





Financial Ratio Analysis

- Financial ratio analysis is a quantitative analysis of information in the financial statements to evaluate relationships among financial items.
- These ratios can be used to analyze an organization over time or in comparison to similar organizations.

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Purposes

- To evaluate the financial condition of the NGO
- To evaluate if the NGO's activities align with their objectives
- To meet the donor's accountability of the NGO's performance



Evaluation of: • Financial Sustainability - The Defensive Interval Ratio - Survival Ratio - Reliance of Government Funding Ratio • Efficiency - Program Service Expense Ratio - (Social) Return on Investment

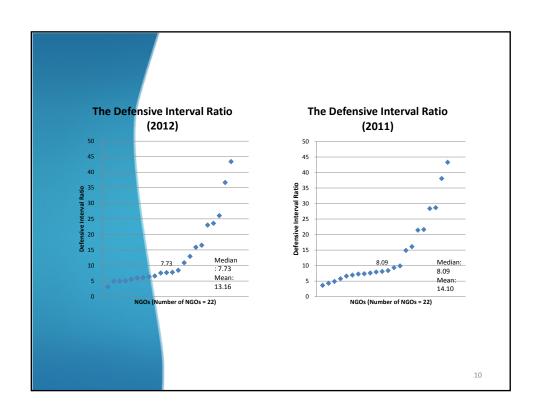
How long (e.g. how many months) the NGO can operate and function normally to support its mission if no additional funds are received?

THE DEFENSIVE INTERVAL RATIO

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THE DEFENSIVE INTERVAL RATIO =

Year	2012	201
Teal	2012	201
Cash	10,892,265	12,215,55
Receivables	2,166,233	1,322,43
Marketable Securities	497,808	477,19
	13,556,306	14,015,180
Average Monthly Expense	2,213,737	1,731,45
Defensive Interval Ratio (months)	6.12	8.09



How long (e.g. how many days) the NGO can survive if all its funds are dried up and levels of activity remain the same?

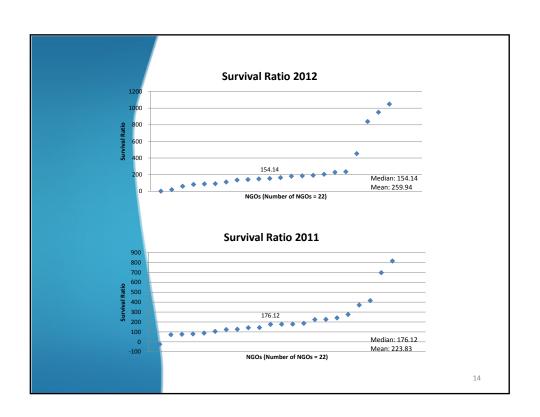
SURVIVAL RATIO

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SURVIVAL RATIO =

NET CURRENT ASSETS X 365 DAYS
TOTAL INCOME

	Example	
Year	2012	20
Net Current Assets X 365	4,719,317,505	4,969,780,5
Total Income	25,933,499	22,083,2
Survival Ratio (days)	181.98	225.



How to measure the risk of reliance and autonomy?

RELIANCE ON GOVERNMENT FUNDING RATIO

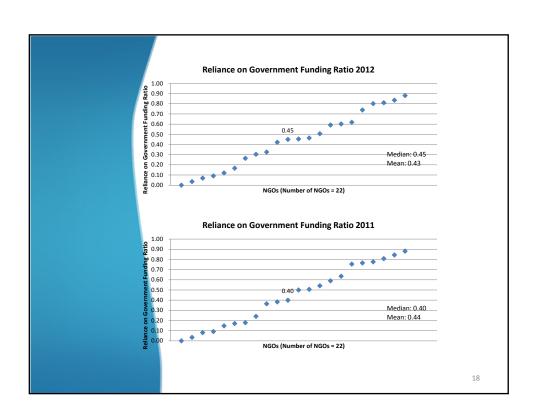
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RELIANCE ON GOVERNMENT FUNDING RATIO =

TOTAL GOVERNMENT GRANTS

TOTAL INCOME

E	xample	
Year	2012	201
Total government grants	10,923,545	11,024,40
Total income	25,933,499	22,083,21
Reliance on Government		
Funding Ratio	0.42	0.5



How to measure the efficiency of programs / services that directly benefit the community?

PROGRAM SERVICE EXPENSE RATIO

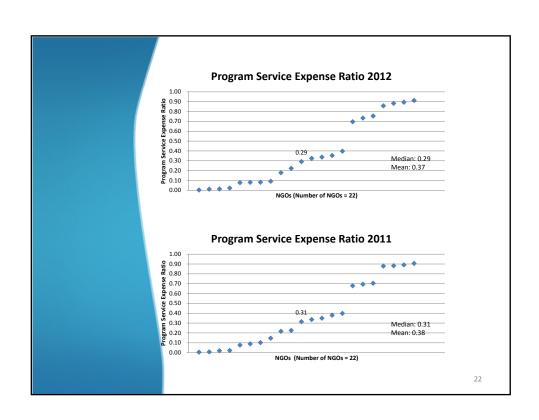
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PROGRAM SERVICE EXPENSE RATIO =

PROGRAM SERVICE EXPENSES

TOTAL EXPENSES

Example		
Year	2012	201
Program Service Expenses	7,755,193	6,973,90
Total Expenses	26,564,838	20,777,49
Program Service Expense Ratio	0.29	0.3



How to measure the efficiency of utilizing the funding?

RETURN ON INVESTMENT

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RETURN ON INVESTMENT =

 $\frac{SURPLUS (DEFICITS)}{TOTAL \ FUNDING}$

