







DISCLOSURE

No financial conflicts of interest

Views expressed are my own and not representative of those of the University of Florida or The American Society of Addiction Medicine

"ALCOHOLICS ANONYMOUS HAS BEEN CALLED THE MOST SIGNIFICANT PHENOMENON IN THE HISTORY OF IDEAS IN THE 20TH CENTURY"

QUOTE FROM LASKER AWARD CITATION TO AA, 1951.







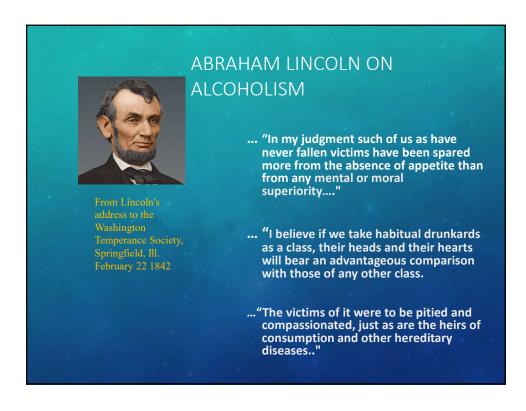


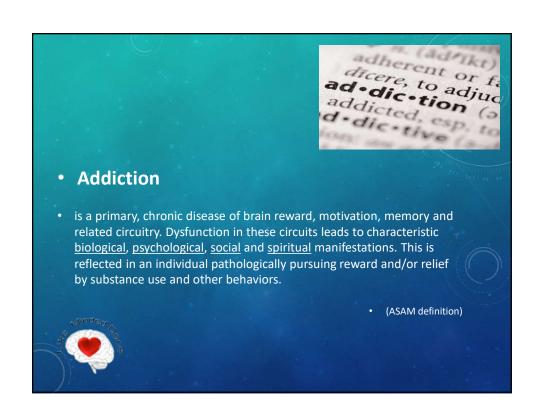
SEEDS OF ADDICTION MEDICINE

- Benjamin Rush
- AASCI American Association for Study and Cure of Inebriates
- · Medicalization of Addiction
- Increase number of asylums Large Profits
- Dr. T.D. Crothers Quarterly Journal of Inebriety, 1876-1914

BYLAWS OF THE AMERICAN ASSOCIATION FOR THE STUDY AND CURE OF INEBRIETY (1870)

- 1. Intemperance is a disease.
- 2. It is curable in the same sense that other diseases are.
- 3. Its primary cause is a constitutional susceptibility to the alcoholic impression.
- 4. This constitutional tendency may be either inherited or acquired.





ASAM NEW DEFINITION OF ADDICTION

DEFINITION:

ADDICTION IS A TREATABLE, CHRONIC MEDICAL DISEASE INVOLVING COMPLEX INTERACTIONS AMONG BRAIN CIRCUITS, GENETICS, THE ENVIRONMENT, AND AN INDIVIDUAL'S LIFE EXPERIENCES. PEOPLE WITH ADDICTION USE SUBSTANCES OR ENGAGE IN BEHAVIORS THAT BECOME COMPULSIVE AND OFTEN CONTINUE DESPITE HARMFUL CONSEQUENCES.

PREVENTION EFFORTS AND TREATMENT APPROACHES FOR ADDICTION ARE GENERALLY AS SUCCESSFUL AS THOSE FOR OTHER CHRONIC DISEASES.

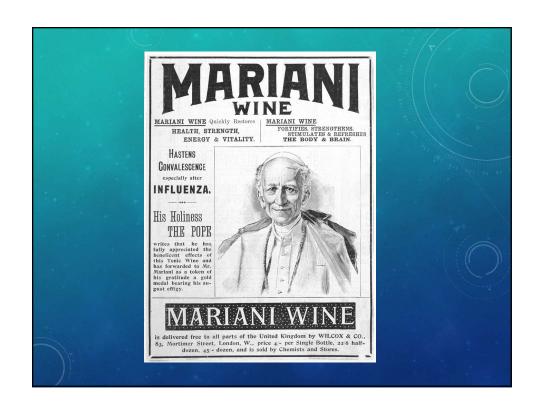
PROFESSIONALIZED TREATMENT OF ADDICTION IN THE NINETEENTH CENTURY

Treatment/Care of Inebriates	Representative institution/product	Founding date
Inebriate Homes	Washingtonian Home -Boston -Chicago Martha Washington Home (first women's facility)	1857 1863 1869
Inebriate Asylums	New York State Inebriate Asylum	1864
For-Profit Addiction Cure Institutes	Keeley Institutes Gatlin Institutes Neal Institutes	1879
Bottled/Boxed Addiction Cures	Hay-Litchfield Antidote Knight's Tonic for Inebriates Collin's Painless Opium Antidote	1868 1870s 1880s
Urban Missions & Inebriate Colonies	Water Street Mission Keswick Colony of Mercy	1872 1897
City Hospital Inebriate Wards	Bellevue Hospital—New York City	1879

