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## How do recovery definitions distinguish recovering individuals?:

### Five Typologies

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### Abstract

**Background**—Six percent of American adults say they are “in recovery” from an alcohol or drug problem yet only a scant emergent literature has begun to ask how they define “recovery” or explored whether there is heterogeneity among their definitions.

**Methods**—Secondary analysis of the What Is Recovery? online survey employed Latent Class Analysis (LCA) to identify typologies of study participants based on their actual endorsement of 39 recovery elements and to compare the composition of these typologies in terms of distinguishing personal characteristics.

**Results**—A 5-class solution provided the best fit and conceptual representation for the recovery definitions. Classes were labeled *12-Step Traditionalist* (n=4912); *12-Step Enthusiast* (n=2014); *Secular* (n=980); *Self-Reliant* (n=1040); and *Atypical* (n=382) based on patterns of endorsement of the recovery elements. Abstinence, spiritual, and social interaction elements differentiated the classes most (as did age and recovery duration but to a lesser extent). Although levels and patterns of endorsement to the elements varied by class, a rank-ordering of the top 10 elements indicated that four elements were endorsed by all five classes: being honest with myself, handling negative feelings without using, being able to enjoy life, and process of growth and development.

**Conclusions**—The results of the LCA demonstrate the diversity of meanings, and varying degrees of identification with, specific elements of recovery. As others have found, multiple constituents are invested in how recovery is defined and this has ramifications for professional, personal, and cultural processes related to how strategies to promote recovery are implemented.

### Keywords

recovery; recovered; remission; help-seeking; addiction; treatment

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## 1. Introduction

The concept of “recovery” is widely used within popular discourse, and is commonly assumed to refer to a transition from problematic alcohol or drug use to an ongoing commitment to maintaining abstinence/sobriety. Promoting recovery from substance use problems is now part of the approach to United States drug policy that includes “making recovery a formal area of focus” (Office of National Drug Control Policy, 2014). Emergent recovery-oriented systems of care (ROSC) recognize the chronic nature of addiction and encompass community-based strategies to develop support for long-term recovery (White, 2009; White et al., 2002).

Although abstinence from alcohol and drugs is assumed to be a core criterion of recovery historically, clinical diagnostic criteria have distinguished between “abstinent-recovery” and “non-abstinent recovery” with regard to alcohol use (Dawson et al., 2006). In their review of various empirical definitions of recovery in drug research, Tims further observed that the “criteria and complexity [of recovery] may be related to the drug in question, the treatments available, and the sources of social support” (Tims et al., 2001). Qualitative research with substance users has emphasized the diverse ways in which individuals construe the meanings of recovery in their personal narratives, including how their self-identity is shaped through their social interactions and therapeutic relationships (Addenbrooke, 2011; Best et al., 2011; Hänninen and Koski-Jännes, 1999; Hser, 2007; Lysaker and Buck, 2006; McIntosh and McKeganey, 2000; Vigilant, 2008). Nascent studies have broadened the concept of recovery to include indicators of functioning other than substance use (Laudet, 2007). A recent Consensus Statement developed by treatment providers, researchers, policy makers, and recovery advocates further illustrates this multi-dimensional approach, defining recovery as “a voluntarily maintained lifestyle characterized by sobriety, personal health, and citizenship” (The Betty Ford Institute Consensus Panel, 2007, p.222).

To inform flexible ROSC strategies that accommodate a range of recovery definitions, participants from a nationwide study entitled “What is Recovery?” (WIR) identified elements of recovery (detailed below) that were highly endorsed regardless of recovery pathway (e.g., treatment, self-help, abstinence or moderate use), while also capturing elements unique to specific pathways (Kaskutas et al., 2014). Taking advantage of the large WIR sample (nearly 10,000), the goal of this secondary analysis is to employ a multi-dimensional finite mixture modeling approach, latent class analysis (LCA) to: (1) identify typologies of participants based on their actual endorsement of the recovery elements, and (2) study the composition of these typologies in terms of personal characteristics that distinguish them.

Given the diverse, self-defined recovery pathways of the WIR participants, hypotheses consider the distinct elements that characterize 12-step approaches (such as abstinence and spirituality). We hypothesize that elements relating to abstinence and spirituality will distinguish the emergent typologies more than other recovery elements. Moreover, we hypothesize that typologies will differ in how much their definitions of recovery incorporate social interactions with others. Study findings can elucidate the ways in which personal definitions of recovery cluster in relation to other dimensions, including socio-

demographics, treatment, 12-step participation, type and duration of substance use, current alcohol and drug use, and self-perceived quality of life.

## 2. Methods

### 2.1 Background and recruitment

The “What is Recovery?” project culminated in an Internet-based survey completed by 9,341 individuals who identified themselves variously as being in recovery, recovered, in medication-assisted recovery, or having had a problem with alcohol and drugs (but no longer do). In Phase 1, 167 potential elements of recovery were developed through an extensive, iterative mixed-methods (qualitative and quantitative) process that first involved interviews with dozens of people in recovery from different pathways as well as a review of websites, articles and books about recovery. These elements were administered to 238 respondents via an Internet survey, followed by over 50 in-depth interviews to clarify their definitions. Redundant elements and those deemed by respondents to be irrelevant to recovery were eliminated, resulting in 47 retained elements for the Phase 2 survey.

