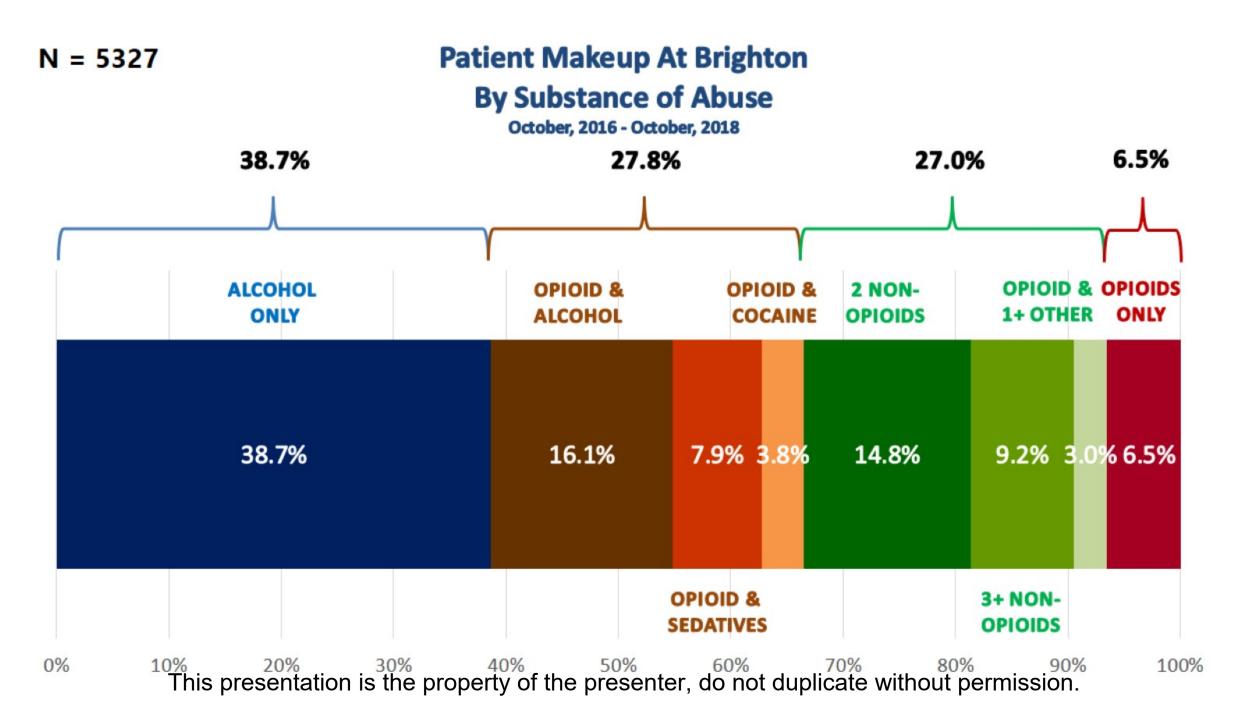
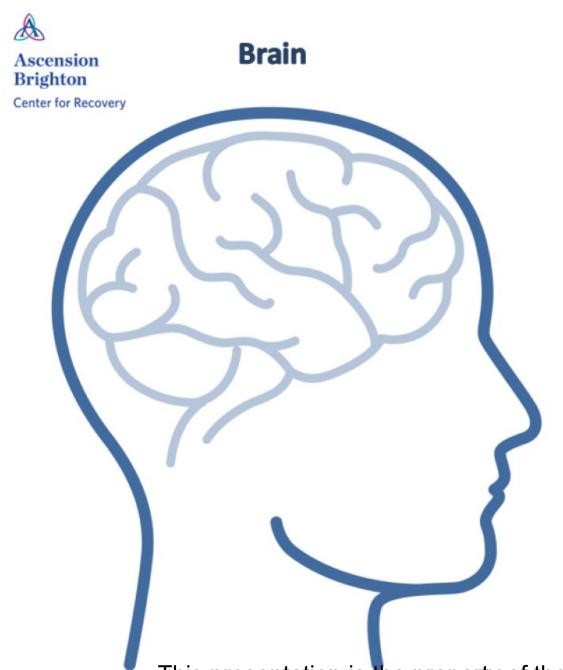