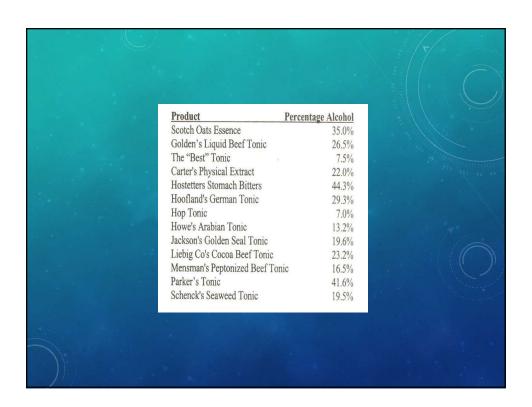


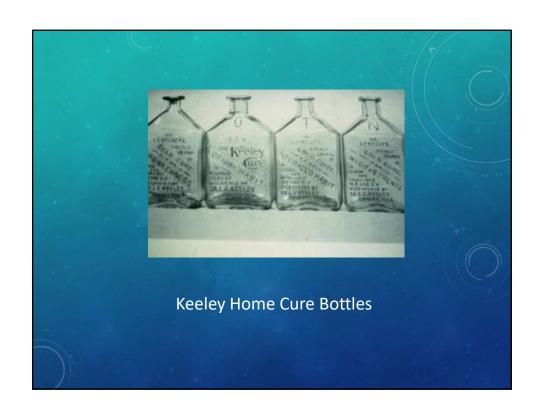


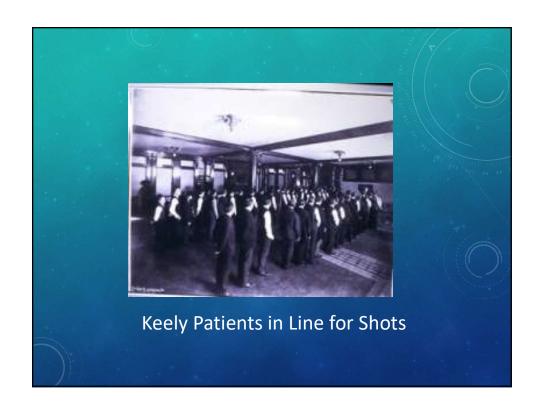










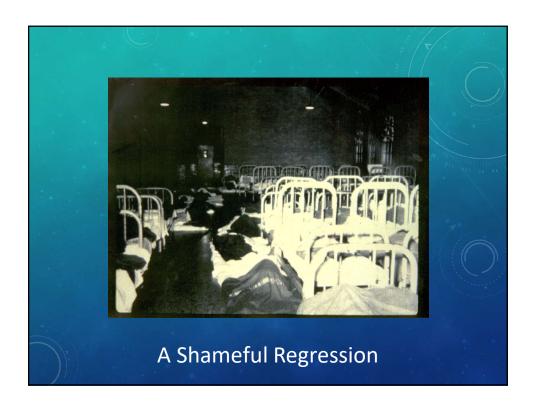


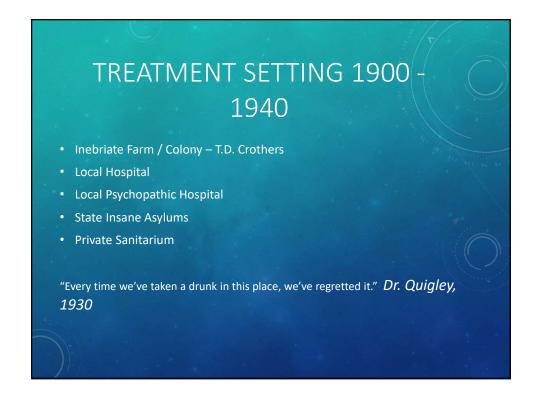
PREVIOUS MEDICAL APPROACHES TO ALCOHOLISM

- Benjamin Rush used bleeding, blistering and treatment with mercury laden calomel
- Water Cures
- Drugs: Cocaine, Morphine, Bromide (20% fatality)
- · Drink wine in which eels suffocated
- Aversion
- · ECT, Psycho-surgery
- Mandatory sterilization

A SHAMEFUL REGRESSION

- Inebriate Penal Colonies
- Insane Asylums
- "Foul wards" and "cells" of urban hospitals
- Invasive Treatments, e.g., mandatory sterilization, ECT, psychosurgeries









THE MODERN ALCOHOLISM MOVEMENT

- Alcoholics Anonymous
- Research Council on Problems of Alcohol
- · Yale Center for Alcohol Studies
- National Committee for Education on Alcoholism

18TH-19TH CENTURY RECOVERY MUTUAL AID SOCIETIES

Native American Religious/Cultural

Revitalization Movements (1730s-present)

Washingtonian Movement (1840)

Fraternal Temperance Societies (mid-1840s)

Ribbon Reform Clubs (1870s)

The Drunkard's Club (early 1870s)

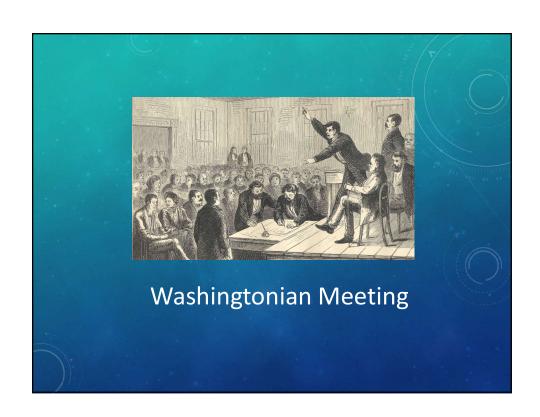
Institutional Support Groups

- —Ollapod Club (1864-1868)
- —Godwin Association (1872)
- —Keeley Leagues (1891)

Business Men's Moderation Society (1879)

WASHINGTONIAN REVIVAL

- Followed Struggling Temperance Movement
- Leaders from Working Class, in Contrast to Temperance Elite
- Ritual of Public Confessions by Charismatic Leaders