Phase 2 participants were recruited via a wide-ranging, purposeful recruitment strategy designed to yield a sample reflecting the heterogeneity of recovery pathways. Outreach involved treatment and recovery organizations, self-help groups, and electronic media (Subbaraman et al., in press). Recruitment materials directed potential participants to the study website (<http://www.WhatIsRecovery.org>), which included an explanation of the study and the link to the anonymous, confidential online survey. The 20-minute online survey was available July to October 2012.

The demographic profile of the Phase 2 respondents is almost identical to another internet-based recovery sample (Laudet, 2013), and the treated respondents are similar to other treatment samples (Subbaraman et al., in press). Factor analyses of the recovery elements were conducted using split-half samples to statistically reduce and group elements into smaller components, followed by sensitivity analyses for key recovery pathway groupings to assure that the elements represented the heterogeneous voices of recovery (Kaskutas et al., 2014). Factor analysis reduced the pool to 35 recovery elements spanning four factors; four uncommon elements that did not load on any factor were retained because their content was important to some subgroups in recovery. Participants provided informed consent using procedures approved by the Institutional Review Board of the Public Health Institute.

### 2.2 Measures

**2.2.1 Recovery elements**—The root question for the 39 recovery elements read: The next groups of questions cover many different topics that people might include in their definition of recovery. We want to know which ones you think belong in a definition of recovery as you have experienced it. There is no right or wrong answer to any of the question; we are interested only in your opinions and experiences. For each item, we want you to tell us whether the item: (1) definitely belongs in your definition of recovery, (2) somewhat belongs in your definition of recovery, (3) does not belong in your definition of

recovery, but may belong in other people's definition of recovery, or (4) does not really belong in a definition of recovery.

**2.2.2 Personal characteristics**—Questions used here include demographics, pre-recovery severity, recovery pathway, and quality of life (QoL). Past substance use disorder severity was assessed based on the lifetime version of the International Neuropsychiatric Interview, a short structured diagnostic interview for DSM-IV and ICD-10 psychiatric disorders (Sheehan et al., 1998). Recovery pathway measured exposure to 12-step groups, non-12-step groups, and specialty treatment. These were recoded as none (natural recovery) or into six mutually exclusive groupings based on combinations of help-seeking. Lifetime 12-step group exposure was dichotomized ( $\leq 90$  versus  $> 90$  meetings). Current substance use status was coded as four discrete categories (alcohol and drug abstinence, alcohol-only abstinence, drug-only abstinence, or alcohol and drug use). A WHO quality of life measure (The WHOQOL Group, 1998) used in other recovery research (Laudet, 2011; Laudet et al., 2009) read, "How would you rate your quality of life?" (poor, neither poor nor good, good, and very good).

**2.3 Statistical analysis**—Mplus, Version 7.2 (Muthén and Muthén, 2013) was used to statistically identify clusters of persons (latent classes) based on their observed responses to the 39 recovery elements. An optimal model was determined using standardized fit indices, class specific item probability parameters, and theoretical consideration (Muthén and Muthén, 2000). Mplus uses a full-information maximum likelihood estimation under the assumption that data are missing at random (Little and Rubin, 2002; Muthén and Shedden, 1999). Bivariate tests were conducted to compare the resultant classes on background characteristics described above.

### 3. Results

#### 3.1 Sample

The resultant sample was over half female, almost three-fourths were over age 35, and half had a bachelor's degree (Table 1, last column). The primary problem substance was alcohol. Only 2% did not meet criteria for alcohol or drug dependence. Three-quarters identified themselves as "in recovery" and the majority had been in their self-defined status for over 5 years. Most reported current abstinence from both alcohol and drugs and endorsed the belief that recovery is abstinence. Most had sought some form of help for their substance use problems - 4% were in natural recovery. Only 2% reported a poor QoL.

#### 3.2 Latent class models

A 5-class solution provided the best fit and conceptual representation for these data. Log-likelihood and BIC fit-indicators (Nylund et al., 2004) improved with the addition of class solutions up to a 6-class solution. The Vuong-Lo-Mendell-Rubin likelihood test (Lo et al., 2001) for a 4- versus 5- class solution was significant ( $p < .05$ ), indicating the 5-class solution provided better fit for the data. The 5-class entropy value (0.91) was good (Muthén and Muthén, 2008). We labeled the five classes: 12-Step Traditionalist ( $n=4912$ ); 12-Step Enthusiast ( $n=2014$ ); Secular ( $n=980$ ); Self-Reliant ( $n=1040$ ); and Atypical ( $n=382$ ).

