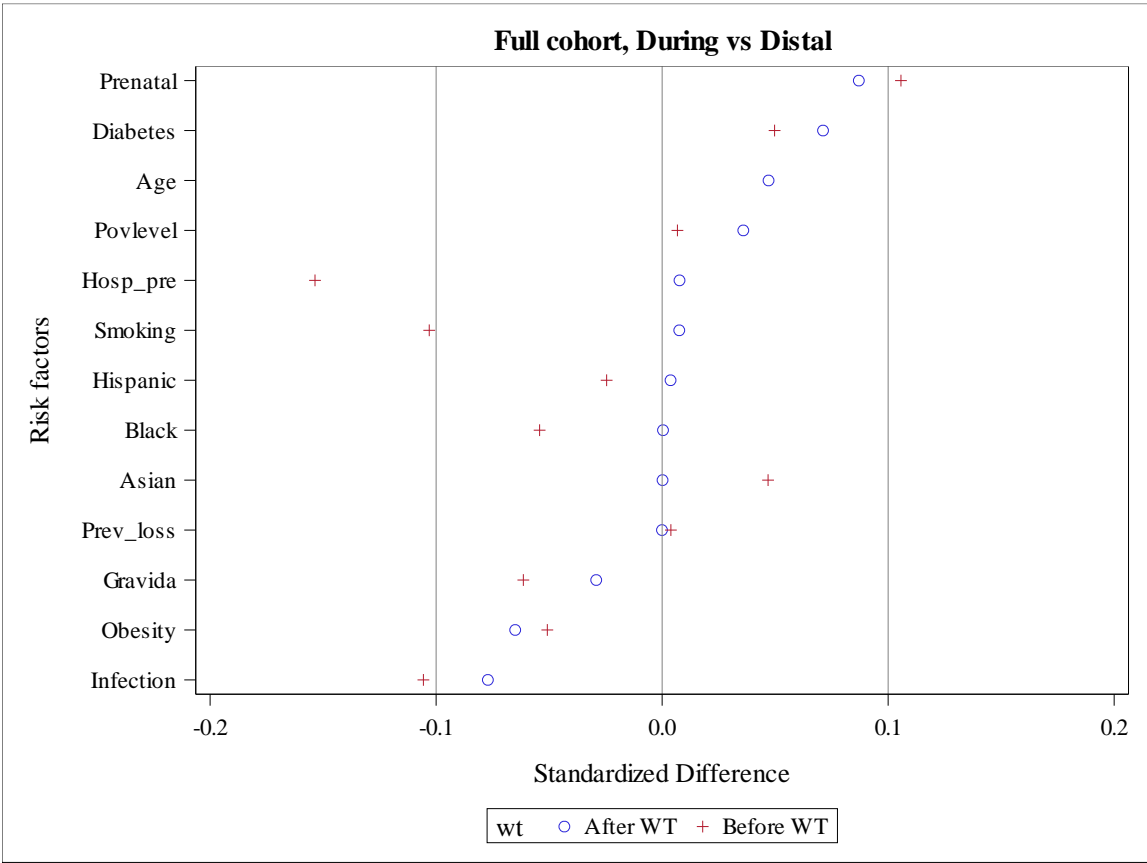


f) Peri-pregnancy or During pregnancy vs Distal



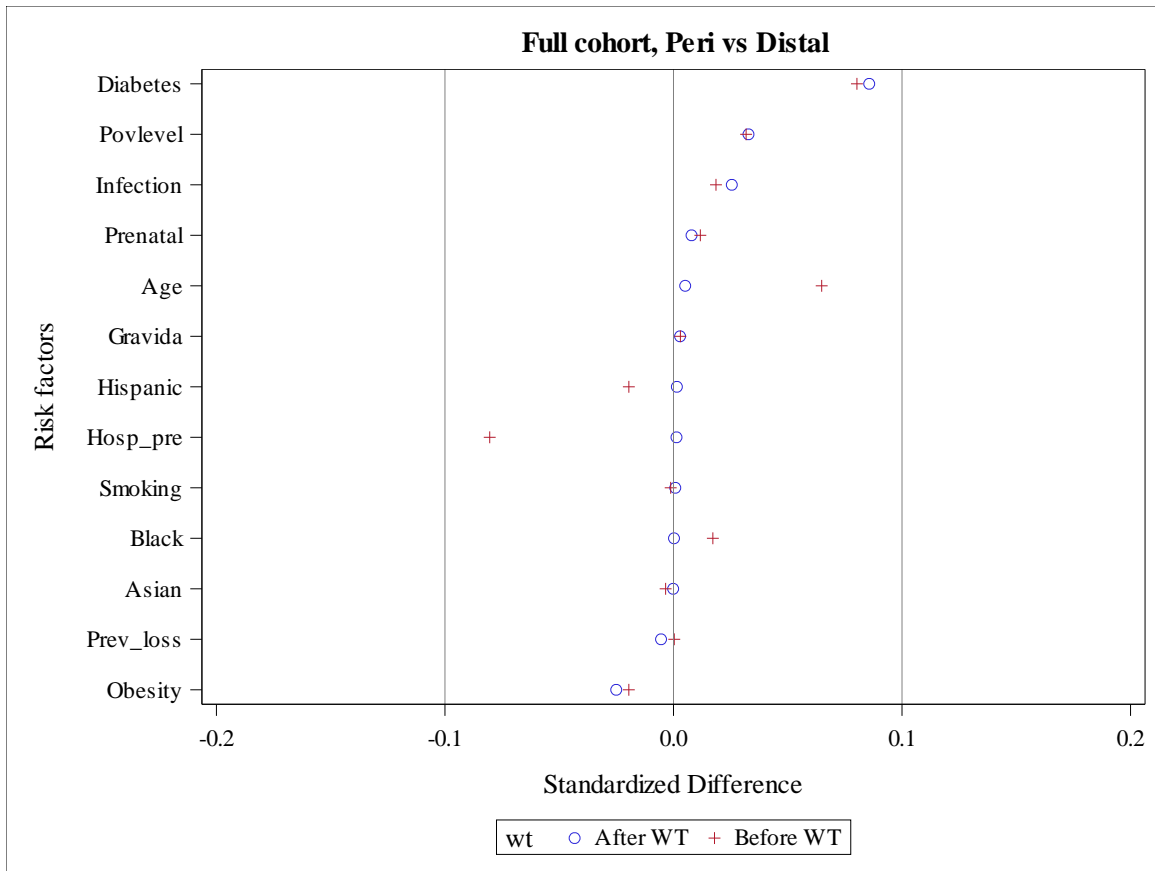
**eFigure 2.** Standardized Differences Before and After IPW for Selected Risk Factors, Full Cohort