WASHINGTONIANS MOVEMENT

- 1st Mutual Aid Society for Alcoholics
- ❖ Laid foundation which included focus on:

Welfare and reformation of individual alcoholic

Abstinence

Fellowship

Sharing Recovery

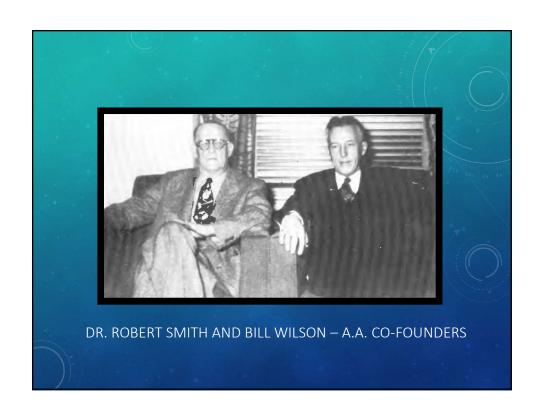
Spiritual foundation

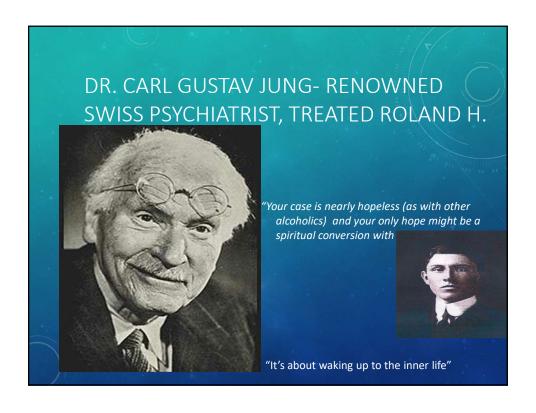
Demise – secondary to ideological issues and relapse of reformed drinkers

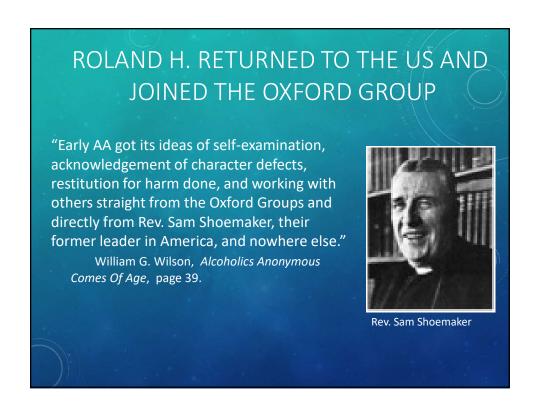
BIRTH OF AA

- Timing
- Carl Jung, Rowland H. failed treatment
- Oxford Groups
- 12 Steps 1938
- 12 Traditions 1946
- 12 & 12 1953