Average latent class (posterior) probabilities for the most likely latent class membership were 0.96, 0.90, 0.91, 0.94 and 0.96.

To discuss LCA differences among the five-classes, responses to the recovery elements are grouped into sections corresponding to the four conceptual domains obtained from the prior factor analysis (abstinence, spirituality, essentials of recovery, enriched recovery) plus the fifth group of “uncommon” elements. Personal characteristics are described in conjunction with response patterns to the elements. In describing the classes henceforth, we use the words personal endorsement in reference to elements rated “definitely” or “somewhat” belongs, and the word tolerance in reference to elements rated “may belong.”

### 3.3 Class profiles

**3.3.1 12-Step Traditionalist class**—12-Step Traditionalists were strongly abstinence-oriented, with most indicating that *no alcohol use*, *no use of non-prescribed drugs*, and *no abuse of prescribed drugs* definitely belong in their definition of recovery (Table 2.1). They were strongly supportive of spirituality elements (Table 2.2): more than 90% chose definitely belongs for six of seven elements. They strongly endorsed all 15 essential elements of recovery (Table 2.3) and gave equally strong support for the enriched elements (Table 2.4): *process of growth and development*, and *living a life that contributes* were unanimously endorsed as “definitely belongs.”

12-Step Traditionalists reported high lifetime treatment and 12-step group attendance, and a similarly high proportion self-identified as in recovery (Table 1). Nearly all reported current alcohol and drug abstinence. Just over half characterized their QoL as very good.

**3.3.2. 12-Step Enthusiast class**—Much like 12-Step Traditionalists, 12-Step Enthusiasts strongly endorsed the abstinence-oriented elements, although only about two-thirds thought that *no use of non-prescribed drugs* definitely belongs in their definition (Table 2.1). As a class, they too personally endorsed spirituality elements (Table 2.2), however, about one in five were more moderate in their endorsement (selecting somewhat belongs rather than definitely belongs) for six of seven elements (the exception, *being grateful*, was strongly endorsed by nearly all).

Most 12-Step Enthusiasts personally endorsed all essentials elements (Table 2.3): most gave strong endorsement for three elements (*being honest with myself*, handling negative feelings without using alcohol or drugs like I used to, and *being able to enjoy life*) and about as many personally endorsed ten other elements in this domain. They were strongly supportive of four enriched elements (process of growth and development, reacting in a more balanced way, taking responsibility, and *living a life that contributes*), with 90% or more indicating these definitely belong in their definition (Table 2.4); almost all chose either somewhat or definitely belongs for the other enriched elements.

Like the Traditionalist class, 12-step Enthusiasts reported high rates of lifetime treatment or 12-step attendance, as well as high rates of abstinence from both alcohol and drugs (Table 1). Three quarters identified with being in recovery. Over half rated their QoL as very good.

**3.3.3. Secular class**—Relative to the 12-Step- Traditionalists and Enthusiasts, Secular members reported lower personal endorsement for alcohol or drug abstinence (Table 2.1); just over half indicated these elements definitely belong in their definition of recovery, and a minority reported that abstinence from non-prescribed drugs did not belong in the definition; however, one-fifth reported tolerance for abstinence (approximately 20% chose may belong in others' definition). Their personal endorsement of spirituality elements was also relatively low, as indicated by considerable proportions (one-third to one-half) using the may belong in others' response category for the three explicitly spiritual elements and over 15% rejecting (selecting does not belong) these elements (Table 2.2). This class is further distinguished by its relatively high personal endorsement for one unusual element (Table 2.5) - recovery is physical and mental in nature and has nothing to do with spirituality or religion - 44% thought it definitely belongs and 33% thought it somewhat belongs.

Secular members gave strong endorsement to most essential elements (nine of 15 elements were rated definitely belongs by >80%). Three essential elements were given less personal endorsement and greater may-belong responses (getting along with family and friends, being able to have relationships, and *having non-using friends around me*). Over 90% strongly endorsed half the elements in enriched recovery (the same four that the 12-step Enthusiasts endorsed), plus *developing inner strength* (Table 2.4).

Secular members were distinguished from other classes mostly by their younger age and fewer years in recovery (Table 1). Compared with 12-Step- Traditionalists and Enthusiasts, a higher proportion self-defined as used to have a problem and a lower proportion were currently abstinent from alcohol and drugs - just over a quarter were drug abstinent but drank alcohol. Although nearly two-thirds had ever attended treatment, a smaller proportion reported high lifetime 12-step attendance (90+ meetings) than either of the two 12-Step classes (33% vs. 85% & 88%). As well, a smaller proportion reported their QoL as very good.

**3.3.4. Self-Reliant class**—The majority of Self-Reliant members were personally supportive of abstinence from alcohol and non-prescribed drugs (Table 2.1). The majority endorsed spirituality elements in their definition, but about one in four chose may belong in others' for the explicitly spiritual elements (*feeling connected to a spiritual force*); the response choice 'somewhat belongs' dominated for four of seven spiritual elements.

