

SUPPLEMENTARY DATA

Supplementary Table 1. Descriptive Statistics* (mean \pm SD) by Subgroup and by Treatment Group within Subgroup at Months 0, 6, and 24
 (A) Overall and by Sex; (B) by Race-Ethnicity

(A)	Overall			Female			Male		
Visit month \Rightarrow	Mo 0	Mo 6	Mo 24	Mo 0	Mo 6	Mo 24	Mo 0	Mo 6	Mo 24
BMI (kg/m²)									
Total	34.9 \pm 7.6	35.0 \pm 8.0	36.8 \pm 8.6	34.5 \pm 7.3	34.8 \pm 7.8	36.9 \pm 8.6	35.7 \pm 8.2	35.4 \pm 8.3	36.5 \pm 8.5
M	35.8 \pm 8.1	35.6 \pm 8.0	36.7 \pm 9.1	35.2 \pm 7.4	35.3 \pm 7.7	37.0 \pm 9.2	36.7 \pm 9.1	36.2 \pm 8.4	36.2 \pm 9.0
M+R	35.0 \pm 7.7	36.0 \pm 8.1	38.2 \pm 8.1	34.4 \pm 7.7	35.4 \pm 8.0	37.9 \pm 8.1	36.2 \pm 7.5	36.9 \pm 8.1	39.1 \pm 8.0
M+L	34.1 \pm 7.1	33.6 \pm 7.7	35.3 \pm 8.4	34.1 \pm 6.8	33.8 \pm 7.5	35.7 \pm 8.6	34.0 \pm 7.6	33.1 \pm 8.0	34.6 \pm 8.0
Fat Mass (%)									
Total	37.6 \pm 6.2	37.3 \pm 6.8	38.3 \pm 7.4	39.5 \pm 4.9	39.7 \pm 5.4	41.4 \pm 5.7	33.7 \pm 6.7	32.4 \pm 6.6	32.7 \pm 6.8
M	37.5 \pm 6.5	37.4 \pm 6.7	38.4 \pm 7.8	40.0 \pm 5.2	40.1 \pm 5.4	41.7 \pm 5.8	32.7 \pm 6.1	32.4 \pm 6.0	32.7 \pm 7.4
M+R	37.6 \pm 5.9	37.8 \pm 6.5	40.1 \pm 6.7	39.0 \pm 4.5	39.9 \pm 5.0	42.5 \pm 5.4	34.3 \pm 7.3	33.0 \pm 7.0	35.1 \pm 6.3
M+L	37.8 \pm 6.2	36.8 \pm 7.1	36.3 \pm 7.3	39.6 \pm 5.1	39.3 \pm 5.8	39.7 \pm 5.7	34.1 \pm 6.8	31.9 \pm 6.8	30.3 \pm 5.9
Waist Circ. (cm)									
Total	108.6 \pm 16.7	108.5 \pm 17.3	111.2 \pm 16.9	106.6 \pm 15.3	107.0 \pm 16.3	110.2 \pm 16.8	112.4 \pm 18.4	111.4 \pm 18.7	112.9 \pm 17.1
M	110.4 \pm 16.6	110.1 \pm 16.9	110.8 \pm 17.5	108.6 \pm 14.8	108.5 \pm 15.9	110.5 \pm 18.1	113.6 \pm 19.0	112.7 \pm 18.4	111.4 \pm 16.5
M+R	109.0 \pm 17.0	109.9 \pm 17.9	114.0 \pm 16.3	106.0 \pm 15.4	107.5 \pm 16.6	112.1 \pm 15.8	114.6 \pm 18.7	114.6 \pm 19.3	118.5 \pm 16.6
M+L	106.6 \pm 16.2	105.9 \pm 16.9	108.6 \pm 16.7	105.4 \pm 15.6	105.1 \pm 16.2	107.8 \pm 16.4	108.8 \pm 17.1	107.3 \pm 18.1	109.9 \pm 17.4