(a) During pregnancy vs Distal

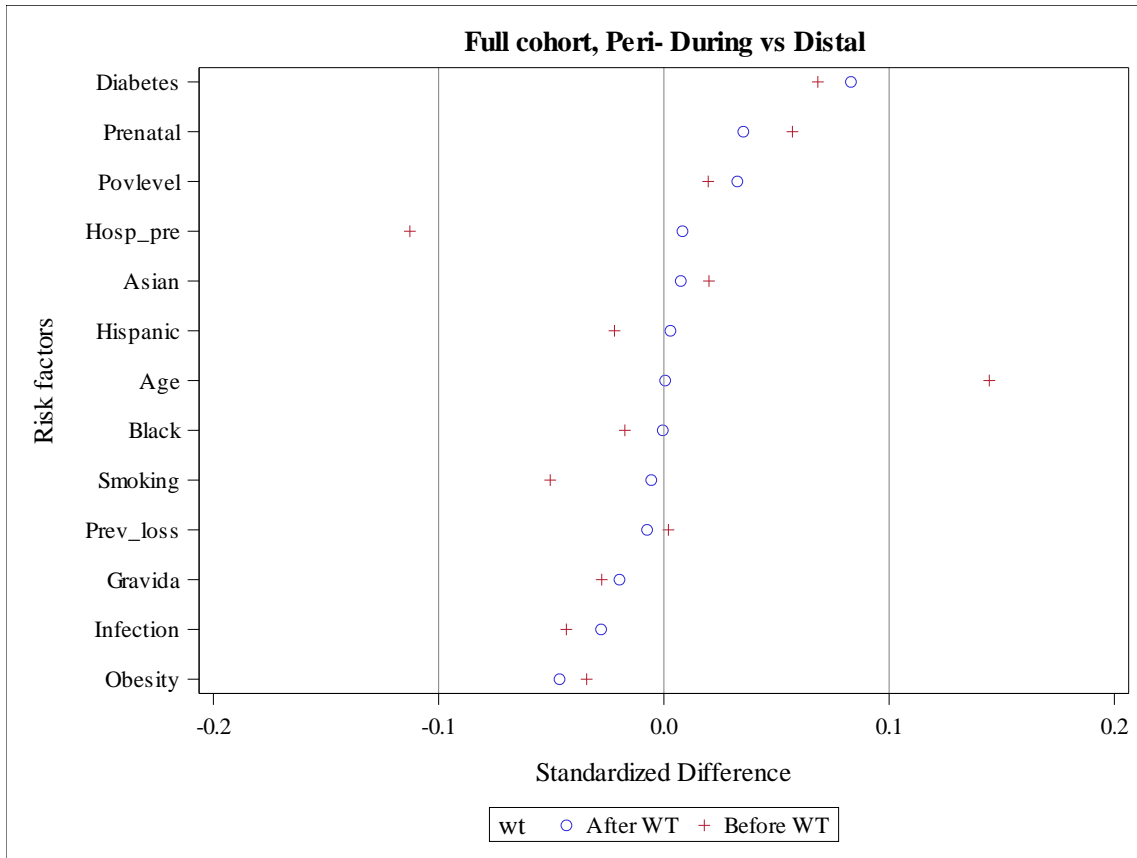




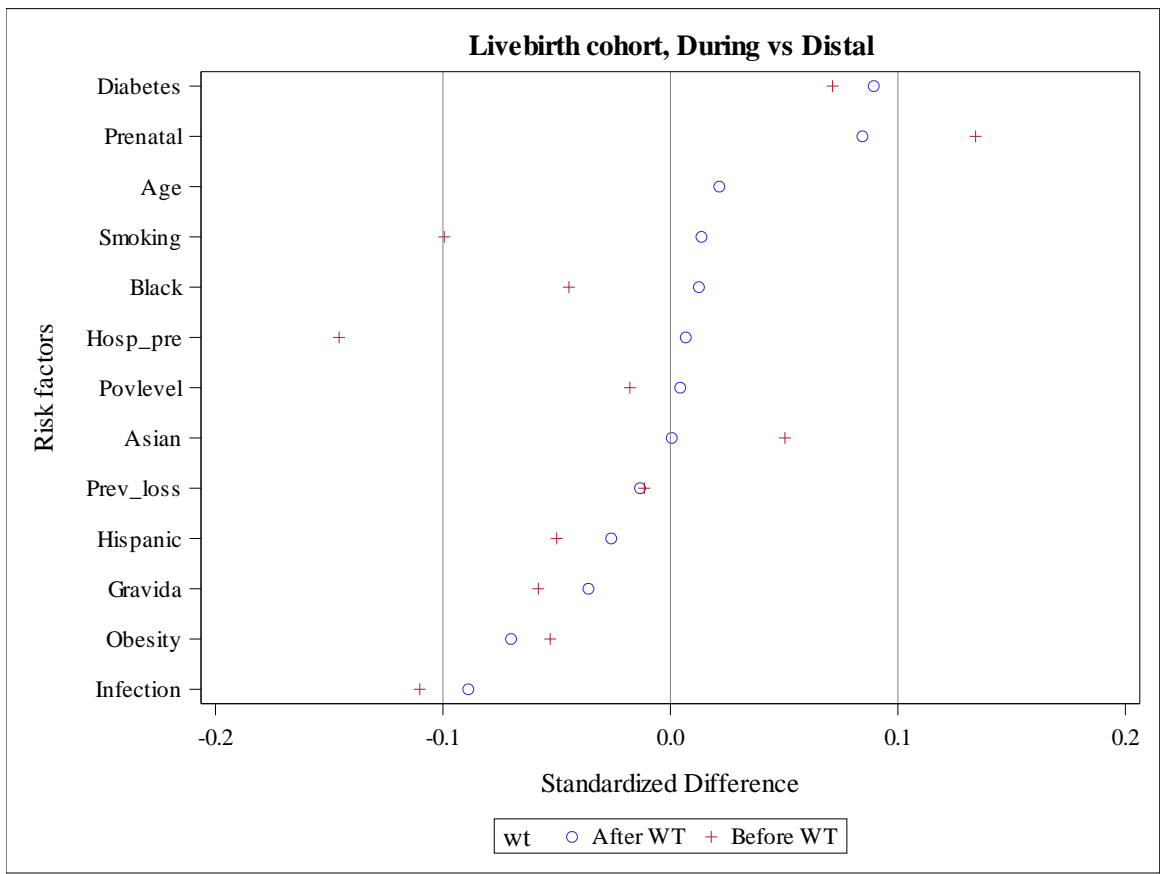