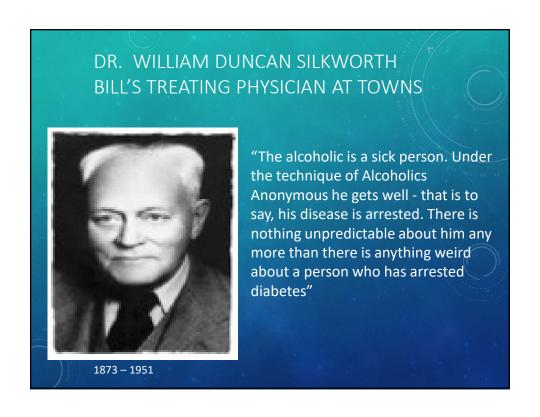


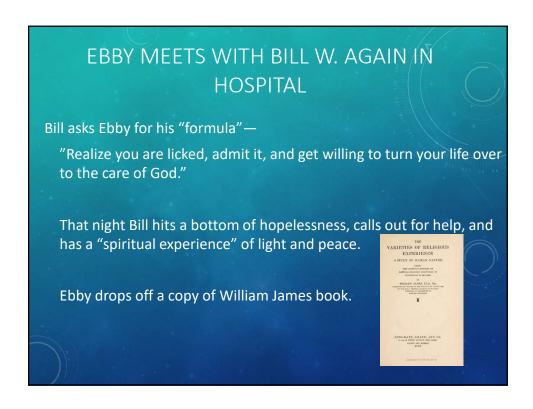


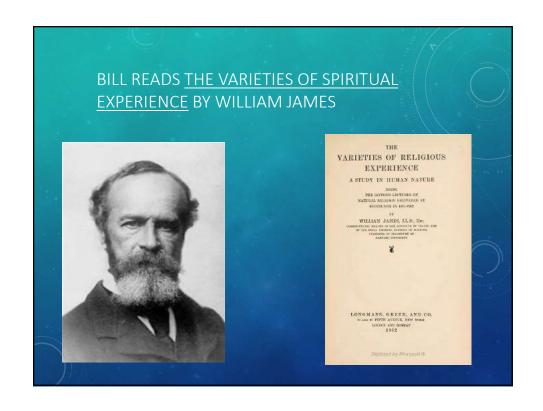










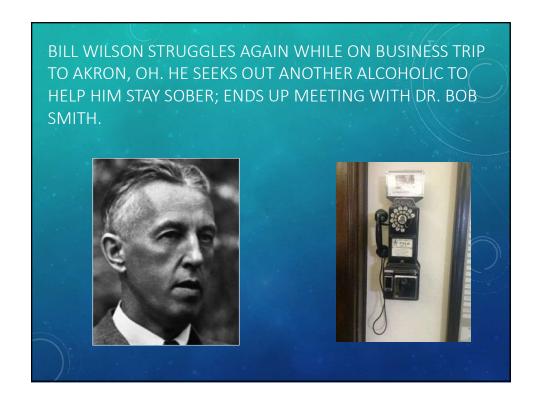


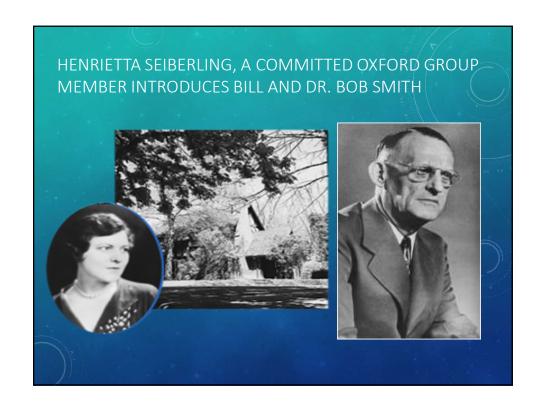
WILLIAM JAMES

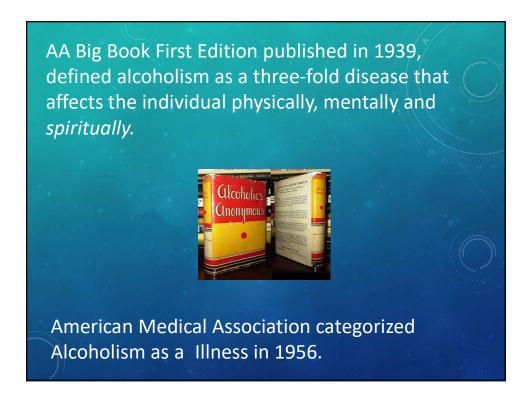
"Accepting the gift of suffering is central to the process of waking up. In fact, so central that we can say, without exaggeration, that it is impossible to wake up without suffering, to one degree or another."

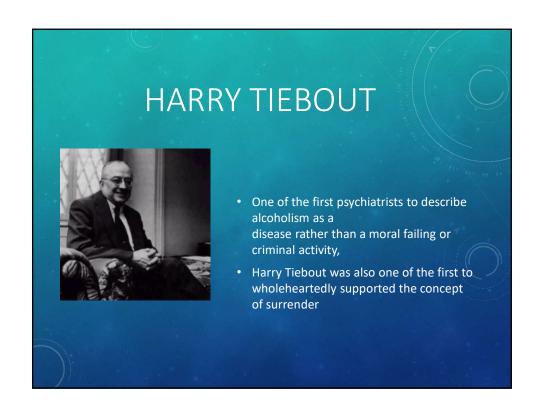
"All religions and spiritual traditions begin with the cry "Help!"

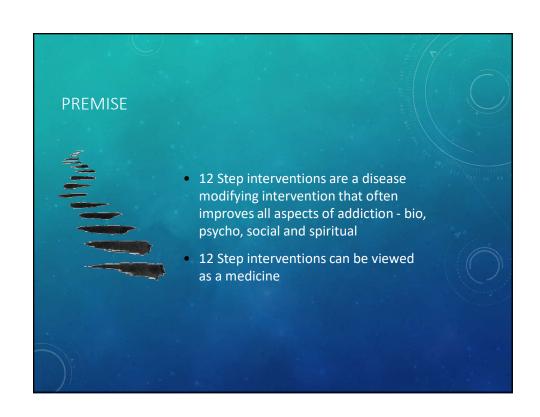
"The ultimate effect of spiritual experience on the person (is what) determines its worth."