Self-Reliant members reported relatively low endorsement for the essentials elements, with less than half strongly endorsing 12 of 15 elements (Table 2.3). However, relatively few reported that these elements did not belong in any definition of recovery. They were somewhat supportive of enriched recovery, as indicated by nearly half or more choosing somewhat belongs for 70% of these elements (Table 2.4). We labeled this class Self-Reliant based on their low endorsement for more relational elements (learning how to get support, helping others, giving back, being able to have relationships, and *having non-using friends*).

About two-thirds of the Self-Reliant members reported lifetime treatment and high 12-step group attendance (90+ meetings). As with other classes, the proportion with treatment exposure histories mirrored the proportion identifying as being 'in recovery.'

**3.3.5. Atypical class**—Support for abstinence in this class was mixed, with just over half (51% definitely) endorsing alcohol abstinence and fewer (41% definitely) endorsing abstinence from non-prescribed drugs, and considerable proportions reporting that these elements did not belong in any definition of recovery (Table 2.1). Atypical class members were mixed also in their support for spirituality elements as belonging in their definition, with fewer than half indicating the elements definitely or somewhat belong (Table 2.2); however, relatively large proportions expressed tolerance for them (about 30-44% chose may belong). They reported high intolerance for *recovery being religious in nature* (Table 2.4).

Atypical members did not report strong personal support for the essentials elements; only one item (*being able to enjoy life*) received strong support by more than half the members (Table 2.3). Instead, they chose other response categories—somewhat belongs (chosen by about one in four for most of these elements), may belong in other's definition (chosen by up to one-third for six elements), and does not belong in any definition (selected by about 25% for seven elements, with, for example, 35% reporting 'does not belong' for *getting along with family and friends* or being able to have relationships where I am not using people or being used. Atypical class members were also split in their endorsement of enriched recovery, especially for the elements *improved self-esteem* and *being someone people can count on*; for example, over one-fourth thought that the latter does not belong in any definition, while almost half reported that it *did* belong in their personal definition. The single most personally endorsed element was *process of growth and development*.

Atypical members reported treatment and self-help attendance at rates similar to Secular members (slightly lower than other classes): these two classes reported the highest relative rates for natural recovery (>10%). Over a quarter self-identified as used to have a problem and about one-third was not currently alcohol and drug abstinent—one-fourth was abstaining from drugs but drinking alcohol.

## 4. Discussion

The goal in this secondary analysis of the WIR data was to use mixture modeling to statistically test how participants clustered based on their responses to 39 recovery elements in order to obtain a better understanding of the diverse ways in which individuals define recovery. The underlying theory for finite mixture models assumes that the population of interest is not homogeneous but rather consists of heterogeneous subpopulations with varying parameters (McLachlan and Peel, 2000). We hypothesized that elements relating to abstinence and spirituality as well as social relationships would distinguish the resulting recovery profiles more so than other elements. That hypothesis, which was partially supported, is taken up below.

### 4.1 Summarizing the profiles

A single class, the 12-Step Traditionalists, representing over half the sample reported the strongest personal endorsement for all recovery elements. This class, with strong endorsement for both the abstinence and the spiritual elements, reflects the beliefs seen in the 12-steps of Alcoholics Anonymous (Bloomfield, 1994; Room, 1993; White, 2006).



Two classes comprising about a third of the sample shared common patterns (but not level) of endorsement with 12-Step Traditionalists. Like the former, those in the 12-Step Enthusiast and Secular classes gave personal endorsement to most elements, but endorsement included fewer definitely belongs and more somewhat belongs. Unlike the Traditionalists, support for helping others, giving back, and being in relationships was not as strong for these two classes.

Although 12-Step Enthusiasts and Secularists were similar in some ways, the Enthusiasts were more classically “12-step oriented” (especially as indicated in the abstinence and spiritual factors), whereas members of the Secular class were more secular (especially as reflected in their strong endorsement for one unusual element, recovery is physical and mental in nature and has nothing to do with spirituality or religion), and less committed to abstinence as a component in their definition. This is consistent with the lower rates of treatment, 12-step attendance, and total abstinence among Secularist members (here 12-Step Traditionalists and 12-Step Enthusiasts are more alike). About 90% of the Secularists thought taking care of mental and physical health strongly belongs in their definition. This group may reflect broader societal trends in the meanings of recovery that have generalized beyond participation in self-help groups; such influences may derive from a more general emphasis on personal growth, health, and wellness that permeate contemporary culture and that have been adopted outside of a 12-step framework (Katz, 1993).

Self-Reliant members were unique in that personal endorsements were weighted more toward somewhat belongs, coupled with high tolerance for most elements. This suggests they may be viewed as more independent and less relational; this is consistent with their unenthusiastic endorsement for items tapping these traits.

