More Than "Just the Facts, Ma'am" Purpose-Driven Data Collection & Analysis













AMERICAN OSTEOPATHIC ASSOCIATION













Relief Council































American Indian Education Foundation









































Relief Council

Introduction

Learning Objectives

- How to manage data from multiple sources. Coherent body of knowledge to apply to problems. Help association stay true to mission.
- Learn to use research & planning to make forwardfocused decisions.
 Facts instead of speculation.
- Demonstrate how research results contribute: Development of annual initiatives.
 Long term strategic goals.
- Key principles for data-driven strategies. Ensure findings are incorporated into strategic/operational plans.



1:

Managing Data Into a Coherent Body of Knowledge

Theory vs. Reality: First, What Do We Have?

- We do have multiple databases
 - But focus is often on small/tactical stuff: minute differences or person-specific knowledge (i.e. Outlook contacts vs. AMS CRM)
 - Some do poor job integrating large files, such as annual outsourced registration file into central database
 - Most transactional data that is stored is inaccessible
 - If you needed to cross-tab two actions (attended, bought item, published, spoke, renewed) could you do it?
 - Circumstances often reflect "rational ignorance"
 - If we can't really use the data, why manipulate it?
- Goes to core of who we are as associations:
 - Complex organisms, developed organically, foci on social networks & decentralized relationships
 - How can data or research help us in this environment?



Principles of Effective Data Collection

- Constant effort/fieldwork
 - Use forms/transactions to complement your data
 - Compliance with new "smart mailing" requirements" means using NCOA (national change of address)
- Use external compiled data resources
 - Obtain a universe of professionals by title, businesses by NAICS code, all businesses by market
 - Best sources vary by field:
 - In education, MDR (commercial compiler)
 - In some professions, state licensing agencies
 - Compiled sources (Experian, Acxiom, InfoUSA, many list companies) are more comprehensive
 - Supplement existing sources of leads with new data
 - Document your universe so you understand who you attract, who you need to attract, who you'll never...



Objectives in Database Management

Most are too familiar with AMS/central database

New ASAE book "Put Your Data to Work"

- "Banish data redundancy--and its ugly aftermath.
- Seek and destroy shadow databases.
- Test early. Test often.
- Pursue success, not perfection.
- Open the database—once and for all.
- Query your database. Use the answers to refine strategy."
- Represents a good <u>first step</u>
 - Issues become how to feed contents and enhance reporting to become true knowledge management system



Mechanics: Database Hygiene, Tasks

Note: Most of us remain mired in DB as a management task and never fully leverage it

Accuracy

- ◆ Important functions include periodic, systematic sweep & cleanup
- Old DM finding: people care most about how you address them
- Accuracy, tracking status changes are critical

Completeness: Total Records

- Your data should focus equally on non-& former members on file with whom you should communicate—avoid "purges"
- Source of most of your new members/customers: control their first impressions or help them change their minds

Completeness of Each Record

- Demographic data should be populated, by inference or overlay if necessary for an accurate picture/selects
- Deliverable emails/residential addresses/other critical contact information should be populated

