

SUPPLEMENTARY DATA

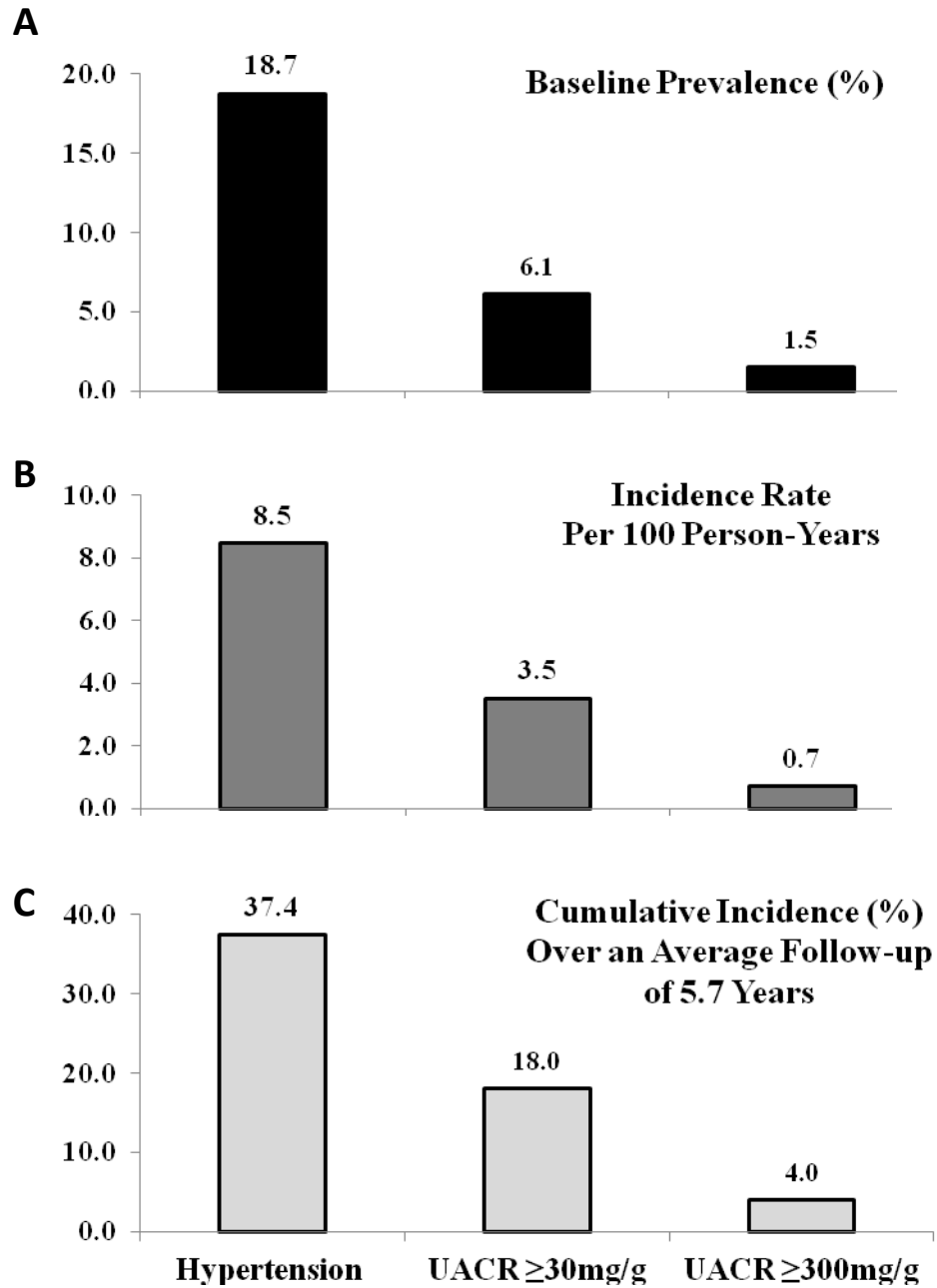
Table S1. Baseline SUA Concentrations and Hyperuricemia Stratified by Sex and Race-ethnicity