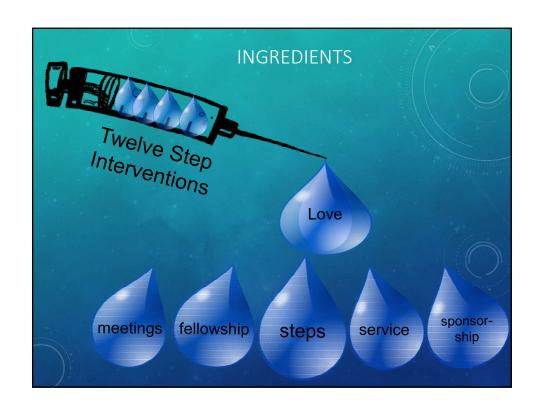






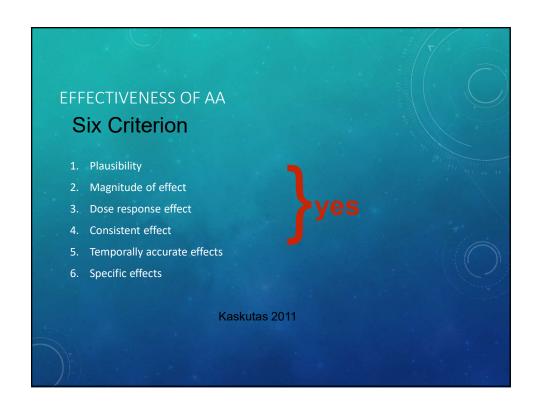




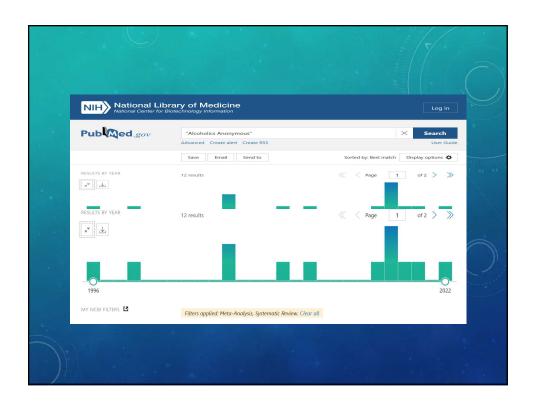




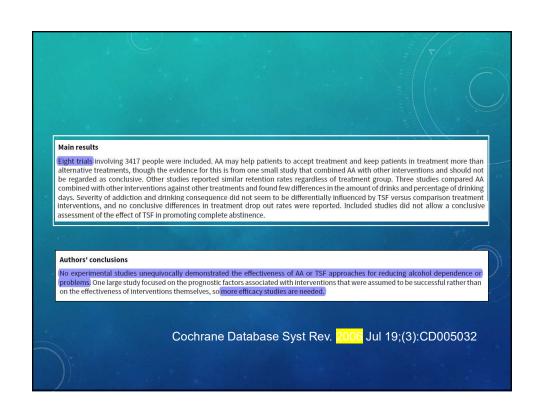
"AA's Twelve Steps are a group of principles, spiritual in their nature, which, if practiced as a way of life, can expel the obsession to drink and enable the sufferer happily and usefully whole....Nothing short of continuous action upon these as a way of life can bring the much-desired result."











Meta-Analysis of the Literature on Alcoholics Anonymous: Sample and Study Characteristics Moderate Findings

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ABSTRACT. Objective: Reviews of research on Alcoholics Anonymous (AA) have speculated how findings may differ when grouped by client and study characteristics. A meta-analytic review by Emrick et al. in 1993 provided empirical support for this concern but did not explore its implications. This review divided results of AA affiliation and outcome research by sample origin and global rating of study quality. The review also examined the statistical power of studies on AA. Method: Meta-analytic procedures were used to summarize the findings of 74 studies that examined AA affiliation and outcome. Results were divided by whether samples were drawn from outpatient or inpatient settings and a global rating of study quality that jointly considered use of subject selection and assignment, reliability of measurement and corroboration of

self-report. Efficacy of dividing study results was examined by changes in magnitude of correlations and unexplained variance. Results: AA participation and drinking outcomes were more strongly related in outpatient samples, and better designed studies were more likely to report positive psychosocial outcomes related to AA attendance. In general, AA studies lacked sufficient statistical power to detect relationships of interest. Conclusions: AA experiences and outcomes are heterogeneous, and it makes little sense to seek omnibus profiles of AA affiliates or outcomes. Well-designed studies with large outpatient samples may afford the best opportunity to detect predictors and effects of AA involvement. (J. Stud. Alcohol 57: 65-72, 1996)

COST OFFSET FINDINGS IN THE VETERANS HEALTH ADMINISTRATION SOURCE: HUMPHREYS, K., & MOOS, R. ALCOHOLISM: CLINICAL AND EXPERIMENTAL RESEARCH, 25, 711-716.

Pollow-up study of over 1700 VA patients (100% male, 46% African-American) receiving one of two types of care: Forgrams were based on 12-step principles and placed heavy emphasis on self-help activities Forgrams were based on cognitive-behavioral principles and placed little emphasis on self-help activities



SELF-HELP GROUP PARTICIPATION AT 1-YEAR FOLLOW-UP WAS HIGHER AFTER SELF-HELP ORIENTED TREATMENT

- 36% of 12-step program patients had a sponsor, over double the rate of cognitive-behavioral program patients
- 60% of 12-step program patients were attending self-help groups, compared with slightly less than half of cognitive-behavioral program patients



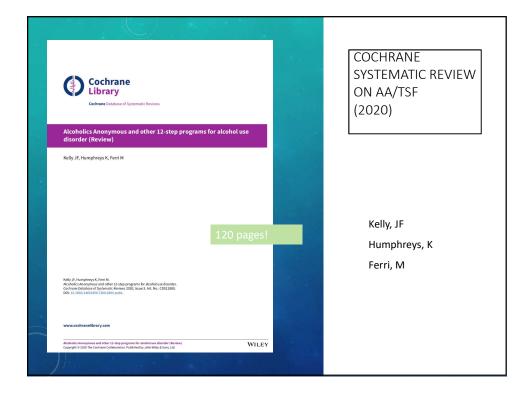




2-YEAR FOLLOW-UP OF SAME SAMPLE

- 50% to 100% higher self-help group involvement measures favoring 12-step
- Abstinence difference increased: 49.5% in 12-step versus 37.0% in CB
- A further \$3,600 health care cost reduction (total for two years = \$10,600 in 2014USD)

Source: Humphreys, K., & Moos, R. (2007). Encouraging posttreatment self-help group involvement to reduce demand for continuing care services: Two-year clinical and utilization. Alcoholism: Clinical & Experimental Research, 31, 64-68

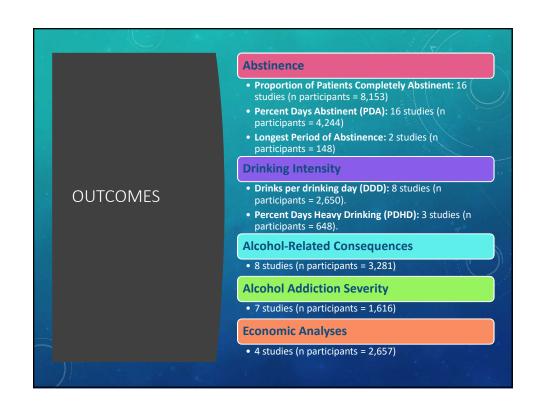






INCLUDED STUDIES (N PARTICIPANTS)

A total of 27 primary studies containing N=10,565 participants were included (21 RCTs/quasi-RCTs, 5 non-randomized, and 1 purely economic study) that reported follow-up results across 36 reports.

