Scientific Research



Search Keywords, Title, Author, ISBN, ISSN

Home	Journals	Books	Conferences	News	About Us	; Job:
Home > Journal > Social Sciences & Humanities > PSYCH					Open Special Issues	
Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges					Published Special Issues	
PSYCH> Vol.2 No.8, November 2011					Special Issues Guideline	
OPEN GACCESS The Influence of Personality and Health Beliefs on Maintaining Proper Hydration					PSYCH Subscription	
PDF (Size: 139KB) PP. 804-810 DOI: 10.4236/psych.2011.28123					Most popular papers in PSYCH	
Author(s)					About PSYCH News	
Stephen M. Patterson, Deborah E. Spinks					Frequently Asked Questions	
ABSTRACT The present study was designed to examine factors that could facilitate or impede adherence to proper hydration. Forty volunteers (20 male, 20 female) were randomly assigned to one of two groups: Informed Group ($n = 20$) and Uninformed Group ($n = 20$). Bioelectrical impedance was used to measure intracellular (ICW) and extracellular (ECW) body water at Time 1 and 2. Personality, health beliefs, and health behaviors inventories were administered at Time 1. A health information brochure on proper hydration and consequences of poor hydration was given to the Informed Group. All participants were given six 1-liter heattles of water and drops two battles part day. Both ICW, $E(1, 20) = 4, 70, p \in 0.5$ and ECW , $E(1, 20)$					Recommend to Peers	
					Recommend to Library	
					Contact Us	
10.12, p < .005, significantly increased for both groups, and females had significantly greater changes than males in ECW. E(1.38) = 4.43 , p < .05, and LCW. E(1.38) = 4.43 , p < .05, and LCW. E(1.38) = 4.48 , p < .05. Health information had po				eater changes than	Downloads:	247,364
significant effect on female adherence but was a significant predictor of male adherence, $\beta = .266$, p < .05. Agreeableness, $r = .36$, p < .05, and social desirability, $r = .33$, p < .05, were the only personality factors related to change in ECW for the group as a whole. Health beliefs were unrelated to adherence, but general health concern, $\beta =053$, p < .05, was a significant predictor of change in ECW for males, although it was an inverse relationship.					Visits:	543,601
					Sponsors >>	

KEYWORDS

Hydration, Adherence, Health Beliefs, Health Behaviors, Personality

Cite this paper

Patterson, S. & Spinks, D. (2011). The Influence of Personality and Health Beliefs on Maintaining Proper Hydration. *Psychology, 2,* 804-810. doi: 10.4236/psych.2011.28123.

References

- [1] Becker, M. H., Drachman, R. H., & Kirscht, J. P. (1974). A field experiment to evaluate various outcomes of continuity of physician care. American Journal of Public Health, 64, 1062-1070.
- [2] Berger, V. A., Rousset, P., MacCormack, C., Ritz, P. (2000). Reproducibility of body composition and body water spaces measurements in healthy elderly individuals. Journal of Nutrition, Health & Aging, 4, 243-245.
- [3] Bond, G. G., Aiken, L. S., and Somerville, S. C. (1992). The health belief model and adolescents with insulin-dependent diabetes mellitus. Health Psychology, 11, 190-198.
- [4] Booth-Kewley, S., & Vickers, R. R. (1994). Associations between major domains of personality and health behavior. Journal of Personality, 62, 281-298.
- [5] Christensen, A. J., & Smith, T. W. (1995). Personality and patient adherence: Correlates of the fivefactor model in renal dialysis. Journal of Behavioral Medicine, 18, 305-313.
- [6] Costa, P. T., & McCrae, R. R. (1992). Revised NEO Personality Inventory and NEO Five-Factor Inventory: Professional Manual. Odessa, FL: Psychological Assessment Resources.
- [7] Crowne, D. P., & Marlowe, D.(1960). A new scale of social desirability independent of psychopathology. Journal of Consulting Psychology, 24, 349-354.