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Abd. Height (cm)									
Total	24.3±3.7	24.3±3.8	24.8±3.8	24.1±3.6	24.2±3.7	24.9±3.8	24.5±3.8	24.5±3.9	24.6±3.8
M	24.6±3.8	24.6±3.9	24.6±3.8	24.5±3.7	24.4±3.7	24.8±3.9	24.8±4.0	25.0±4.3	24.3±3.6
M+R	24.2±3.6	24.6±3.7	25.5±3.5	23.9±3.6	24.4±3.7	25.3±3.4	24.7±3.5	24.9±3.6	25.8±3.8
M+L	24.0±3.7	23.7±3.7	24.4±4.0	24.0±3.6	23.7±3.6	24.7±4.1	24.1±3.9	23.6±3.8	24.1±3.7
Fat Mass (kg)									
Total	33.3±10.0	33.2±10.4	36.0±11.1	34.2±9.8	34.6±10.2	37.5±10.5	31.2±10.1	30.3±10.1	33.4±11.6
M	33.7±9.9	33.7±10.4	36.1±12.0	35.1±9.6	34.9±10.3	37.5±11.6	31.2±10.1	31.3±10.2	33.8±12.4
M+R	33.5±10.2	34.3±9.9	39.7±10.5	33.8±9.9	35.4±9.7	40.7±9.9	32.8±10.9	31.7±9.8	37.8±11.5
M+L	32.6±9.8	31.7±10.7	32.2±9.4	33.8±9.8	33.4±10.7	34.0±9.0	29.9±9.2	28.0±10.1	28.8±9.3
Bone Content (g)									
Total	2275±496	2327±498	2492±482	2220±451	2258±441	2374±405	2390±563	2469±573	2708±536
M	2283±465	2305±451	2488±442	2237±448	2249±419	2390±407	2367±489	2414±493	2651±457
M+R	2311±532	2385±528	2523±498	2242±464	2305±462	2400±392	2471±641	2561±622	2770±596
M+L	2234±488	2294±508	2465±505	2185±444	2221±441	2332±419	2340±562	2440±601	2708±563
Bone Density (g/cm²)									
Total	1.09±0.13	1.11±0.13	1.15±0.11	1.09±0.12	1.11±0.12	1.14±0.10	1.09±0.14	1.11±0.14	1.16±0.12

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M	1.09±0.12	1.11±0.12	1.15±0.10	1.10±0.12	1.11±0.12	1.14±0.09	1.09±0.13	1.10±0.13	1.16±0.12
M+R	1.10±0.13	1.12±0.14	1.15±0.11	1.09±0.11	1.11±0.11	1.14±0.10	1.11±0.17	1.14±0.18	1.18±0.14
M+L	1.08±0.12	1.10±0.12	1.15±0.12	1.09±0.13	1.10±0.12	1.14±0.12	1.07±0.12	1.09±0.11	1.15±0.11
(B)	Non-Hispanic Black			Hispanic			Non-Hispanic White		
<i>Visit month ⇒</i>	<i>Mo 0</i>	<i>Mo 6</i>	<i>Mo 24</i>	<i>Mo 0</i>	<i>Mo 6</i>	<i>Mo 24</i>	<i>Mo 0</i>	<i>Mo 6</i>	<i>Mo 24</i>
BMI (kg/m²)									
Total	36.6±8.1	36.5±8.2	38.7±8.9	34.5±7.4	35.0±7.8	36.4±8.5	33.5±7.0	33.3±7.7	35.2±7.8
M	37.1±9.2	36.6±8.9	37.8±10.6	35.4±7.5	35.8±7.5	37.4±8.4	34.0±6.5	33.8±7.3	34.4±7.8
M+R	36.6±8.6	37.3±8.9	40.3±8.6	34.9±7.3	35.9±7.8	37.2±8.2	34.5±7.5	35.4±7.9	38.7±6.6
M+L	36.1±6.5	35.8±6.9	38.2±7.8	33.2±7.5	33.0±8.0	33.8±8.7	32.0±6.8	30.8±7.5	32.6±7.9
Fat Mass (%)									
Total	36.8±6.0	36.1±6.4	36.5±7.1	38.6±6.0	38.4±6.4	39.2±6.4	37.6±6.7	36.9±8.0	39.0±9.4
M	36.8±5.4	36.0±5.4	36.2±7.0	37.9±6.2	38.3±6.4	39.3±6.6	38.4±8.4	38.0±8.6	39.5±10.5
M+R	35.5±6.0	35.1±6.6	36.7±7.1	39.2±5.8	38.9±5.6	40.8±5.1	37.7±5.4	38.8±7.8	42.3±8.5
M+L	37.6±6.5	37.0±7.1	36.5±7.4	38.8±6.1	37.9±7.0	37.2±7.2	36.5±6.0	34.1±7.0	35.1±7.9
Waist Circ. (cm)									
Total	111.4±17.5	112.2±18.3	114.1±17.1	108.9±16.1	108.9±16.5	111.5±15.7	106.2±16.3	105.3±17.1	109.0±17.8