b) Peri-pregnancy vs Distal



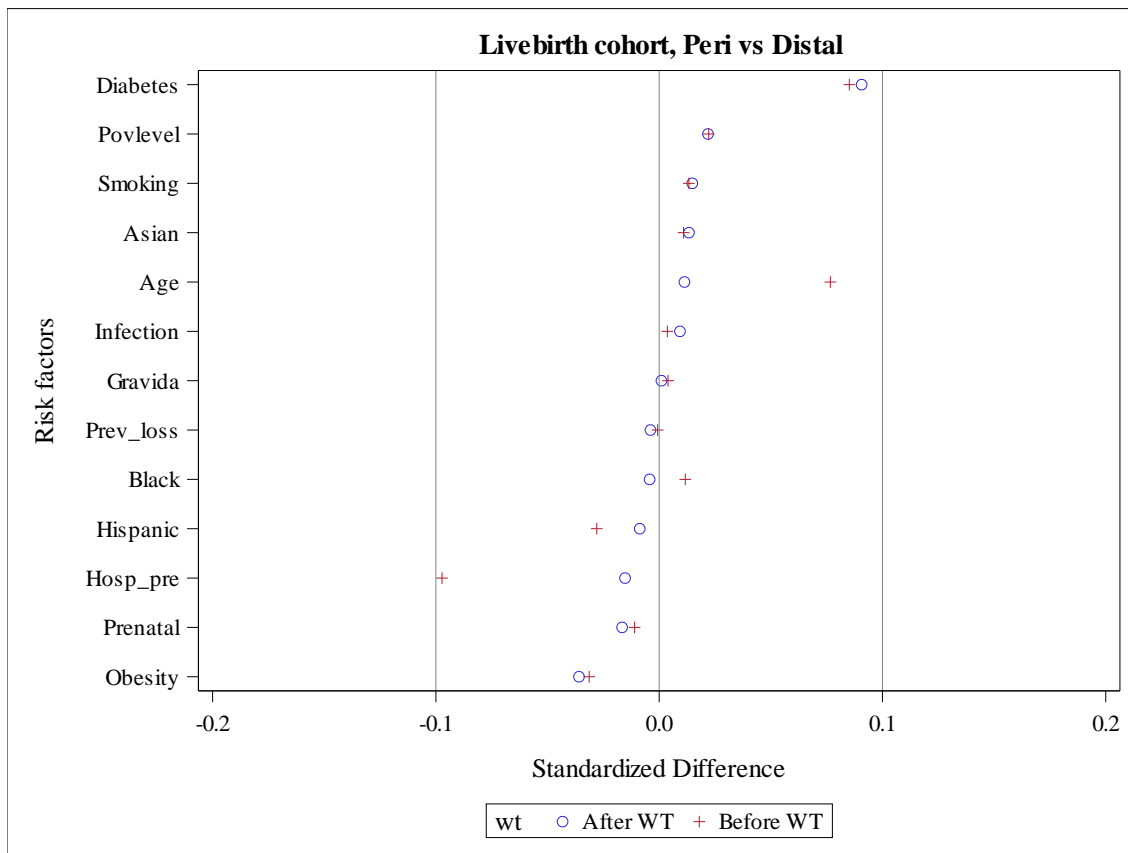
c) Peri-pregnancy or During pregnancy vs Distal, for live birth cohort