- [8] Davidson, K., & Prkachin, K. (1997). Optimism and unrealistic optimism have an interacting impact on health-promoting behavior and knowledge changes. Personality & Social Psychology Bulletin, 23, 617-625.
- [9] Devine, E. C., & Reifschneider, E. (1995). A meta-analysis of the effects of psychoeducational care in adults with hypertension. Nursing Research, 44, 237-245.
- [10] Ena, J., Casan, R., Lozano, T. Leach, A., Algado, J.T., & Navarro_Diaz, F.J., (2009). Long-term improvements in insulin prescribing habits and glycaemic control in medical inpatients associated with the introduction of a standardized educational approach. Diabetes Research and Clinical Practice, 85, 159-65.
- [11] Fontaine, K. R., & Shaw, D. F. (1995). Effects of self-efficacy and dispositional optimism on adherence to step aerobic exercise classes. Perceptual & Motor Skills, 81, 251-255.
- [12] Friedman, L. C., Weinberg, A. D., Webb, J. A., Cooper, H. P., & Bruce, S., (1995). Skin cancer prevention and early detection intentions and behavior. American Journal of Preventive Medicine, 11, 59-65.
- [13] Ghaddar, S., Shamseddeen, W., & Elzein, H., (2009). Behavioral modeling to guide adherence to fluid control in hemodialysis patients. Journal of Renal Nutrition, 19, 153-60.
- [14] Given, C. W., Given, B. A., Gallin, R. S., & Condon, J. W. (1983). Development of scales to measure beliefs of diabetic patients. Research in Nursing and Health, 6, 127-141.
- [15] Hammond, A., Lincoln, N., & Sutcliffe, L. (1999). A crossover trial evaluating an educationalbehavioural joint protection programme for people with rheumatoid arthritis. Patient Education & Counseling, 37, 19-32.
- [16] Lemos-Giraldez, S., & Fidalgo-Aliste, A. M. (1997). Personality dispositions and health-related habits and attitudes: A cross-sectional study. European Journal of Personality, 11, 197-209.
- [17] Leventhal, H. (1993). Theories of compliance, and turning necessities into preferences: Application to adolescent health action. In N. A. Krasnegor, L. Epstein, S. B. Johnson, & S. J. Yaffe (Eds.), Developmental aspects of health compliance behavior (pp. 91-124). Hillsdale, NJ: Lawrence Erlbaum Associates.
- [18] Lynch, D., Birk, T., Weaver, M., Gohara, A., Leighton, R., Repka, F., & Walsh, M. (1992). Adherence to exercise interventions in the treatment of hypercholesterolemia. Journal of Behavioral Medicine, 15, 365-377.
- [19] Lynch, D., Repka, F., Nagel, R., Birk, T., Gohara, A., Leighton, R., Walsh, M., & Weaver, M., (2000). Prediction of dietary adherence in cholesterol reduction: Relative contribution of personality variables and health attitudes. Psychology and Health, 15, 821-828.
- [20] Mulkana, S. S., & Hailey, B. J. (2001). The role of optimism in health-enhancing behavior. American Journal of Health Behavior, 25, 388- 395.
- [21] O' Brian, C., Young, A.J., Sawka M.N. (2001). Bioelectrical impedance to estimate changes in hydration status. International Journal of Sports Medicine, 23, 361-366.
- [22] Paulhus, D. L. (1991). Measurement and control of response bias. J. P. Robinson, P. R. Shaver, & L. S. Wrightsman (Eds.), Measures of personality and social psychological attitudes (pp. 17-59). San Diego, CA: Academic Press.
- [23] Rand, C. S., & Weeks, K. (1998). Measuring adherence with medication regimens in clinical care and research. In S. A. Shumaker, E. B. Schron, J. K. Ockene, & W. L. McBee (Eds.), The handbook of health behavior change (Second ed.) (pp. 114-135). New York: Springer Publishing Co.
- [24] Rapoff, M. A. (1998). Adherence issues among adolescents with chronic disease. In S. A. Shumaker,
 E. B. Schron, J. K. Ockene, & W. L. McBee (Eds.), The handbook of health behavior change (Second ed.) (pp. 377-408). New York: Springer Publishing Co.
- [25] Sands, T., Archer, J., & Puleo, S. (1998). Prevention of health-risk behaviors in college students: Evaluating seven variables. Journal of College Student Development, 39, 331-342.
- [26] Segal, K. R., Burastero, S., Chun, A., Coronel, P., Pierson, R. N. Jr., Wang, J. (1991). Estimation of extracellular and total body water by multiple-frequency bioelectrical-impedance measurement. American Journal of Clinical Nutrition, 54, 26-29.