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M	112.6±18.5	114.0±19.0	114.3±20.7	110.3±15.2	110.8±15.3	111.9±14.5	108.7±15.9	105.1±16.8	107.1±17.7
M+R	111.5±18.9	113.3±20.4	115.1±15.0	111.1±16.1	110.6±16.6	114.3±15.7	105.5±16.5	108.0±16.7	115.1±17.3
M+L	110.2±15.4	109.8±15.8	113.3±16.0	105.1±16.5	105.3±17.2	106.8±16.6	104.2±16.5	103.0±17.9	105.1±17.6
Abd. Height (cm)									
Total	25.4±3.7	25.3±3.7	25.8±3.5	23.6±3.4	23.8±3.5	24.5±3.6	24.2±3.7	23.9±3.9	24.5±4.2
M	25.6±4.0	25.6±4.1	25.5±4.1	23.9±3.3	24.4±3.4	24.7±3.1	24.4±3.6	23.9±4.0	24.0±4.5
M+R	25.2±3.7	25.5±3.7	26.5±2.6	23.7±3.2	24.0±3.4	24.9±3.4	24.7±3.9	24.9±3.9	25.8±4.3
M+L	25.4±3.4	25.0±3.3	25.4±3.6	23.1±3.8	23.0±3.7	23.7±4.3	23.4±3.4	22.9±3.8	23.9±3.7
Fat Mass (kg)									
Total	34.8±9.7	34.1±9.4	35.9±10.2	32.9±9.7	33.3±10.2	36.3±10.2	33.0±10.8	32.1±11.9	37.0±13.9
M	34.2±9.1	33.5±9.8	33.7±11.2	33.1±9.6	33.6±9.8	37.1±10.0	35.3±12.0	34.7±12.7	38.0±16.2
M+R	33.5±9.5	33.9±9.3	39.0±10.1	34.5±10.4	35.2±9.6	39.2±10.0	33.6±11.2	33.9±11.8	43.1±12.2
M+L	36.1±10.2	34.7±9.5	35.1±9.4	30.9±8.9	31.2±11.0	31.6±9.3	29.7±8.1	27.8±10.5	29.6±9.5
Bone Content (g)									
Total	2481±520	2573±523	2717±480	2159±479	2182±446	2343±462	2278±446	2348±474	2566±447
M	2407±467	2470±450	2581±477	2174±454	2145±404	2334±388	2383±463	2438±471	2709±448
M+R	2574±663	2652±628	2802±450	2217±493	2267±483	2406±539	2294±374	2378±359	2565±362
M+L	2475±441	2593±481	2746±502	2082±484	2132±442	2279±447	2145±482	2237±553	2414±497