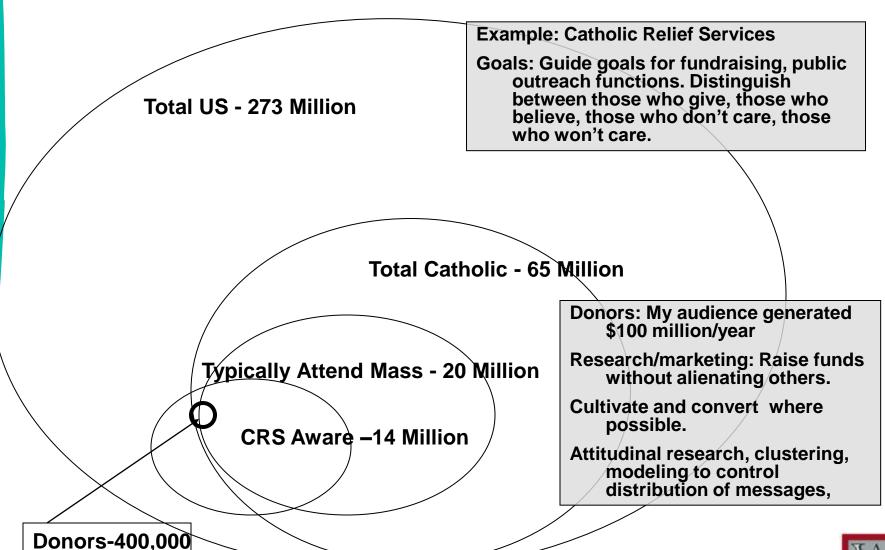


Data Structure/Population Should be Defined Info Needs: Market Metrics Example

- Key things you should know about your market: membership & customers
 - What is your feasible universe of members/customers?
 - What is your market penetration?
 - What is the profile of your membership (in terms of experience, position, business profile)
 - How has your profile been changing?
 - What is your served profile, relative to your market?
 - ◆ Simple formula: C/U 1,000 ÷ 5,000 = 20% penetration
 - Feasible prospects = 4,000
 - Apply this to analysis to segments as well
 - Generational, ethnic/racial, industry type, general diversity and measurement of under-representation/weak penetration



Top-Down Perspective: Understand Your Universe, Even if You Can't Track Them





Data Source 1: Application/Registrations



American Society of Appraisers

International Headquarters P.O. Box 17265 . Washington, DC 20041-0265 Phone: (800) ASA-VALU or (703) 478-2228 Fax: (703) 742-8471 E-Mail: asainfo@apo.com Internet: www.appraisers.org

Membership Invitation

YES! I accept your invitation to apply for membership in ASA

CODE 5064

NAME & ADDRESS (Please type or print clearly with a ballpoint pen) Charge \$100 to my: Name of Applicant (circle preference: Mr./Mx./Dr./ Other, **Business Address** Company City: State: ZtP. Country Business Phone Web site, Email Boolal Security # (optional) Birth Date (buttonal) Alternative Mailing Address (use only if you don't want mail sent to your work address) Address City State, ZIP APPLICATION FEE A \$100 Candidate Application Fee (nonrefundable)

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Am	erican Society of Appraisers
P.O	Box 1638
Mer	rifield, VA 22116-9979

MUST accompany your completed application form. DO NOT send any other funds at this time. An invoice for international and chapter dues will be issued upon receipt and approval of your application.

PAV	ME	NT	ME	TH	OF

- Check enclosed for \$100 (Payable to ASA)
 - TUTCA

Account #

Please complete the back side of application.

OVER PLEASE >

MEMBERSHIP APPLICATION

Complete the front side of this application form, and be sure to sign and date the Membership Agreement below.

Provide three business references (Addresses and plume numbers must be complete.)	APPRAISAL DI Please check your m (Chosse only one.)
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Have you ever been convicted of a felony?

RAISAL DISCIPLINE

	lease check your most significant appraisal discipline. Thouse only one.)
E	Appraisal Review & Management
E	Gems & Jewelry
E	Personal Property
E	Business Valuation
	Machinery & Technical Specialties
E	Real Property

UAL DUES

vill receive a prorated dues invoice when your dacy has been approved.

al U.S. dues are as follows:

Candidate		TPITE	\$305
Accredited	Member (AM)		\$380
Accredited	Senior Appraiser (ASA)		\$380

dues are \$25. In addition, some chapters have ument fee

ABERSHIP AGREEMENT

ndenigned applicant certifies that he/she is (1) employed in the appraisal profession or erested in becoming an appraiser. The applicant agrees to take and pass the society's examination Principles of Appraisal Practice and Code of Ethics one year of acceptance into Candidate ership. In addition, the applicant agrees to ete the 15-hour course for the Uniform Standards fessional Appraisal Practice (USPAP) within two of acceptance into Candidate membership.

by certify that the statements contained herein are and, if elected to membership, I agree to abide Constitution, Bylanes, and Administrative Rules of ciety and its Principles of Appraisal Practice and Code