Atypical members clearly stood apart from the other classes, first in being the least populated class, and secondly for having the lowest personal endorsements for most elements (and the highest tendency to report elements do not belong in a definition). This class appears to be less identified with traditional aspects of 12-step recovery. Although this class reported the highest natural recovery, the vast majority had sought out some type of help. Nearly one-third self-identified with used to have a problem and about as many were not currently abstinent – one-fourth were abstaining from drugs but drinking alcohol. Intolerance for spiritual elements, especially being open minded about spirituality, appreciating I am part of the universe and *being connected to a spiritual force*, was higher than any other classes. Like Self-Reliant members, they were less likely to personally endorse relational-type elements, for example *getting along with family and friends* and *being someone people can count on*. Atypical class members reported the most variance for the relational aspects of recovery, as indicated by similar (and relatively high) proportions showing tolerance for these elements. Aside from abstinence elements, only two other recovery elements were strongly endorsed by a majority in this class: *process of growth and development* and *being able to enjoy life*.

To summarize the classes, at the extremes are groups with 12-Step Traditionalist and Atypical definitions of recovery, other groups that are 12-Step Enthusiasts or more secular in terms of how they define recovery, and another group that is more self-reliant in how it

views recovery. Self-identifying as “in recovery” does not imply homogeneity in terms of endorsement for an expansive or Traditionalist 12-step definition. Some such participants, for instance, are not as predisposed to see relational, self-reflective, or helping elements as belonging in their recovery definition. However, there is high tolerance for a more expansive definition, even in the group with the narrowest personal definition of recovery. Variables that often distinguish study samples in the addictions field, dependence severity and substance of choice, do not seem to distinguish these five clusters in terms of their recovery definitions.

The results of the latent class analysis clearly demonstrate the diversity of meanings, and varying degree of identification, with specific elements of recovery. While the degree of personal endorsement varied across the classes, four items (among the top ten ranking items in each class) were mentioned by all five classes: being honest with myself, handling negative feelings without using, being able to enjoy life, and process of growth and development. These particular items could be easily incorporated into clinical sessions focused on positive behavior change, used for goal setting, and operationalized as individualized objectives.

Adherence to abstinence and participation in social interactions through self-help were less central to beliefs about recovery among a minority of participants who were generally younger and had shorter recovery durations. This finding suggests that there may be an increasingly broader view of what constitutes recovery and that widespread cultural acceptance of the notion of “recovery” (as associated with personal growth) may be independent from a commitment to 12-step participation for some individuals. Other cultural/historical changes occurring in the United States, such as the increased availability, use, and abuse of prescription medications (McCabe et al., 2008) and growing acceptance of the legalization of marijuana, may influence beliefs about what constitutes recovery. The cross-sectional nature of the current study does not allow us to tease out the effects of historical changes in cultural influences on the meaning of recovery from those influences that derive from individual developmental processes associated with different pathways or longer duration of recovery, yet this would be an area of fruitful exploration. As suggested by (White, 2007) “multiple constituents” are invested in how recovery is defined and this has broad ramifications for professional, personal, and cultural processes related to how strategies to promote recovery are implemented.

As empirically shown, exposure to treatment and 12-step groups does not necessarily mean strict conformity to 12-step philosophy, nor does the use of the term “in recovery.” This has implications for ROSC, as it suggests that caution is needed when invoking pre-conceptions about what recovery means to clients who may define themselves as being “in recovery” or have been to treatment or Alcoholics Anonymous or Narcotics Anonymous. We see high proportions (90% or more) of 12-step and treatment-exposed people in the Self-Reliant and Secular classes, and half the people in the Atypical class say they are “in recovery” even though only 13% are in natural recovery. The study findings can be used to inform the development of recovery-oriented systems of care by allowing for a better understanding of the diverse range of approaches to recovery and greater tolerance for varying beliefs about what constitutes recovery. Clinicians could administer the recovery elements to clients and

use their responses to determine how to best tailor their services. For example, a response pattern similar to the Self-Reliant class may suggest resistance to suggestions pertaining to social networks and social support; or answers consistent with the Secular class may point to a need for encouraging non-12-step support groups.

## 4.2 Conclusions

Our empirical findings highlight specific areas that chronic care models such as ROSC (Clark, 2012) could address to promote individualized recovery. Importantly, individuals seeking help come with unique notions of recovery that should be recognized. Findings cannot be generalized to all recovering people as we do not know the denominator of this population (Kaskutas et al., 2014); class sizes may be a reflection of who responded to the survey and not representative of the universe of individuals who view themselves as having overcome substance use problems. Moreover, the study sample may have lacked sufficient variability in some socio-demographic characteristics to fully discern differences in these characteristics across the classes.

## Supplementary Material

Refer to Web version on PubMed Central for supplementary material.

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**Table 1**

Background characteristics by latent class membership.