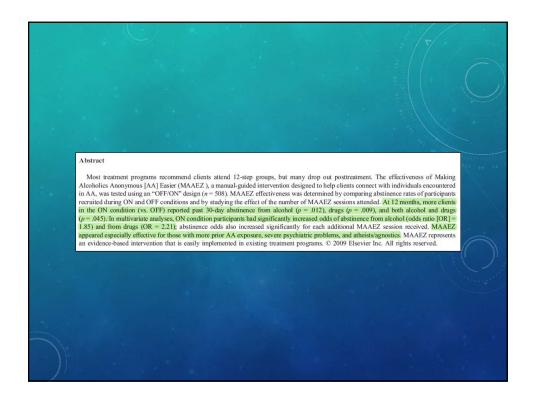














"WE DO THAT ALREADY: NORMAL REFERRAL PROCESSES ARE INEFFECTIVE

Sample: 20 alcohol outpatients

Source:

Design: Outpatients randomly assigned to standard 12-step

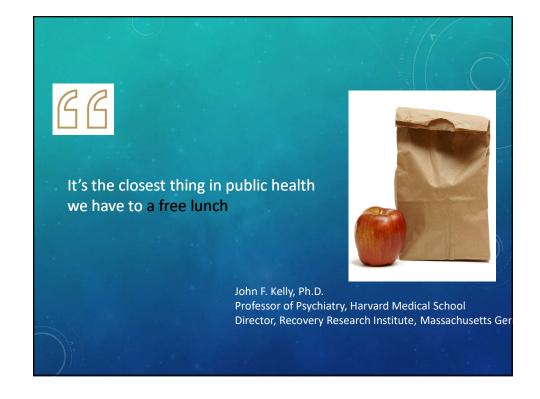
self-help group referral (list of meetings and therapist encouragement to attend) or intensive referral (in-session

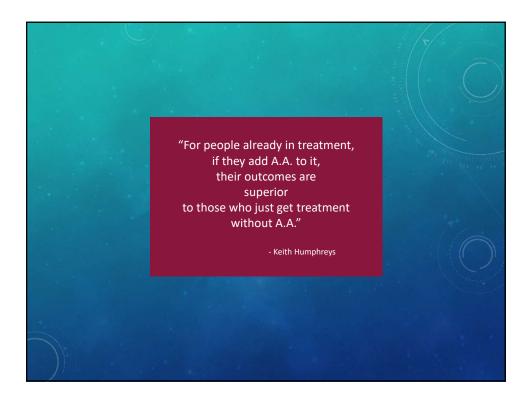
phone call to active 12-step group member)

Results: Attendance rate after intensive referral: 100%

Attendance rate after standard referral: 0%

Sisson, P.W., & Mallams, J.H. (1981). The use of systematic encouragement and community access procedures to increase attendance at AA meetings. Am J Drug Ale Abuse, 8, 371-376.





Sober?

 Among the most reliable and robust findings from clinical studies of alcohol and drug addicted patients is that continued, active participation in Alcoholics Anonymous or other social-support form of recovery maintenance is an excellent predictor of sustained sobriety and good social function. (McLellan 2013)





PARTIAL MEDIATORS OF 12-STEP GROUPS' EFFECT ON SUBSTANCE USE IDENTIFIED IN RESEARCH

- Increased self-efficacy
- Strengthened commitment to abstinence
- More active coping
- Enhanced social support
- Greater spiritual and altruistic behavior
- Replacement of substance-using friends with abstinent friends

IRVIN YALOM'S CURATIVE FACTORS OF GROUP TREATMENT

THE THEORY AND PRACTICE OF GROUP PSYCHOTHERAPY, 4TH ED., 1995.

- Instillation of Hope faith that the treatment mode can and will be effective.
- Universality demonstration that we are not alone in our misery or our "problems".
- Imparting of information didactic instruction about mental health, mental illness, psychodynamics or whatever else might be the focal problem of the group (Ex. ACOA, Alanon; learning about the disease process itself).
- Altruism opportunity to rise out of oneself and help somebody else;
 the feeling of usefulness; get out of yourself; give back
- Corrective recapitulation of primary family group experiencing transference relationships growing out of primary family experiences, providing the opportunity to relearn and clarify distortions.

IRVIN YALOM'S CURATIVE FACTORS OF GROUP TREATMENT

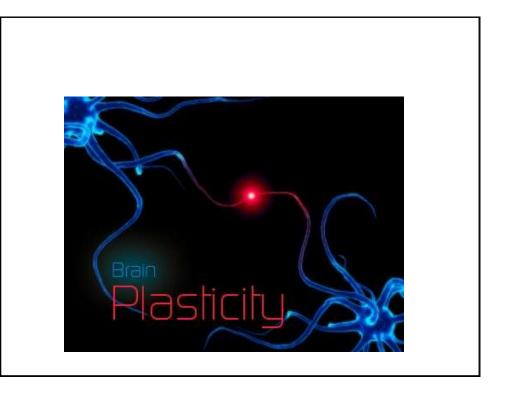
THE THEORY AND PRACTICE OF GROUP PSYCHOTHERAPY, 4TH ED., 1995.