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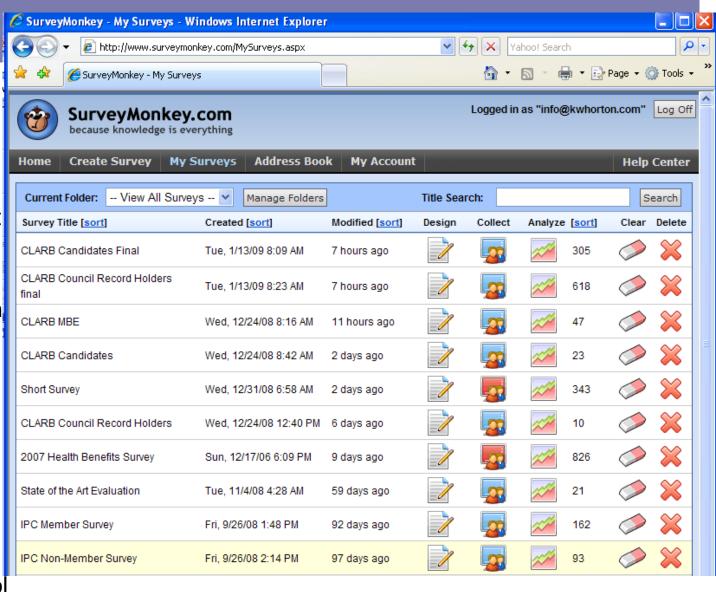
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Data Source 2: Regular Surveys

Use a good online tool

Low-end often as good as high-end

- SM: campaign mgt easy segments, filtering/crosstabs
- At \$200/yr, fraction of cost of slightly fancier tools
- Often others generate lower response
 - In-house allows serialized studies
 - Focus on need & application, not tool or method





Data Source 3: External Data

- The content aggregation role—window on your world
 - Organization=center of its universe for data consumers
 - Businesses need information
 - Contact names and business leads
 - Factors and dynamics that impact local economy
 - Management techniques and philosophies
 - Core skills for self, managers, staff
 - Association members need information
 - Directory contacts, practice standards
 - Tracking info for policy/government affairs
 - Statistics: volume, profitability, workforce
 - Data to facilitate networking & info exchange
 - Qualitative information from networking
 - Data is most useful when you collect & disseminate



Putting It All Together

- Pursue the necessary work of integrating line by line data
 - Track current transactions real time for financials, CRM
 - Merge/convert historical transactional data in summary format
 - Field AM01=Y if attended, not the gory details
 - Y/N binary values: leader, speaker, ad hoc volunteer, etc.
 - Meta data: running total of events attended past five years
- Constructively feed this database with new data
 - User-defined variables: profile data such as YOB, practice/industry type, # employees/dollar range
 - Collect data through surveys to create new knowledge, more fully populate existing fields
- Organize the other data that can't/shouldn't feed
 - Use a wiki, library of survey summaries, repository of detailed cross-tabs and raw data that be re-analyzed
 - Add external quant./qual. data gleaned from the outside world



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Feeding Forward-Focused Decisions

- We need to use knowledge management effectively
 - To feed our existing decision-making processes
 - To help supplement existing sources of decision support:
 - Board, committee, staff reactions "on the fly"
 - Efficient, but not effective process of making decisions without data
 - Often we deliberate and delay but don't add knowledge as an input into the process
- In this section we focus more on how to purposefully conduct, report and manage knowledge
 - Involves methodologies, planning, and avoiding mistakes
 - Applying structure to program with flexibility in projects
 - Defining your audience
 - Framing actual findings so they do "face the future" and "see around corners"



Developing A Data Collection/Research Agenda

- Structure: number/types of methods you integrate
 - Surveys, focus groups, interviews, secondary analysis
 - User groups, planning sessions, "town halls," Delphis
- Define your knowledge goals:
 - Opinions, perceptions, trends, differences across segments, externalities (competition/issues)
 - Desired outcomes: decision support, feasibility, simple data collection (incidence/prevalence), profiling
- Determine frequency
 - Relate it to timeliness of need, respondent fatigue
 - Avoid proxy for action (study instead of acting!)
 - Convert into a relationship tool
 - Demonstrate transparency, guide program launches
 - Integrate with membership/communications strategy



Avoiding Common Data Collection Mistakes

- Wrong focus: Too much emphasis on the periodic, global "needs assessment," not regular work, specific applications.
- Fieldwork: Populist Census rather than a sample. Undifferentiated forms/surveys by audience. Inadequate campaign management.
- Response management: Unclear thought on (in)tangible incentives. Accepting chronic low participation.
- 4) <u>Communications</u>: Not sharing results in a transparent manner. "What's in it for the respondent" is being part of the process.
- 5) Surface level analysis: Weak conclusions err on side of being "objective"/looking at trees, not forest. Little consideration of bias.
- Interpretation: Be receptive to bad news. Focus on actionability. Internal approach to mine details or reject counterintuitive findings.
- 5 Shelf life: Insufficient use of the study after first presentation: not retaining data for ongoing application, foundation for new studies.