(n)	12-step Traditionalist (4,912)	12-step Enthusiast (2,014)	Secular (980)	Self-reliant (1,040)	Atypical (382)	Total (9,328) <sup>a</sup>
	%	%	%	%	%	%
Female	58	51	55	48	44	54
Age >35	83	83	69	83	80	82
Any Education beyond High School	87	88	91	92	90	89
M.IN.I. dependence disorder	98	98	97	96	93	98
Primary substance of choice						
Alcohol only	57	61	60	63	63	59
Drug only	39	34	35	31	30	36
None	5	4	4	6	8	5
Personal self-defined recovery status						
In recovery	82	77	60	65	49	75
Recovered	12	13	15	17	18	13
Used to have a problem	5	7	20	15	29	9
Medication assisted	2	3	5	3	5	3
Lifetime treatment and/or self-help						
None/natural recovered	2	3	10	6	13	4
12-step only	15	15	11	17	17	15
Treatment only	1	<1	3	2	2	1
Treatment & 12 step	48	47	24	37	26	43
Non-12 step only	1	1	4	2	2	1
Non-12 step & treatment	<1	1	2	1	1	1
12-step & non-12 step	8	8	12	10	11	9
12-step & non-12 step & treatment	27	25	34	25	28	27
>90 lifetime 12-step meetings attended	85	80	38	65	46	75
Duration of recovery status						
< 1 year	13	13	27	15	18	15
1-5 years	28	29	36	29	29	29
>5 years	59	58	37	59	53	56
Current use						
Alcohol & drug abstinent	91	85	61	77	68	84
Alcohol-only abstinent	2	3	4	4	2	3
Drug-only abstinent	6	10	27	15	24	11
Alcohol & drug use	1	2	7	4	6	2
Quality of Life rating (QoL)						
Poor	2	2	5	2	3	2
Neither	7	9	16	11	13	9
Good	34	36	42	38	36	36

<i>(n)</i>	<b>12-step Traditionalist (4,912)</b>	<b>12-step Enthusiast (2,014)</b>	<b>Secular (980)</b>	<b>Self-reliant (1,040)</b>	<b>Atypical (382)</b>	<b>Total (9,328)<sup>a</sup></b>
	%	%	%	%	%	%
Very good	58	53	38	49	48	53

<sup>a</sup> 13 cases were dropped in the LCA due to missing data on all elements.

**Table 2.1**Abstinence<sup>a</sup>: element endorsement by class membership.

Elements	Rating <sup>b</sup>	12-step	12-step	Secular	Self-	Atypical
		Traditionalist	Enthusiast		Reliant	
		%	%	%	%	%
No alcohol use	<i>Definitely</i>	87	80	61	67	51
	<i>Somewhat</i>	4	7	14	14	10
	<i>May</i>	4	7	20	14	27
	<i>Does not</i>	5	6	6	5	13
No abuse of prescribed drugs	<i>Definitely</i>	84	77	72	66	55
	<i>Somewhat</i>	4	7	10	14	9
	<i>May</i>	5	8	10	14	22
	<i>Does not</i>	7	8	8	7	15
No use of non-prescribed drugs	<i>Definitely</i>	72	65	52	57	41
	<i>Somewhat</i>	8	11	14	16	14
	<i>May</i>	9	12	21	18	23
	<i>Does not</i>	11	12	13	9	22

<sup>a</sup>This CFA component label was established in a prior analysis.

<sup>b</sup>Definitely belongs in your definition of recovery, somewhat belongs in your definition of recovery, does not belong in your definition of recovery, but may belong in other people's definition of recovery, or does not really belong in a definition of recovery.



**Table 2.2**Spirituality<sup>a</sup>: element endorsement by class membership.

Elements	Rating <sup>a</sup>	12-step	12-step	Secular	Self-	Atypical
		Traditionalist	Enthusiast		Reliant	
		%	%	%	%	%
Being grateful	<i>Definitely</i>	100	93	71	51	23
	<i>Somewhat</i>	<1	6	23	41	23
	<i>May</i>	0	<1	5	7	28
	<i>Does not</i>	0	<1	1	<1	26
Appreciating I am part of universe	<i>Definitely</i>	97	75	37	30	12
	<i>Somewhat</i>	2	23	35	44	14
	<i>May</i>	<1	2	19	23	30
Helping others not drink or use drugs	<i>Definitely</i>	96	71	37	35	21
	<i>Somewhat</i>	4	26	41	44	22
	<i>May</i>	<1	3	18	19	34
	<i>Does not</i>	<1	<1	4	2	23
About giving back	<i>Definitely</i>	99	80	47	30	15
	<i>Somewhat</i>	1	19	38	54	19
	<i>May</i>	<1	1	12	15	40
	<i>Does not</i>	0	<1	3	1	26
Feeling connected to a spiritual force	<i>Definitely</i>	91	74	3	33	17
	<i>Somewhat</i>	7	24	22	33	14
	<i>May</i>	2	2	52	27	29
	<i>Does not</i>	<1	<1	23	7	40
Open-minded about spirituality	<i>Definitely</i>	93	69	9	24	9
	<i>Somewhat</i>	5	26	37	44	16
	<i>May</i>	1	4	38	27	34
	<i>Does not</i>	<1	1	16	4	41
Spiritual in nature & not religious	<i>Definitely</i>	79	68	13	39	23
	<i>Somewhat</i>	12	22	33	33	18
	<i>May</i>	7	8	36	24	31
	<i>Does not</i>	2	2	18	4	28

<sup>b</sup>Definitely belongs in your definition of recovery, somewhat belongs in your definition of recovery, does not belong in your definition of recovery, but may belong in other people's definition of recovery, or does not really belong in a definition of recovery.