	Overall	Female	Male
Black non-Hispanic (n)	181	124	57
Serum uric acid (mg/dL)	5.63 ± 1.21	5.27 ± 1.08	6.43 ± 1.11
Serum uric acid ≥6.8 mg/dL (%)	19.9%	9.7%	42.1%
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Hispanic (n)	232	142	90
Serum uric acid (mg/dL)	5.75 ± 1.42	5.13 ± 1.02	6.72 ± 1.42
Serum uric acid ≥6.8 mg/dL (%)	24.6%	4.9%	55.6%
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White non-Hispanic (n)	108	63	45
Serum uric acid (mg/dL)	6.32 ± 1.60	6.0 ± 1.40	6.78 ± 1.76
Serum uric acid ≥6.8 mg/dL (%)	37.0%	28.6%	48.9%

Data presented as mean ± SD or percent.

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Figure S1. Baseline Prevalence (A), Incidence Rate (B) and Cumulative Incidence (C) of hypertension and elevated UACR



UACR: urine albumin to creatinine ratio

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Table S2. Univariate Cox Proportional Hazard Models Predicting Hypertension and Elevated UAE (defined as UACR \geq 30mg/g)

Characteristics (<i>reference group or unit change</i>) *	Hypertension			UACR \geq 30mg/g		
	Hazard Ratio	(95% CI)	P-value	Hazard Ratio	(95% CI)	P-value
Baseline SUA	1.31	(1.16 – 1.47)	<.0001	1.16	(1.01 – 1.34)	0.041
Baseline hyperuricemia (SUA \geq 6.8mg/dL)	2.22	(1.55 – 3.16)	<.0001	1.07	(0.66 – 1.73)	0.79
Baseline eGFR	1.00	(0.98 – 1.01)	0.46	1.01	(0.99 – 1.02)	0.23
Age at baseline (<i>1 year</i>)	1.16	(1.07 – 1.26)	0.0003	1.04	(0.94 – 1.16)	0.42
Male	1.80	(1.30 - 2.50)	0.0004	1.09	(0.71 – 1.68)	0.68
Race-ethnicity (<i>reference group: Non-Hispanic White</i>)						
Non-Hispanic Black	0.88	(0.57 – 1.35)	0.56	0.98	(0.53 – 1.81)	0.95
Hispanic	0.61	(0.40 – 0.94)	0.023	1.22	(0.69 – 2.16)	0.50
HbA1c (<i>1%</i>)	1.33	(1.06 – 1.66)	0.013	1.35	(1.02 – 1.78)	0.034
BMI (<i>1 kg/m²</i>)	1.07	(1.04 – 1.09)	<.0001	1.02	(1.00 – 1.05)	0.07
Anti-hypertensive medication use at baseline	6.94	(3.11 – 15.5)	<.0001	2.38	(1.12 – 5.07)	0.024
Treatment group (<i>reference group: M</i>)						
M+R	0.97	(0.66 – 1.42)	0.86	1.11	(0.68 – 1.82)	0.68
M+L	0.65	(0.44 – 0.97)	0.04	0.72	(0.42 – 1.22)	0.22

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UAE: urine albumin excretion; UACR: urine albumin to creatinine ratio; SUA: serum uric acid; eGFR: estimated glomerular filtration rate; M: metformin; M+R: metformin+rosiglitazone; M+L: metformin+intensive lifestyle intervention. * Reference groups are specified for categorical covariates and unit changes are given for continuous ones; hazard ratio (along with 95% confidence intervals [CI] and p-values) for specified unit change (for continuous covariates) or respective to reference group (for categorical covariates), where <1 indicates less risk and >1 indicates more risk.

Listing of the TODAY Study Group

The following individuals and institutions constitute the TODAY Study Group (* indicates principal investigator or director):