Choosing the Right Methodologies

- Secondary research
 - Understanding the association & membership through their promotions, sales, history, old studies
- Qualitative research
 - Focus groups, personal interviews, face-to-face
- Quantitative surveys
 - Samples vs. census
 - Formats: online, print, telephone
 - Sequence of mailings/reminders
 - Testing for bias: unrepresentative results
 - Premiums/incentives for response
 - Length/format of instrument



Key Steps in Qualitative Research

Plan

 Define objectives: identify unmet information needs, collect dangling hypotheses, poll stakeholders.

Guide

Draft series of core questions, sub-questions or probes, ground rules and introductory language. Review guide for completeness, reasonableness, flexibility and length. Vary by audience.

Sample

Identify a pool of appropriate participants. Ensure a mix for interviews, in terms of demographics and engagement profile (leaders and rank-and-file). Ensure homogeneity for focus groups when helpful to encourage candid conversation.

Recruit

 Draft invitations, record confirmations, do reminders/other followup with desirable non-respondents to yield representative group.

Conduct

At scheduled interview time or focus group time/location, manage the session. Interviews are often 30 minutes, focus groups 90.

Analyze

Transcribe the sessions if possible, then categorize by primary themes, pull call-out quotes. Seek to explain some findings in terms of demographics, other causal factors.

Report

 Write a report/presentation that summarizes overall findings including additional questions that inevitably arise.



Key Steps in Data Collection/Surveying

Define objectives: Clarify unmet information needs, prioritize Plan hypotheses to test, reconfirm with stakeholders. Hire or assign task: write questions and response items, compile **Draft** and prioritize vis a vis final objectives. Design Once reviewed, select software, convert questions to its format. Pre-test Draft invitation and reminder language, and administer with small, randomly-selected group selected from your sample or census. **Administer** Once any appropriate improvements have been made, load address book and transmit personalized invitations and reminders on a set 7-10 day schedule. Download Run some statistics from the survey software, then download all data including closed ended data for coding/cleaning and open-

text responses to convert to a document.

Analyze

 Run cross-tabulations on values such as institutional characteristics (size, type), demographics, predicted behaviors, source, satisfaction level & related attitudes.

Report

 Write a report that summarizes overall findings, discusses meaningful differences by segment, embeds graphics, categorized comments and cross-tabulations.



Determining Themes/Applications for Research Projects

Each new data collection process is a conscious decision:

- Member satisfaction
- Member needs assessment
- Non-member/ customer needs
- Educational assessment/ evaluation
- Readership surveys
- Compensation surveys
- Consumer surveys

- Diversity studies
- Meeting evaluations
- Industry specific studies
- Pricing
- Product development
- Operating/financial operations
- Employee/staff satisfaction
- Web usage

Consider whether new data collected should be a module or standalone project with a distinct audience ... prioritize and determine when current data is sufficient without more work.



Audience: Deciding Who/What to Ask

Who resides in your database(s): records that cold be analyzed, profiled, "fed" with additional research/appends and better understanding through confidential opinion/behavioral research.

	5-Year Member History	Y1	Y2	Y3	Y4	Y5	Now	Today's Sample
I	Members: start of year	10,000	10,000	10,000	10,000	10,000	7,500	A. Continuous members
	Members lost: 80% retention	2,000	2,000	2,000	2,000	2,000	7,500	B. Former members
	New members, no history	1,500	1,500	1,500	1,500	1,500	1,500	C. Current new members
	Reinstates (recapture)	500	500	500	500	500	1,000	D. Oscillating/"at risk" mem.