Ascension Brighton

Center for Recovery

Raymond Waller, MPH – Hospital Administrator





2% of Body Mass

Consumes 20% of Body Energy

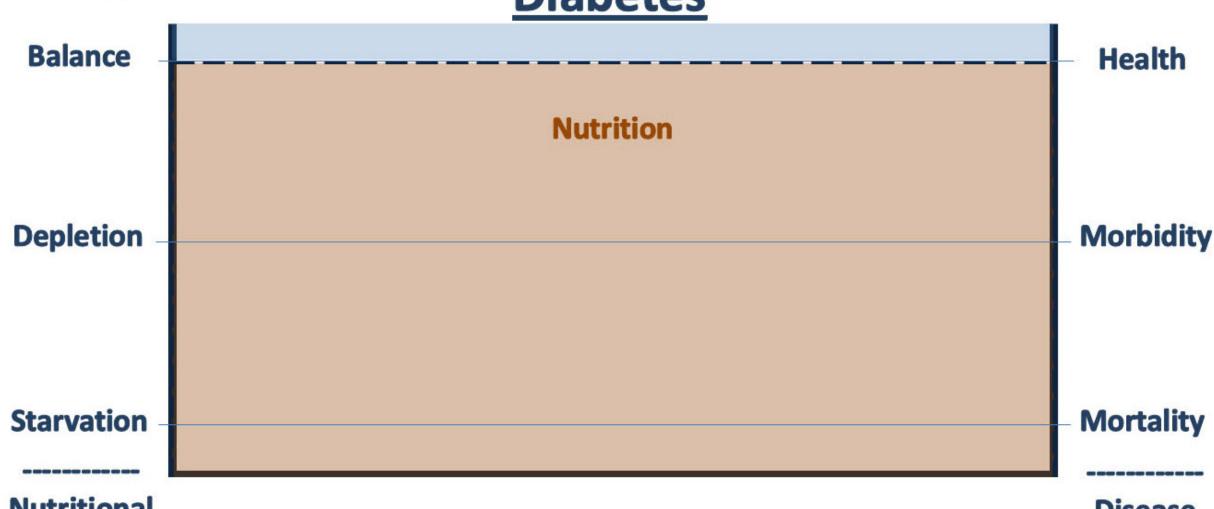


Mitochondria >> Brain Metabolism

Production of ATP



Homeostasis Diabetes



Nutritional Status

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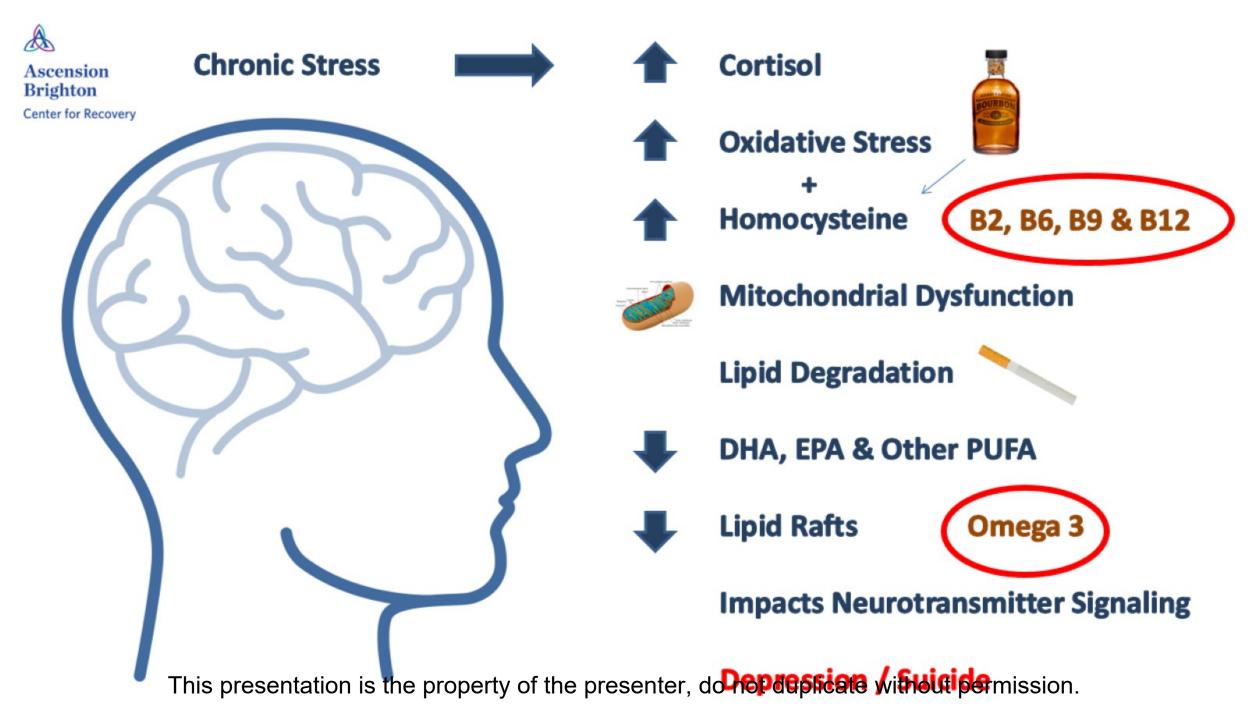
Disease Status