- Direct Advice receiving and giving suggestions for strategies for handling problems.
- Interpersonal learning receiving feedback from others and experimenting with new ways of relating.
- Development of socializing techniques social learning or development of interpersonal skills
- Imitative behavior taking on the manner of group members who function at a higher level (model the experienced ones)
- Catharsis opportunity for expression of strong emotions
- Existential factors recognition of the basic features of existence through sharing with others (e.g. ultimate aloneness, ultimate death, ultimate responsibility for our own actions).

MECHANISM OF ACTION MEETINGS

- Socialization hard-wired in our brains
- Activation of limbic reward centers seen in fMRIs
- Increase Oxytocin, decreased cortisol

Teresi, Haroutunian "Hijacking the Brain"



CORRELATION OF 12-STEPS WITH SIX ELEMENTS IMPORTANT TO THE SUCCESS OF PSYCHOTHERAPY*

- 1. Release of emotional tension in the context of hope and expectation of receiving help.
- 2. Identification with the method.
- 3. Suggestion and persuasion.
- 4. Operant re-conditioning.
- 5. Repeated reality testing.
- 6. Cognitive learning about the basis for one's difficulties.

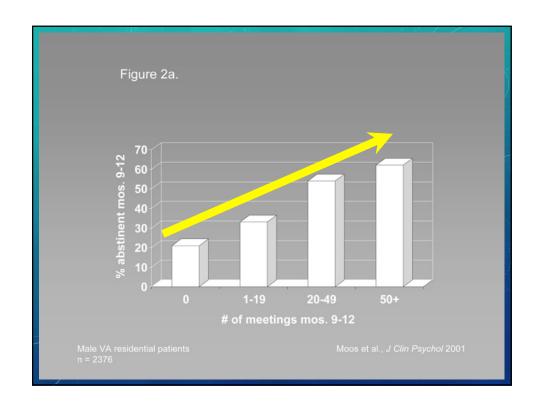
^{*}Judd Marmor, M.D., American J. Psychiatry, April 1980











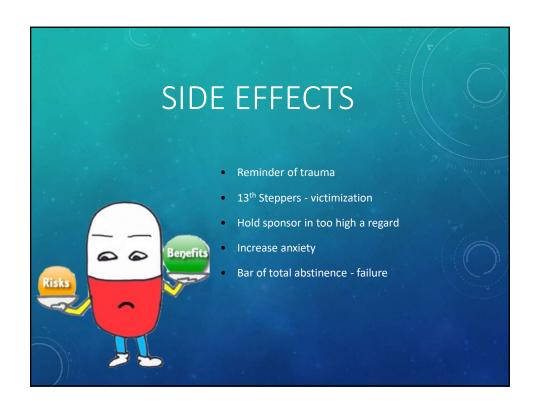










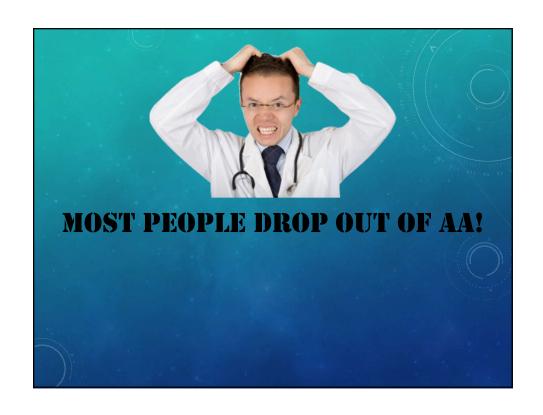










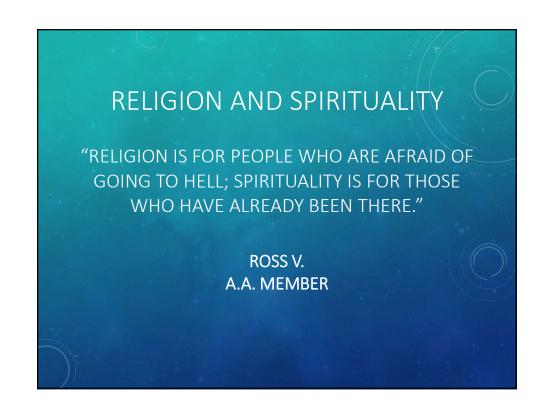


COMPLIANCE

- Research studies done to date have generally found that only about 25 35% of those who attend one meeting of AA go on to active participation (e.g. attend 90 meetings, acquire a sponsor, etc.). (McLellan)
- 24% maintained continued Twelve Step involvement or those who entered AA (NESARC by NIAAA)

BARRIERS, NOT "CONTRAINDICATIONS" Preformed opinions Social anxiety Perceived religiousness or cult-like Agnostic, atheist Prior failure Lack peer group Non acceptance of maintenance drugs

NEGATIVE ATTITUDES OF PSYCHIATRY TOWARDS AA SUBSTITUTE DEPENDENCY • AA IS "ADJUNCTIVE" A FOLK MOVEMENT RELIGIOUS BIBLE THUMPING • A CULT FOSTERS DEPENDENCY IN MEMBERS NO FOLLOW-UP NO CONTROLLED RESEARCH EFFICACY NOT PROVED DISORGANIZED HOSTILE TO PSYCHIATRY LACKS ACCOUNTABILITY UNCOOPERATIVE "THEY SMOKE AND DRINK COFFEE" NON-INTELLECTUAL • FREE



NEGATIVE ATTITUDES IN AA ABOUT PSYCHIATRISTS/PSYCHOTHERAPY INSENSITIVE DANGEROUS (ANTI-AA) ARROGANT DRUG-ORIENTED IGNORANT ABOUT ADDICTION ABUSIVE NON-SPIRITUAL MINIMIZE IMPACT OF ALCOHOL MONEY-GRUBBING COMPETITIVE CONTEMPTUOUS THREATENING



WHY THE 12-STEP PROGRAMS?