Logical Areas of Inquiry

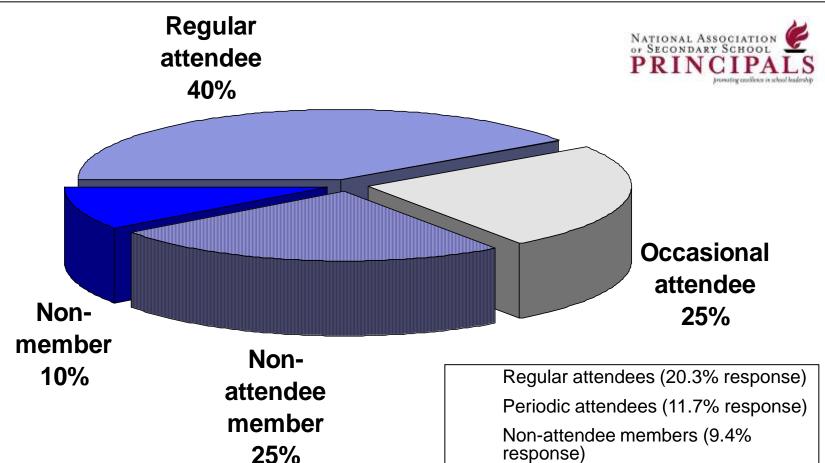
- A. Loyalty/how to increase? How to clone? Common profile characteristics (psych/practice/demographics).
- B. How well are needs met today? Impact of competition, externalities.
- C. What are their expectations? How does profile differ? Attitudes for/against future cultivation/enhanced engagement, loyalty.
- D. Future intentions? Internal cultural factors causing status Δ ?



Choose Carefully Where to Look/Whom to Ask

Example: NASSP Conference Research

Goals: To understand factors influencing attendance, project future trends, guide program development and marketing.





Non-member past attendees (3.1%

Distinction: Forward Focused vs. Historical Industry vs. Market Data

- ◆ ASAE Research produces a high volume of serial studies: industry research
 - Financial ratios, common operational practices, large scale
 "Decision to" (Join, Volunteer, and soon Donate studies: panels of association members
 - Other studies: compensation, special studies (economic outlook)

 Think about the challenge: applying this knowledge to efficient internal operations