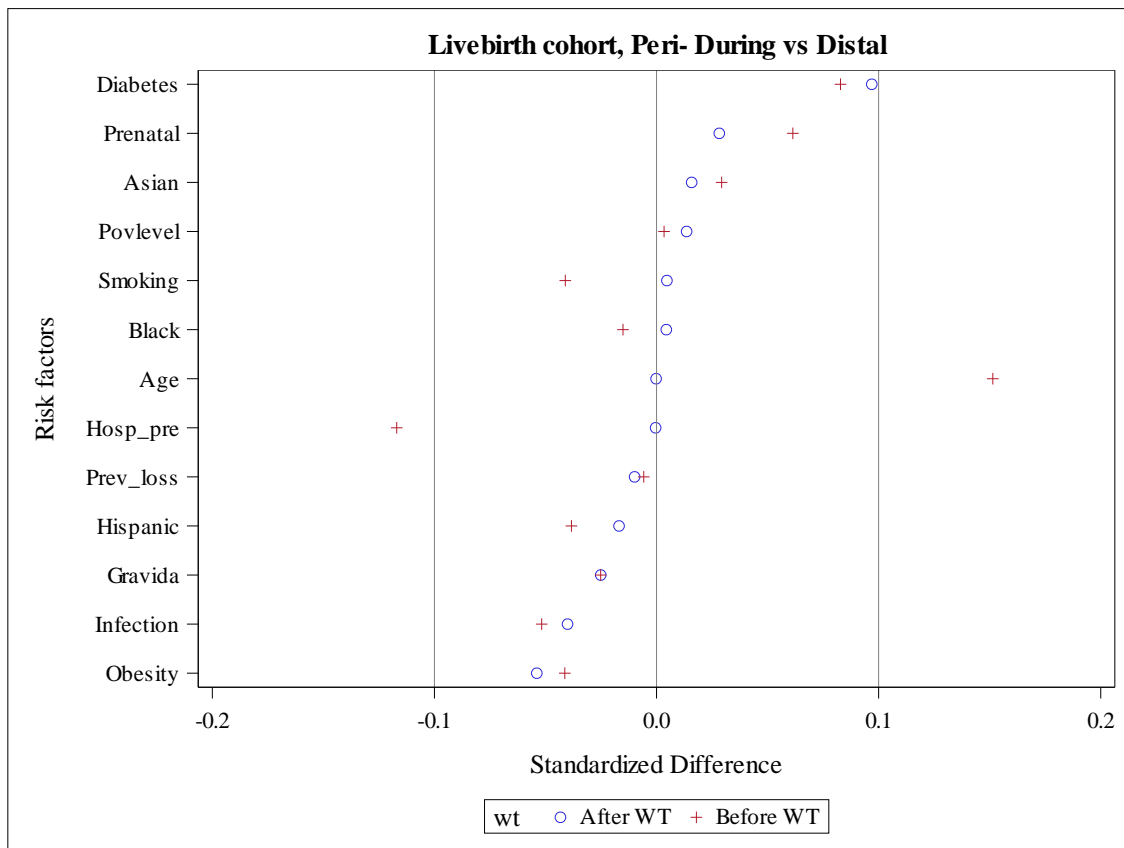
d) During pregnancy vs Distal



e) Peri-pregnancy vs Distal



f) Peri-pregnancy or During pregnancy vs Distal



**eTable.** List of Teratogenic and Abortifacient Medication Exclusions if Prescription Fill During Pregnancy or Within 8 Months of Last Menstrual Period

<b>Drug Class</b>	<b>Drug Name</b>	<b>Drug Classification</b>
Prostaglandin Analog	Mifepristone	Abortifacient
Prostaglandin Analog	Carboprost	Abortifacient
Prostaglandin Analog	Sulprostone	Abortifacient
Prostaglandin Analog	Gemeprost	Abortifacient
Prostaglandin Analog	Misoprostol	Abortifacient
Antineoplastic	Methotrexate	Abortifacient
Vitamin A Analog	Isotretinoin	Teratogenic
Vitamin A Analog	Bexarotene	Teratogenic
Vitamin A analog	Acitretin	Teratogenic
Immuosuppressant	Mycophenolate Mofetil	Teratogenic
Immunologic	Azathioprine	Teratogenic
Immunologic	Thalidomide	Teratogenic
Anticoagulant	Warfarin	Teratogenic
Mood Stabilizer	Lithium	Teratogenic
Antiarrhythmic	Amiodarone	Teratogenic
Antiarrhythmic	Dronedarone	Teratogenic
Anticonvulsant	Carbamazepine	Teratogenic
Anticonvulsant	Fosphenytoin	Teratogenic
Anticonvulsant	Mephobarbital	Teratogenic
Anticonvulsant	Phenobarbital	Teratogenic
Anticonvulsant	Phenytoin	Teratogenic
Anticonvulsant	Primidone	Teratogenic
Anticonvulsant	Topiramate	Teratogenic
Anticonvulsant	Valproic Acid and derivatives	Teratogenic