CLINICAL CENTERS **Baylor College of Medicine:** S. McKay*, M. Haymond*, B. Anderson, C. Bush, S. Gunn, H. Holden, S.M. Jones, G. Jeha, S. McGirk, S. Thamotharan **Case Western Reserve University:** L. Cuttler*, E. Abrams, T. Casey, W. Dahms (deceased), C. Ievers-Landis, B. Kaminski, M. Koontz, S. MacLeish, P. McGuigan, S. Narasimhan **Children's Hospital Los Angeles:** M. Geffner*, V. Barraza, N. Chang, B. Conrad, D. Dreimane, S. Estrada, L. Fisher, E. Fleury-Milfort, S. Hernandez, B. Hollen, F. Kaufman, E. Law, V. Mansilla, D. Miller, C. Muñoz, R. Ortiz, A. Ward, K. Wexler, Y.K. Xu, P. Yasuda **Children's Hospital of Philadelphia:** L. Levitt Katz*, R. Berkowitz, S. Boyd, B. Johnson, J. Kaplan, C. Keating, C. Lassiter, T. Lipman, G. McGinley, H. McKnight, B. Schwartzman, S. Willi **Children's Hospital of Pittsburgh:** S. Arslanian*, F. Bacha, S. Foster, B. Galvin, T. Hannon, A. Kriska, I. Libman, M. Marcus, K. Porter, T. Songer, E. Venditti **Columbia University Medical Center:** R. Goland*, D. Gallagher, P. Kringas, N. Leibel, D. Ng, M. Ovalles, D. Seidman **Joslin Diabetes Center:** L. Laffel*, A. Goebel-Fabbri, M. Hall, L. Higgins, J. Keady, M. Malloy, K. Milaszewski, L. Rasbach **Massachusetts General Hospital:** D.M. Nathan*, A. Angelescu, L. Bissett, C. Ciccarelli, L. Delahanty, V. Goldman, O. Hardy, M. Larkin, L. Levitsky, R. McEachern, D. Norman, D. Nwosu, S. Park-Bennett, D. Richards, N. Sherry, B. Steiner **Saint Louis University:** S. Tollefsen*, S. Carnes, D. Dempsher, D. Flomo, T. Whelan, B. Wolff **State University of New York Upstate Medical University:** R. Weinstock*, D. Bowerman, S. Bristol, J. Bulger, J. Hartsig, R. Izquierdo, J. Kearns, R. Saletsky, P. Trief **University of Colorado Denver:** P. Zeitler* (Steering Committee Chair), N. Abramson, A. Bradhurst, N. Celona-Jacobs, J. Higgins, M. Kelsey, G. Klingensmith, K. Nadeau, T. Witten **University of Oklahoma Health Sciences Center:** K. Copeland* (Steering Committee Vice-Chair), E. Boss, R. Brown, J. Chadwick, L. Chalmers, S. Chernausek, A. Hebensperger, C. Macha, R. Newgent, A. Nordyke, D. Olson, T. Poulsen, L. Pratt, J. Preske, J. Schanuel, S. Sternlof **University of Texas Health Science Center at San Antonio:** J. Lynch*, N. Amodei, R. Barajas, C. Cody, D. Hale, J. Hernandez, C. Ibarra, E. Morales, S. Rivera, G. Rupert, A. Wauters **Washington University in St Louis:** N. White*, A. Arbeláez, D. Flomo, J. Jones, T. Jones, M. Sadler, M. Tanner, A. Timpson, R. Welch **Yale University:** S. Caprio*, M. Grey, C. Guandalini, S. Laviertes, P. Rose, A. Syme, W. Tamborlane

COORDINATING CENTER **George Washington University Biostatistics Center:** K. Hirst*, S. Edelstein, P. Feit, N. Grover, C. Long, L. Pyle

PROJECT OFFICE **National Institute of Diabetes and Digestive and Kidney Diseases:** B. Linder*

CENTRAL UNITS **Central Blood Laboratory (Northwest Lipid Research Laboratories, University of Washington):** S.M. Marcovina*, J. Harting **DEXA Reading Center (University of California at San Francisco):** J. Shepherd*, B. Fan, L. Marquez, M. Sherman, J. Wang **Diet Assessment Center (University of South Carolina):** M. Nichols*, E. Mayer-Davis, Y. Liu **Echocardiogram Reading Center (Johns Hopkins University):** J. Lima*, S. Gidding, J. Puccella, E. Ricketts **Fundus Photography Reading Center (University of Wisconsin):** R.

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Danis*, A. Domalpally, A. Goulding, S. Neill, P. Vargo **Lifestyle Program Core (Washington University):** D. Wilfley*, D. Aldrich-Rasche, K. Franklin, C. Massmann, D. O'Brien, J. Patterson, T. Tibbs, D. Van Buren

OTHER Hospital for Sick Children, Toronto: M. Palmert **Medstar Research Institute, Washington DC:** R. Ratner **Texas Tech University Health Sciences Center:** D. Dremaine **University of Florida:** J. Silverstein