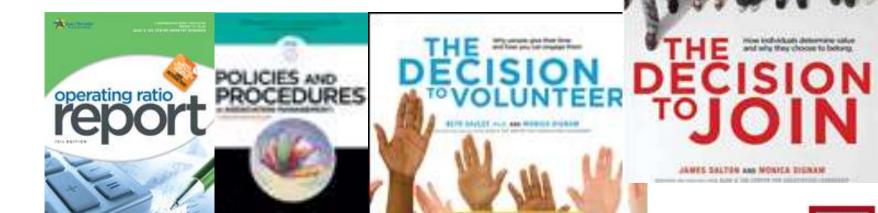


Illustration: Balancing History with Expectations in the Same Study, Report

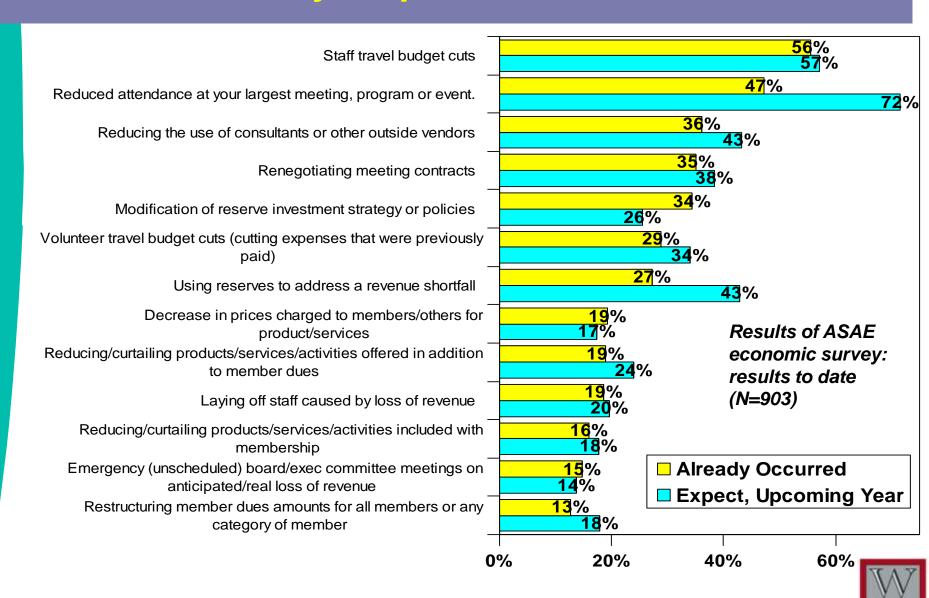


Illustration of Drill-Downs: Specific Areas of Revenue Change, Past Year

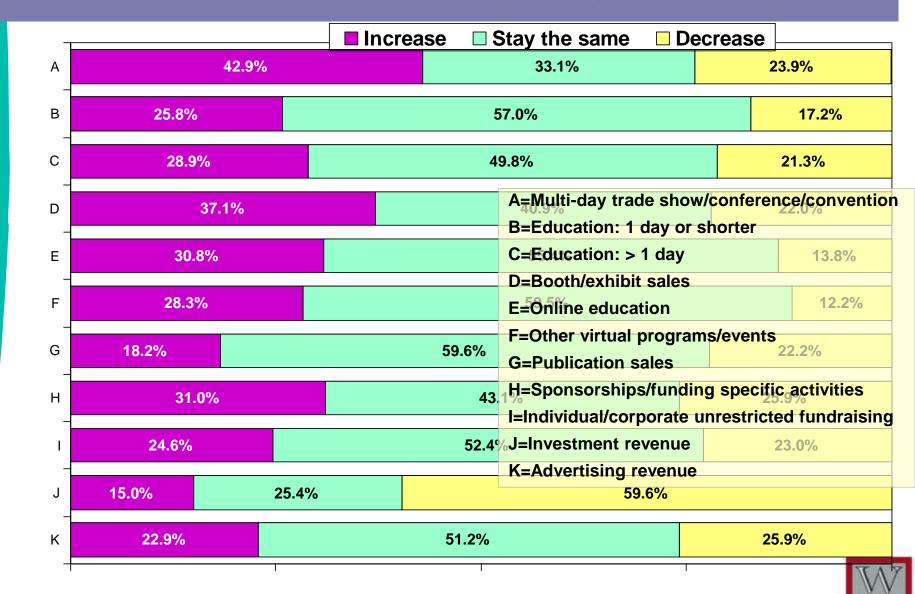
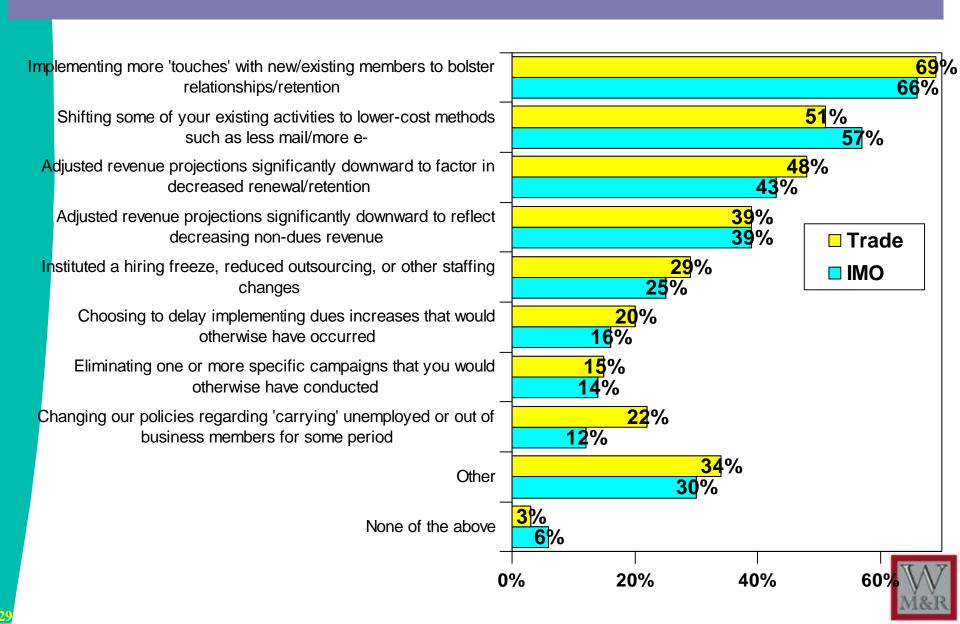


Illustration: Consensus on Actions Taken or Planning to Take to Address Environment



