

Classification		Variable Names		
CLINICAL	Asthma	Asthma (PastWeek) Asthma by Med Use	Dr diagnosis of asthma Asthma Symptom	Current asthma (12 months)
	Clinic	Height Pulse	Mean diastolic Mean systolic	BMI O ₂ Saturation
	Lung Function	Exp Flow Fef25_75 Fev5	Fev1 Fev1/ Fvc Feno	Fev5 Fvc Fvc Pef
	Allergen Screen	Food screen(5 food allergens)		Phadiatop(15aeroallergens)
	Blood Chemistry	Calcium Chloride Potassium Total Protein Phospholipid C Iron Phosphorus Fibrinogen Chloride Alkaline Phosphatase	Creatinine Globulin Total LDH AST(SGOT) GGT A1C % Ketones Ascorbic Acid ALT(SGPT,SGPT) Bilirubin Total	Osmolality C-reactive protein BUN_Creatinine Calcium Chloride A to G Ratio Ketones Ferritin Glucose Albumin
	Inflammatory	Nitrotyrosine ROS	Total antioxidant status IL4_I	Uric Acid UIBC
	Lipids	HDL Triglycerides LDL	Total cholesterol HDL Leptin	T cholesterol_HDL_ratio VLDL
	CBC	Lymphocytes Absolute %Lymphocytes WBC Count	Eosinophils Absolute %Neutrophils	Basophils Absolute Neutrophils Absolute
	Hematology	Hematocrit Hemoglobin MCHC	RDW RBC Count MCH	MCV Platelet Count
	Health	Atopic Asthmatics	Metabolic Syndrome	Obese
	Serum Allergens	Alternaria Alternata Aspergill Fumigatus Cat Dander Epithel Derm Farin Dustmite	Cladospor Herbarum Dog Dander German cockroach Mouse Urine Protein	Penicill Notatum Rat Urine Prot Derm Pter Dustmite
	Immunological Markers	IgECCE IgEMACA IgEMM2 IgEPCE	IgGMACA IgGMM1 Ig GMM2 IgGPCE	IgECCE IgGPCE IgGCCE IgEMACA
GENETIC	Blood Gene Expression	AFFY Human U133 Plus 2.0		
	SNP (11 Genes)	HLADRB1 HLA-DQB1 FCER1B ADAM 33	IL13 CD14 IL4 GSTM1	GSTP1 GSTT1 TNF
BIOMARKER	Blood metals	Blood Cu Blood Pb	Blood Se Blood Zn	Blood Hg
	Tobacco	Urinary Hydroxycotinine	Cotinine	Nicotine
	Nail Metals	Nail As Nail Cd Nail Cr Nail Se	Nail Hg Nail Mn Nail Pb	Nail Se Nail V Nai Zn

	Urinary Metals	Urine Se Urine V Urine Cu Urine Mn	Urine Zn Urine Cd Urine Ni_	Urine Cr Urine As Urine Pb
	Urine PAH	1-OHPHE 2,3-OHPHE 2OH-FLU 2OH-NAP 9OH-PHE 4OH-PHE 1OH-NAP	1OH-PHE 1OH-PYR 2,3-OHPHE 2OH-FLU 2OH-NAP 4OH-PHE 9OH-PHE	Sum NAP Sum Of All OH Sum PHE Creatinine pH Creatinine Mutagenicity (Ames ±S9)
EXPOSURE	Dust Allergen	Dust Rat Dust Mouse Dust Dog_	Dust CockroachI Dust Cat	Dust CockroachII Dust Mite (2)
	Dust Metals	Dust Cr Dust Fe Dust Cu Dust Mn	Dust Se Dust V Dust Zn	Dust Be Dust Hg Dust Pb
	Dust Mold	Aspergillus Ustus Acremonium Strictum AsperFlavus_Oryzae Aspergillus Niger Aspergillus Ochraceus Aspergillus Restrictus Clad Sphaerospermum Paecilomyces Variotii Penicillium Chrysogenum Penicillium Variabile Pen Purpurogenum Wallemia Sebi	Aspergillus Sclerotiorum Aspergillus Sydowii Aspergillus Unquis Aspergillus Versicolor Asper Penicillioides Aureobasidium Pullulans Mold Spore Pen Brevicompectum Penicillium Crustosum Rhizopus Stolonifer ScopBrevicaulis Fusca	Chaetomium Globosum Clad Cladosporioides1 Epicoccum Nigrum ERMI_GroupI_GroupII Eurotium Asp Amstelodami Bac Endotoxin G Mucor Amphibiorum Pen Corylophilum Penicillium Spinulosum ScopChartarum TrichodermaViride
	Dust PAH	Dust PAH Sum Benz(a)anthracene Benzo(a)pyrene	Benzo(ghi)perylene Benzo(k)fluoranthene Chrysene, iso-Chrysene	Indeno(1,2,3-cd)pyrene Benzo(b)fluoranthene Dibenz(a_h)anthracene
	Indoor/ Outdoor Air Pollution Monitoring	1,1,1-trichloroethane 1,3-Butadiene 1,4-dichlorobenzene 2,2,4-Trimethylpentane 2,3-Dimethylpentane 2-Methylhexane 2-Methylpentane	Benzene Carbon tetrachloride Chloroform Ethylbenzene Hexane Methylcyclohexane Methylene_Chloride	MTBE oxylene Styrene Tetrachloroethene Toluene 3-Methylhexane m,p-xylene

Table 1.