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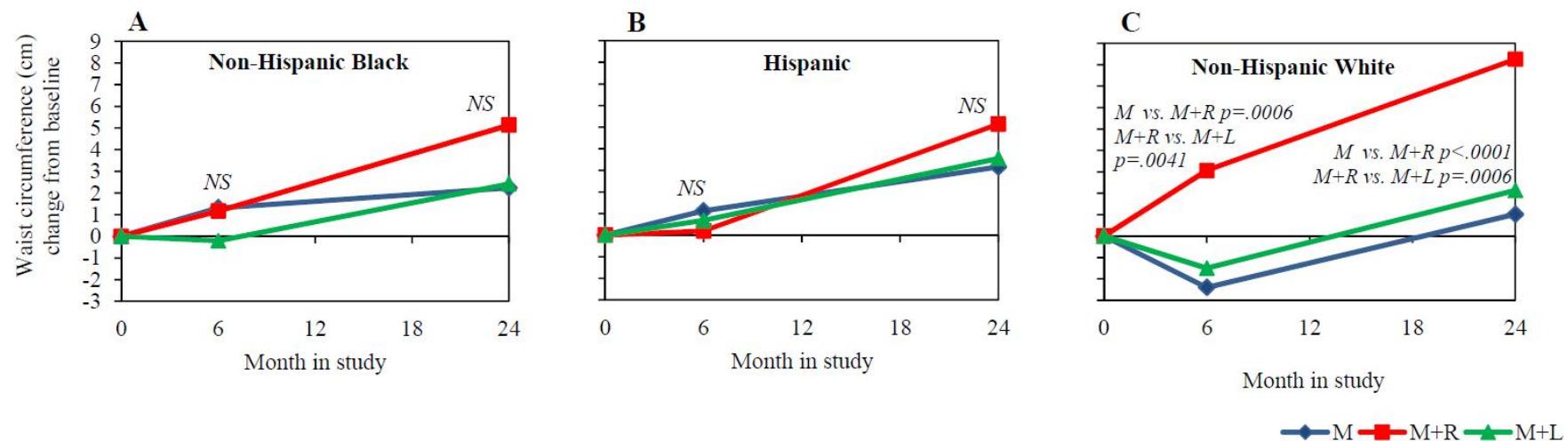
Bone Density (g/cm ²)									
Total	1.14±0.13	1.17±0.14	1.21±0.12	1.07±0.12	1.08±0.11	1.12±0.10	1.08±0.11	1.11±0.12	1.15±0.10
M	1.13±0.12	1.16±0.13	1.18±0.10	1.07±0.12	1.07±0.10	1.12±0.08	1.11±0.12	1.11±0.13	1.18±0.12
M+R	1.16±0.17	1.18±0.17	1.21±0.13	1.08±0.11	1.09±0.12	1.12±0.11	1.09±0.10	1.13±0.08	1.17±0.07
M+L	1.14±0.12	1.17±0.12	1.23±0.13	1.05±0.12	1.06±0.10	1.11±0.10	1.04±0.11	1.08±0.13	1.10±0.10

* Based on sample available for each measure at each time point: Total n=699 at baseline, 596 at 6 months, 403 at 24 months. About one quarter of the DXA scans could not be used in the analysis; scans were invalidated due to either weight and size limitations set by the equipment manufacturers or because a body part (e.g., arm, leg) was completely or partially off the scanner, there was hand-hip overlap, or there was movement during the scan.

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Supplementary Figure 1. Model-adjusted mean (LSmean) waist circumference (cm) change from baseline for (A) non-Hispanic Black, (B) Hispanic, and (C) non-Hispanic White at 6 and 24 months, by treatment*.

* Treatment groups are denoted by M for metformin alone, M+R for metformin + rosiglitazone, and M+L for metformin + intensive lifestyle intervention. LSmeans and p-values are output from an analysis modeling waist circumference change from baseline (6-0 and 24-0) as a function of baseline value, treatment, period (0 to 6 or 0 to 24), and the interaction of treatment-by-period. Significant treatment group differences at 6 and 24 months are indicated within the figure (non-significant differences are indicated by NS). Significant race/ethnicity differences within each treatment group (not indicated in figures) found were: 1) within the M group, from baseline to 6 months, non-Hispanic White were different from Hispanic ($p=.0095$) and from non-Hispanic Black ($p=.0106$); and 2) within the M+R group, non-Hispanic White were different from Hispanic ($p=.0404$) from baseline to 6 months, and from baseline to 24 months ($p=.0454$). No other race/ethnicity differences within treatment group were found.



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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. Lavietes, 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. 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

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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