Other Aspect of Planning: Competitive Intelligence to Learn and Drive Strategy

- In addition to "generic" benchmarking, collect data you identify from other organizations, publishers
 - Relevant to your operating environment
 - Stories that stick with staff/boards: tracking friends and foes over time
 - Seek to understand the "what" and the "why"
 - Borrow ideas, but know why and if they're working...
- Things I look for in audits/comparative studies:
 - What are they charging for things?
 - What are their current/historic financials?
 - How do they communicate?
 - What do our members think about them? (membership/leadership overlaps)
- Digestion of what we learn:
 - What truly applies to our organization?
 - What object lessons can we learn:
 - Mistakes to avoid; positioning ourselves (positively/negatively)



Putting it All Together

Sound data collection offers a solid basis for enhancing value in a variety of applications:

- Specific Products: Compensation, operations, profit & loss, economic conditions studies.
- Program Support: Documenting common business or professional practices & impediments for advocacy programs, issue identification.
- <u>Decision Support</u>: Helping Boards make right, fact based decisions on program launches, sunsets, dues levels, etc.
- <u>Background</u>: Documenting membership profile, populating demographic database, supporting trend analysis.
- The key is to make the best of what knowledge you have.
- Supply creates its own demand over time as staff/leader confidence grows in asking for and using data.



3/4:

Linking to
Annual Initiatives/
LT Strategic Goals
Strategic &
Operational Plans

Decisions that Need Data

Many areas ...

- Staff: up/down
- Programs: more/less
- Do something new/ drop something old
- Take a position or do nothing
- Evaluate programs: sunset or expand
- Assess new services

Applications: plans/initiatives

- Alter the bundle of member services
- Change focus, justify actions with less member/leader fallout
- Become more tailored
- Address underserved markets
- Cut budgets/reprogram resources
- Demonstrate responsiveness, be dynamic in the face of change
- Optimize "the business of the association"



Examples of Specific Projects/Applications

Membership Audit: Relocated, 4 years' new E.D., great turnaround.

Key Questions: What is our image today? How much and how should we spend over time on membership marketing? How should we spend now, given the economy?



- Methods: Stakeholder interviews with staff. Review materials.
- Outcomes: Adjust budget/spending levels. Adjust forecasts of performance.
 Encourage strong outreach to help announce "we have arrived" to non-members.

Strategic Planning: State IMO needs to "data-feed" its strategic plan



- <u>Issues</u>: Maintain/improve relevance. Grow market penetration. Translate successful tradition of service delivery into greater value.
- Key Questions: Determining key sources of value. Identifying who belongs to national AICPA, local chapters. How do members define expectations on each level?
- Methods: Personal interviews with top leaders, some rank-and-file, all senior staff.
 Conduct online/print surveys among sample of members & non-members.



More Examples

Member Census: Society merges chapters 5 years ago: assess quality/challenge

Educational Needs: Measure preferences, interests, needs, plans and impedimer



- Issues: Sacramento, Los Angeles, San Diego, San Francisco distinct markets How are members/vendors served in this environment?
- Key Questions: How to get members to participate and attend? How to build community across the state?
- Methods: Online member/non-member primary/associate members surveys, interviews.
- Outcomes: Survey findings overall, by region, member status and type. Also element of "teach us to fish" that helps ensure future in-house, efficient data collection.

Readership/Media: Trade association determines # of members "going digital."

- <u>Issues</u>: Needs assessment for Board review: several very specific, excellent questions.
- Key Questions: How many have substituted electronic for print professional resources in recent past? How many plan to shift some learning from face to face to distance learning (CD/online)?
- Methods: Online/print surveys of members/non-members. Just a few questions in a much larger study. Modules provide opportunity to measure targeted information.
- Outcomes: Showed that RBMA, others are "training" members away from print, many non-members resistant. Far fewer plan to migrate to newer education formats.



Examples: Federation & an IMO

National/Chapter Report Card: Assess membership, apprenticeship, other programs in 90-chapter federation.

- Issues: Local associations collect dues, dominate the member relationship, repurpose national content. How to assess/improve value?
- Key Questions: How and why members value each level?
- Methods: Survey local staff/officers, current/never-members: "report card" on services at both levels.
- Outcomes: Long survey with spectacular response. Provides basis for identifying "strong/weak" (i.e. supportive) local assns.

 AMERICAN COLLEGE

Conference Planning: Why non-attendees avoid major event.