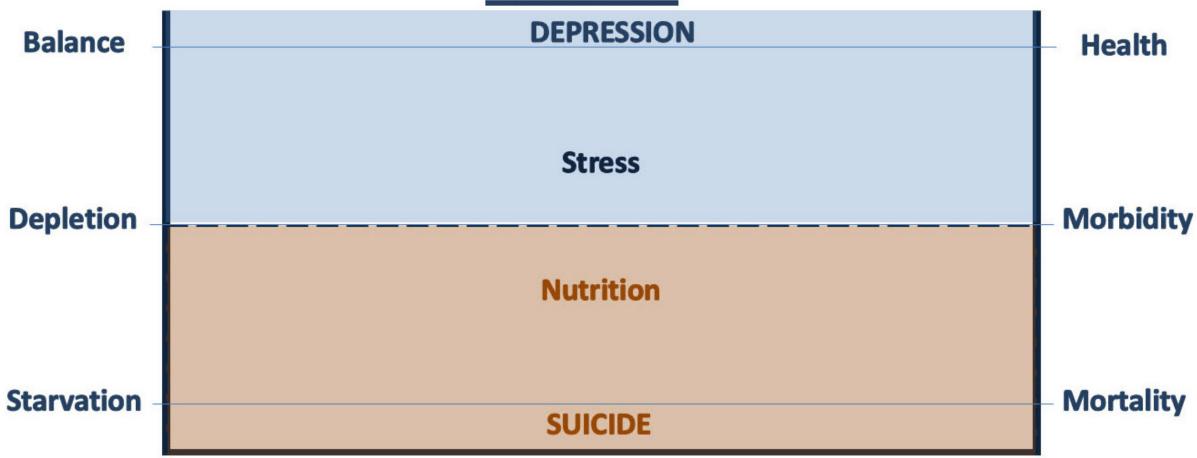








Substance Abuse Diabetes



Ascension

Brighton

Center for Recovery

Life Switch Hypothesis



Apoptosis



Depression >> Suicidal Ideation

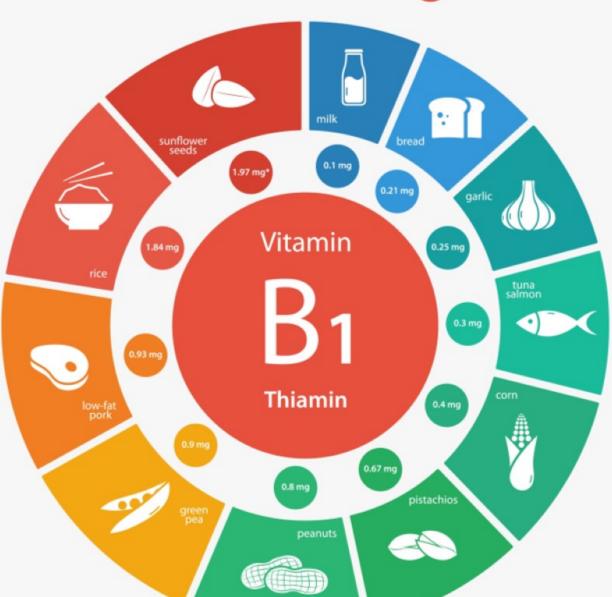
2017 Study, I.U. School of Medicine 90% SI Predictive Without Asking SI 77% Predictive Future Hospitalizations Nutrition!!!



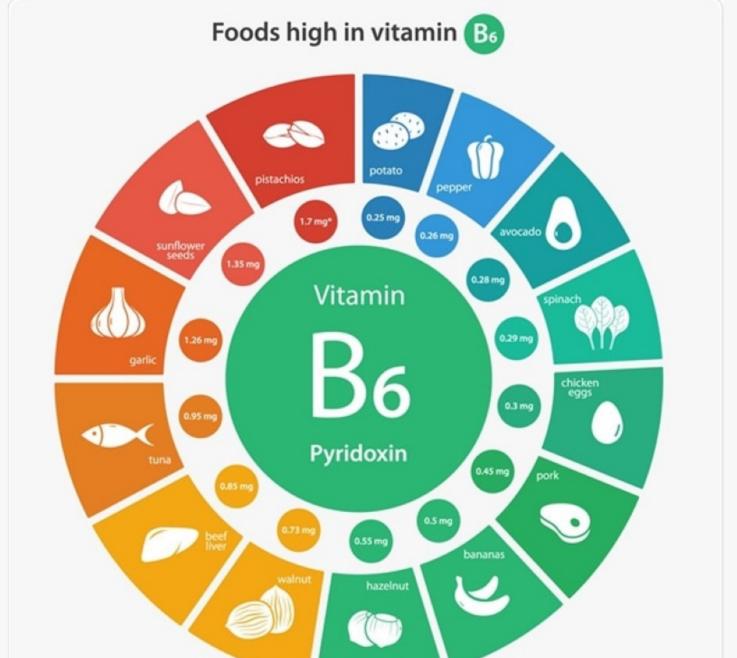
- 1. Niculescu, A., Le-Niculescu, H., Levey, D., Phalen, P., Dainton, H., Roseberry, K., et al. (2017). Precision medicine for suicidality: from universality to subtypes and personalization. Molecular Psychiatry, 22, 1250–1273.
- 2. Jing, D., Ming, Z., Hongkun, B., Bai, et al. (2017). The role of nutrients in protecting mitochondrial function and neurotransmitter signaling: implications for the treatment of depression, PTSD, and suicidal behaviors. Critical Reviews in Food Science and Nutrition, 15(56), 2560–2578.
- 3. Niculescu, A., Levey, D., Phalen, P., Le-Niculescu, H., Dainton, H., Jain, N., Belanger, E., James, A., George, S., Weber, H., Graham, D., Schweitzer, R., Ladd, T., Learman, R., Niculescu, E., Vanipenta, N., Khan, F., Mullen, J., Shankar, G., Cook, S., Humbert, C., Ballew, A., Yard, M., Gelbart, T., Shekhar, A., Schork, N., Kurian, S., Sandusky, G., Salomon, D., (2015). Understanding and predicting suicidality using a combined genomician predicting suicidality suici