- They really work!
- The spiritual approach of AA and NA has helped millions of alcoholics and other drug addicts.
- Most effective way of staying sober.
- Essential source for clinicians.
- Know how to refer and support.
- 12-Steps adapted to deal with over 200 human problem behaviors .



WHAT IS RECOVERY?

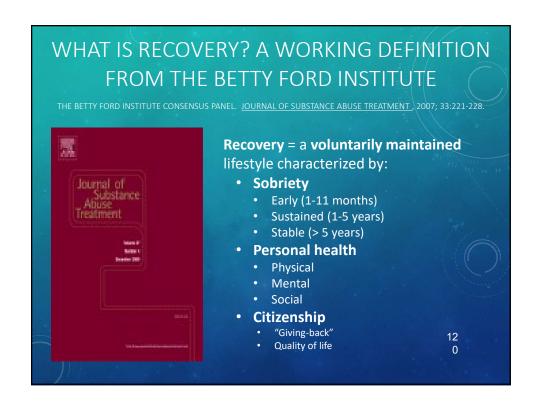
Recovery is a process of change whereby individuals work to improve their own health
and wellness and to live a meaningful life in a community of their choice while striving
to achieve their full potential.

SAMHSA

- Essentially, recovery from addiction complex and dynamic process encompassing all
 the positive benefits to physical, mental and social (and spiritual) health that can
 happen when people with an addiction to alcohol or drugs, or their family members,
 get the help they need.

 NCADD
- Recovery in AA is defined not only as physical abstinence but also includes personality change and spiritual growth that are a result of working the 12 steps.

Big Book, 2001, Chapter 5



CONCLUSION

- The use of 12-step recovery should be looked at in the same way that one approaches the use of pharmacotherapy, in that it has to be used properly and for long enough that it has an opportunity to work and effect change.
- This is supported by research.

CONCLUSION (CONT.)

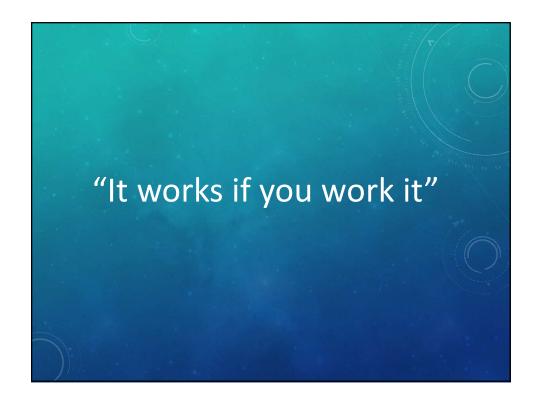
- Working a 12-Step program of recovery is not easy
- Requires help from others, especially a sponsor and a home group
- Cost of time and energy

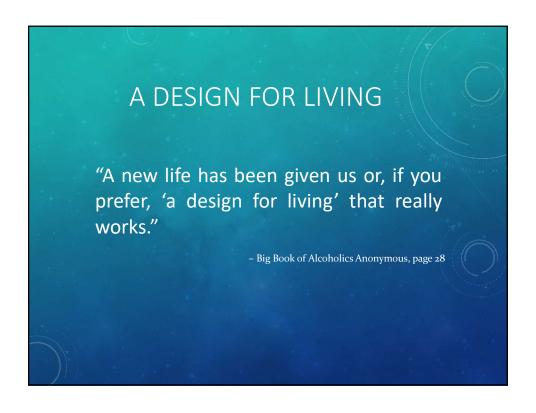
When we refer to a 12-Step program <u>two</u> benefits can be expected:

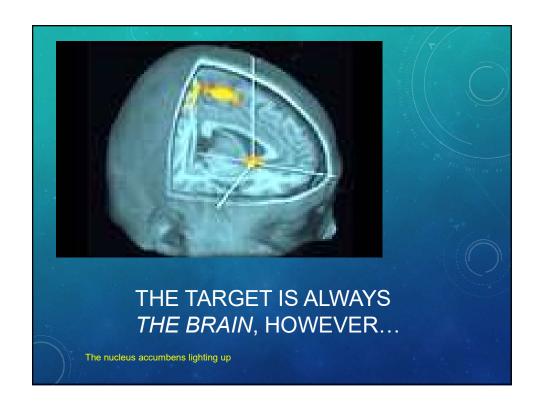
1. <u>Sobriety</u>, which sets the stage for improved health, relationships, finances, and learning.

CONCLUSION (CONT.)

- 2. Mature Growth and Development
- · Tasks of adult growth and development
- Intimacy, the ability to be genuine and open with others
- Generativity, the ability to pass on what one has learned to others
- Integrity, a sense of wholeness and acceptance of one's self
- Goes beyond the usual goals of medical treatment, but one which any physician can support.







While science has taught us that addiction is a hijacking of the brain, recovery must involve healing of the heart and the soul.

THE GREAT CHALLENGE FOR ADDICTION TREATMENT IN 21 ST CENTURY To Integrate: Addiction Medicine, Psychiatry, and Spirituality in the Treatment of Substance Use Disorders.