<sup>a</sup>This CFA component label was established in a prior analysis.

**Table 2.3**Essentials of recovery<sup>a</sup>: element endorsement by class membership.

Elements	Rating <sup>a</sup>	12-step	12-step	Secular	Self-	Atypical
		Traditionalist	Enthusiast		Reliant	
		%	%	%	%	%
Being honest with myself	<i>Definitely</i>	100	96	96	72	45
	<i>Somewhat</i>	<1	4	4	27	25
	<i>May</i>	0	<1	<1	1	16
	<i>Does not</i>	0	<1	<1	<1	14
Changing the way I think	<i>Definitely</i>	99	85	88	43	27
	<i>Somewhat</i>	<1	13	11	50	29
	<i>May</i>	<1	1	1	7	27
	<i>Does not</i>	<1	<1	0	<1	17
Realistic appraisal of my abilities	<i>Definitely</i>	98	73.	82	30	21
	<i>Somewhat</i>	1	24	15	60	29
	<i>May</i>	<1	2	3	8	27
	<i>Does not</i>	<1	<1	<1	2	23
Handling negative feelings w/o using	<i>Definitely</i>	100	92	93	60	43
	<i>Somewhat</i>	<1	7	6	33	23
	<i>May</i>	<1	<1	1	6	21
	<i>Does not</i>	<1	<1	0	1	12
Dealing with mistakes	<i>Definitely</i>	97	81	74	41	28
	<i>Somewhat</i>	1	16	18	48	25
	<i>May</i>	<1	2	6	10	31
	<i>Does not</i>	1	1	2	2	15
Being able to deal with situations	<i>Definitely</i>	99	74	72	23	14
	<i>Somewhat</i>	1	24	22	63	26
	<i>May</i>	0	2	5	13	34
	<i>Does not</i>	0	<1	1	1	26
Striving to be consistent	<i>Definitely</i>	99	74	80	31	19
	<i>Somewhat</i>	1	23	17	54	25
	<i>May</i>	<1	2	2	13	29
	<i>Does not</i>	<1	1	1	2	27
Being able to enjoy life	<i>Definitely</i>	99	92	91	68	52
	<i>Somewhat</i>	<1	7	7	27	26
	<i>May</i>	<1	<1	2	5	13
	<i>Does not</i>	<1	<1	<1	<1	9
Freedom from feeling sick	<i>Definitely</i>	98	78	86	46	39
	<i>Somewhat</i>	1	15	8	32	18
	<i>May</i>	1	5	5	18	24
	<i>Does not</i>	<1	2	1	3	18
Not replacing dependencies	<i>Definitely</i>	98	80	88	48	35

Elements	Rating <sup>a</sup>	12-step	12-step	Secular	Self-	Atypical
		Traditionalist	Enthusiast		Reliant	
		%	%	%	%	%
Taking care of my mental health	<i>Somewhat</i>	2	17	10	41	24
	<i>May</i>	<1	2	2	10	23
	<i>Does not</i>	<1	1	<1	1	18
	<i>Definitely</i>	99	80	90	38	27
	<i>Somewhat</i>	1	17	8	53	32
	<i>May</i>	<1	2	1	9	25
	<i>Does not</i>	<1	1	<1	<1	16
Trying to live in “clean” space	<i>Definitely</i>	90	57	66	27	14
	<i>Somewhat</i>	6	26	18	37	19
	<i>May</i>	3	13	13	28	32
	<i>Does not</i>	1	3	3	8	35
Getting along with family & friends	<i>Definitely</i>	95	57	61	22	9
	<i>Somewhat</i>	5	37	30	59	24
	<i>May</i>	<1	4	7	17	31
	<i>Does not</i>	<1	2	2	2	35
Being able to have relationships	<i>Definitely</i>	98	71	64	22	10
	<i>Somewhat</i>	1	25	22	55	18
	<i>May</i>	<1	4	11	21	38
	<i>Does not</i>	0	1	3	3	35
Having non-using friends around me	<i>Definitely</i>	96	71	56	31	18
	<i>Somewhat</i>	4	24	30	49	22
	<i>May</i>	<1	4	11	18	32
	<i>Does not</i>	<1	1	2	2	28

<sup>b</sup>Definitely belongs in your definition of recovery, somewhat belongs in your definition of recovery, does not belong in your definition of recovery, but may belong in other people’s definition of recovery, or does not really belong in a definition of recovery.

<sup>a</sup>This CFA component label was established in a prior analysis.