- <u>Issues</u>: ACR Annual Scientific Meeting draws well but some never attend.
- Key Questions: Why don't they attend; what can be done to draw them?
- Methods: Identify and invite select group to attend (free travel and registration) who wouldn't have otherwise. Conduct focus group and secondary analysis of past educational needs survey.
- Outcomes: Impediments vary by basic scientists & clinicians; culture/community; new features and copy/messaging.



Illustration: CTAM (ASAE Archives)

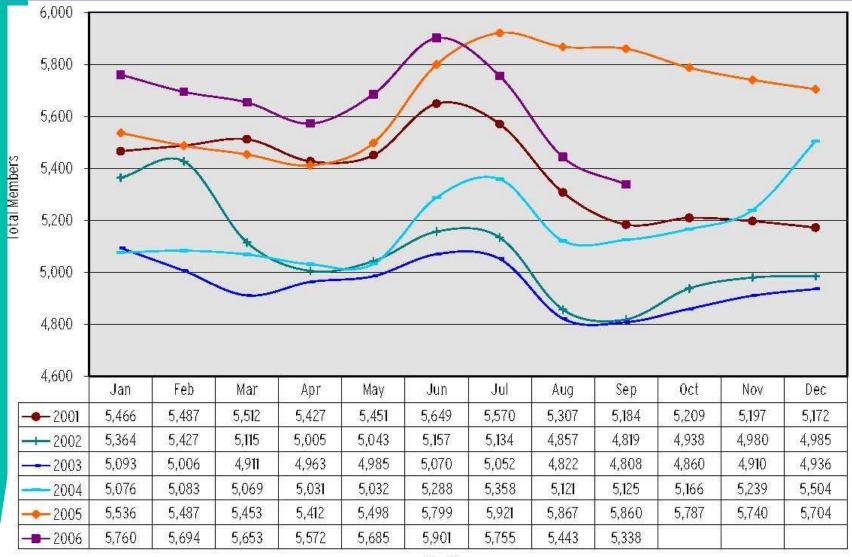




Illustration: Excerpts from CTAM Membership Plan

- 1. Economic/Industry Trends Affecting Membership
 Not only are there fewer prospects (both cable companies and content providers), but industry consolidation creates an atmosphere of uncertainty which may delay the decision to join. There are more people vying for fewer jobs, making CTAM an even more important resource for networking and career advancement.
- 2. Social/Cultural Trends Affecting Membership and Volunteerism People are spending more time at work but are striving to achieve a balance between work and home life, which affects the time they have to volunteer and attend association meetings. People have increased expectations regarding availability of information and the channels by which they prefer to receive it.



Linking to Operational Plans

3. CTAM Specific Issues

- Companies are continuing to cut-back on travel which could mean less participation in CTAM meetings. CTAM has pared back conferences and some products.
- In order to continue to grow membership, CTAM needs to continue to develop and market non-conference benefits to people who do not attend the Summit. The value of CTAM membership must be demonstrated to the senior executives who control the purse strings.
- There is confusion among some chapter-only members who believe they are entitled to national membership benefits. Industry consolidation coupled with the highly mobile nature of the cable business presents a challenge in keeping the database up-to-date.
- Identifying new prospects is difficult at best as purchased lists are not as accurate as our own data and other industry associations are reluctant to share lists for anything more than a one-time mailing.
- As competition from satellite and telcos intensifies, MSOs want CTAM closed, MSO-only committees and meetings; will avoid publicly sharing information at conferences.
- As consolidation continues, ownership positions may cross traditional segments, making it difficult to interpret/enforce the membership eligibility criteria.



What Data Would We Collect?

To support, reject, validate, monitor, and operationalize ...

Some top of mind observations:

- Measure attitudes among diverse stakeholder audiences
 - Senior managers
 - Non-members
- Monitor industry trends in observed areas of impact
 - Degree of cutback in travel budgets
 - Track net changes in staffing
 - Look for areas where new impact may occur
- Conduct research with distinct audiences/purposes
 - Chapter-centric research—stronger brand/clearer distinctions
 - Assess feasibility of new education offerings
- Continue tracking broad societal/industry trends
 - Heavy reliance on secondary data sources—press, Wall Street



Conclusion/Thank You!

Kevin Whorton, Principal Whorton Marketing & Research

4977 Battery Lane Suite 917
Bethesda MD 20814
info@kwhorton.com
www.kwhorton.com
301-312-8938