Foods high in vitamin B

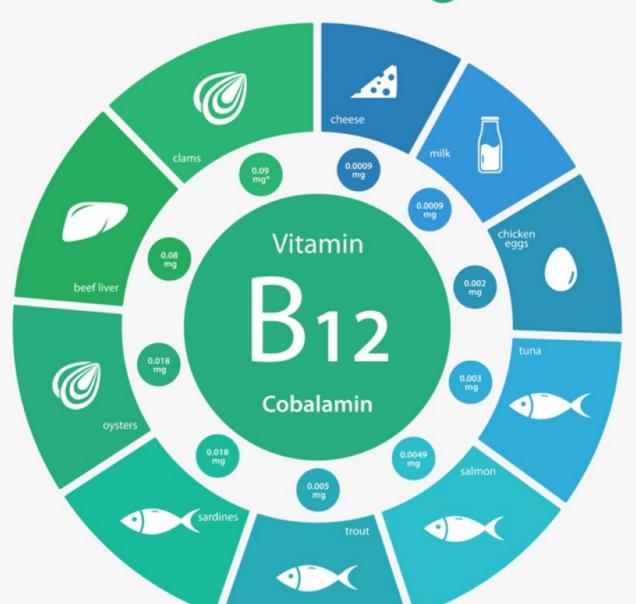








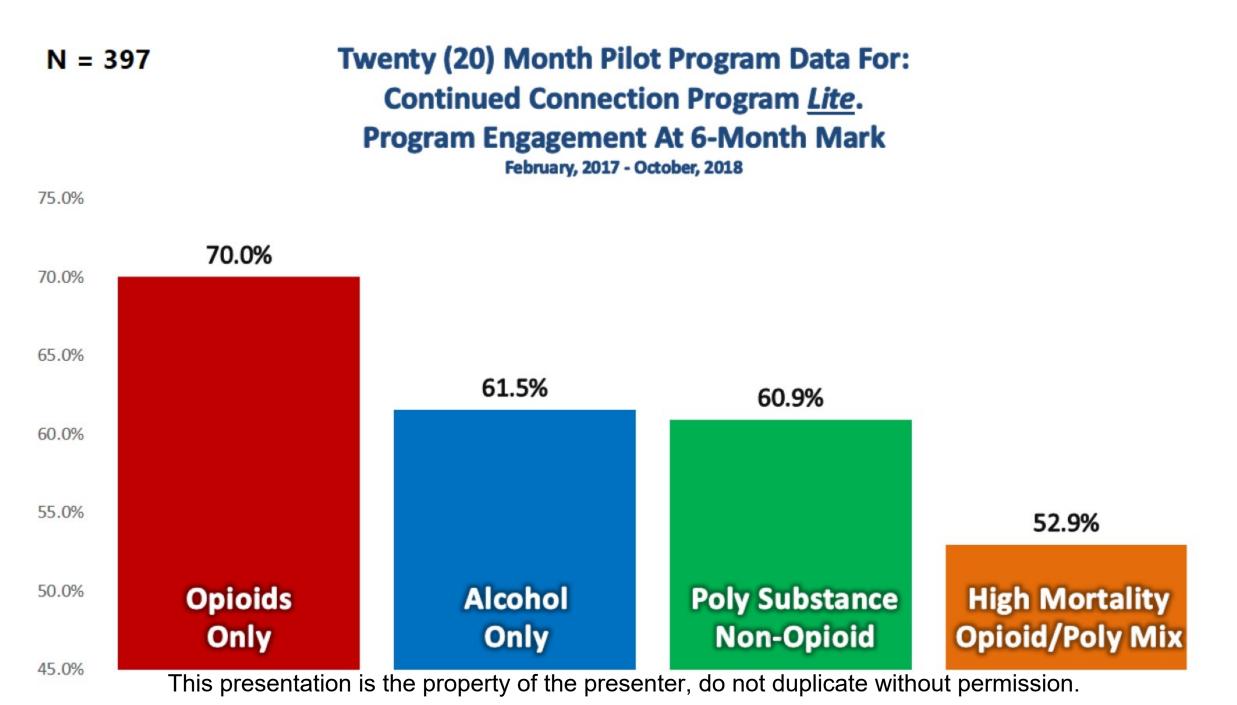
Foods high in vitamin B12





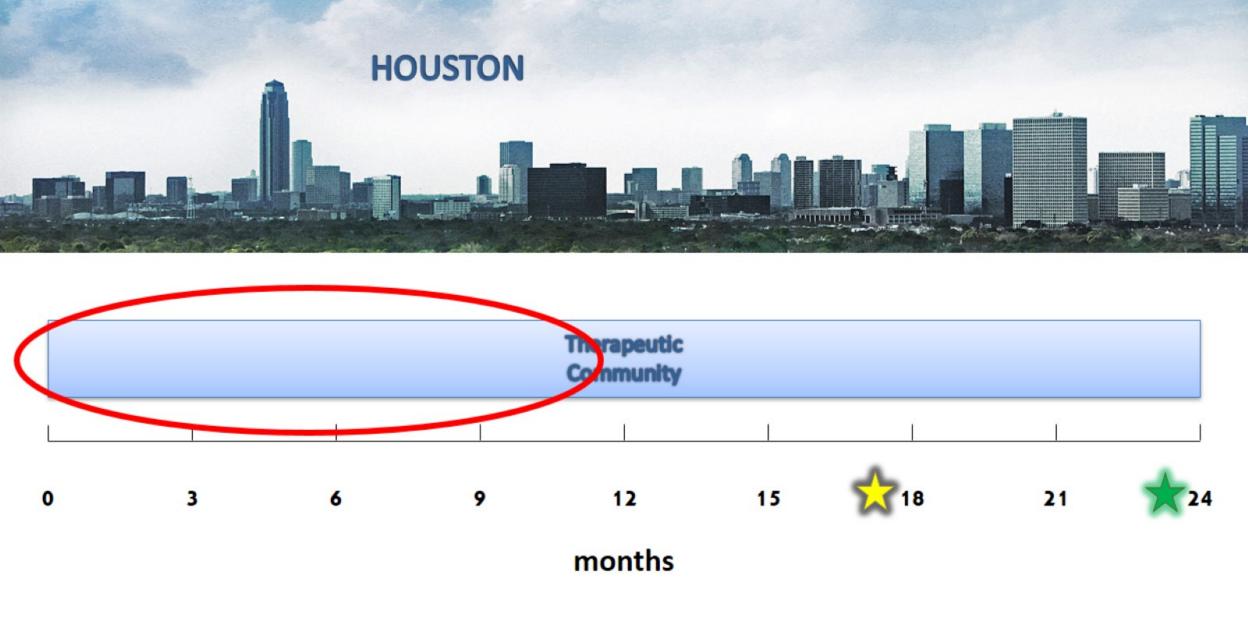


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Patient Profile: African American / 40tys / Indigent / High School Diploma or Less / Correctional Involvement / Multiple Chronic Conditions / Minimal Supports / History of Trauma / Poly-Substance Abuse vithout permission.



Patient Profile: Caucasian / 40tys / Middle Class Background / High School Diploma or Some College / Minimal Supports / History of Trauma / Poly Substance Abuse do not duplicate without permission.







Patient Profile: Caucasian / 40tys / Middle Class / Some College or Higher / Possible Mental Health Diagnosis / Family Supports / History of Trauma / Poly-Substance Abuse or Higher / Possible Mental Health Diagnosis / Poly-Substance Abuse or Higher / Possible Mental Health Diagnosis / Family Supports / History of Trauma / Poly-Substance Abuse or Higher / Possible Mental Health Diagnosis / Poly-Substance Abuse or Higher / Possible Mental Health Diagnosis / Poly-Substance Abuse or Higher / Possible Mental Health Diagnosis / Poly-Substance Abuse or Higher / Possible Mental Health Diagnosis / Poly-Substance Abuse or Higher / Possible Mental Health Diagnosis / Poly-Substance Abuse or Higher / Possible Mental Health Diagnosis / Poly-Substance Abuse or Higher / Possible Mental Health Diagnosis / Poly-Substance Abuse or Higher / Possible Mental Health Diagnosis / Poly-Substance Abuse or Higher / Poly-Substance / Poly-Subst



RECOMMENDATIONS

- Engagement Family
- Length
 Outpatient
- Leverage
 Grants
- No Approach Is Workable Without Repletion

Contact Information:

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