**Table 2.4**Enriched recovery<sup>a</sup>: element endorsement by class membership.

Elements	Rating <sup>a</sup>	12-step	12-step	Secular	Self-	
		Traditionalist	Enthusiast		Reliant	Atypical
		%	%	%	%	%
Process of growth & development	<i>Definitely</i>	100	97	96	78	51
	<i>Somewhat</i>	0	3	3	2	28
	<i>May</i>	0	<1	1	1	13
	<i>Does not</i>	0	<1	<1	<1	8
Developing inner strength	<i>Definitely</i>	98	82	92	47	32
	<i>Somewhat</i>	1	15	8	45	31
	<i>May</i>	<1	2	<1	7	20
Having tools for inner peace	<i>Definitely</i>	<1	1	<1	1	17
	<i>Somewhat</i>	99	89	86	44	28
	<i>May</i>	<1	10	11	47	34
Improved self-esteem	<i>Definitely</i>	<1	1	2	6	25
	<i>Somewhat</i>	<1	<1	1	<1	13
	<i>May</i>	99	79	87	35	23
Reacting in more balanced way	<i>Definitely</i>	1	19	11	54	29
	<i>Somewhat</i>	<1	2	1	10	28
	<i>May</i>	0	<1	1	1	20
Taking responsibility	<i>Definitely</i>	99	93	97	63	43
	<i>Somewhat</i>	<1	7	2	34	30
	<i>May</i>	0	<1	<1	2	15
Living a life that contributes	<i>Definitely</i>	<1	<1	<1	<1	12
	<i>Somewhat</i>	99	94	95	71	51
	<i>May</i>	<1	5	4	27	23
Being someone people count on	<i>Definitely</i>	<1	1	<1	2	16
	<i>Somewhat</i>	100	90	91	50	31
	<i>May</i>	<1	9	8	45	28
Taking care of my physical health	<i>Definitely</i>	0	0	<1	<1	1
	<i>Somewhat</i>	98	73	79	32	20
	<i>May</i>	2	24	17	55	25
Learning how to get support	<i>Definitely</i>	<1	2	3	10	26
	<i>Somewhat</i>	<1	1	1	3	29
	<i>May</i>	97	72	89	39	32
Being someone people count on	<i>Definitely</i>	3	26	9	54	31
	<i>Somewhat</i>	<1	2	1	7	23
	<i>May</i>	<1	1	1	3	29
Taking care of my physical health	<i>Definitely</i>	0	<1	<1	<1	14
	<i>Somewhat</i>	97	72	89	39	32
	<i>May</i>	3	26	9	54	31
Learning how to get support	<i>Definitely</i>	<1	2	1	7	23
	<i>Somewhat</i>	97	72	89	39	32
	<i>May</i>	3	26	9	54	31
Being someone people count on	<i>Definitely</i>	0	<1	<1	<1	14
	<i>Somewhat</i>	96	72	76	34	23
	<i>May</i>	96	72	76	34	23

Elements	Rating <sup>a</sup>	12-step	12-step	Secular	Self-	Atypical
		Traditionalist	Enthusiast		Reliant	
		%	%	%	%	%
I need	<i>Somewhat</i>	3	24	17	53	30
	<i>May</i>	1	3	6	12	32
	<i>Does not</i>	<1	1	1	1	15

<sup>b</sup>Definitely belongs in your definition of recovery, somewhat belongs in your definition of recovery, does not belong in your definition of recovery, but may belong in other people's definition of recovery, or does not really belong in a definition of recovery.

<sup>a</sup>This CFA component label was established in a prior analysis.

**Table 2.5**Unusual<sup>a</sup> elements: endorsement by class membership.

Elements	Rating <sup>a</sup>	12-step	12-step	Secular	Self-	Atypical
		Traditionalist	Enthusiast		Reliant	
		%	%	%	%	%
Non-problematic alcohol or drug use	<i>Definitely</i>	19	15	28	17	27
	<i>Somewhat</i>	4	7	14	12	14
	<i>May</i>	14	18	23	21	18
	<i>Does not</i>	63	60	36	50	41
No use of tobacco	<i>Definitely</i>	21	14	22	14	14
	<i>Somewhat</i>	15	13	13	15	9
	<i>May</i>	30	33	30	35	32
	<i>Does not</i>	34	40	35	36	45
Religious in nature	<i>Definitely</i>	13	9	2	4	5
	<i>Somewhat</i>	13	17	6	13	5
	<i>May</i>	38	41	45	47	28
	<i>Does not</i>	35	33	47	37	62
Physical and mental in nature and has nothing to do with spirituality or religion	<i>Definitely</i>	10	4	44	13	34
	<i>Somewhat</i>	10	14	33	25	15
	<i>May</i>	37	44	18	37	26
	<i>Does not</i>	43	38	5	3	25

<sup>b</sup>Definitely belongs in your definition of recovery, somewhat belongs in your definition of recovery, does not belong in your definition of recovery, but may belong in other people's definition of recovery, or does not really belong in a definition of recovery.

<sup>a</sup>This label was established in a prior analysis.