



Protective factors: new SAPROF and Risk screening developments


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Plenary outline

Content:

- Protective factors & risk assessment
- The SAPROF
- New developments
- Risk screening & protective factors
- Research findings



Risk & Protection



What defines risk?

Individual risk is likely best defined by an 'individual theory' regarding how **risk and protective factors interact for this person** in a specified context

Why consider protective factors?

*Rogers (2000):
'Risk-only evaluations are inherently inaccurate'*


- **Balance** in risk assessment
- **Accuracy** prediction of recidivism
- **Theoretical** development GLM / Desistance
- **Guidelines** treatment / risk management
- **Motivating** patients and clinicians

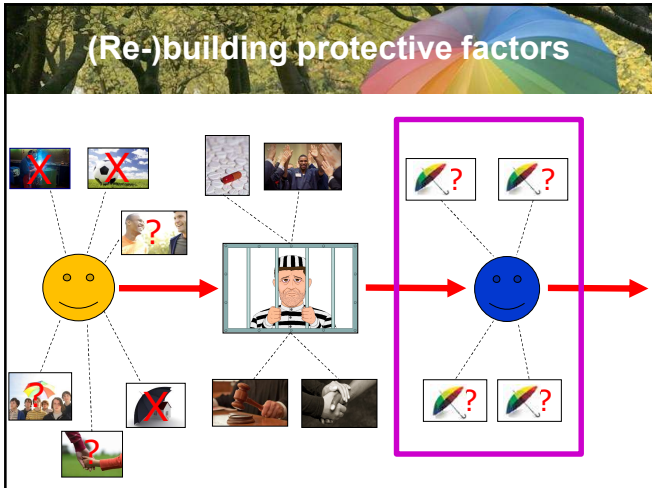


What are protective factors?

SAPROF definition

Any characteristic of a person, his / her environment or situation, which reduces risk of future (sexual) violence





Building protection

Re-integration is about building and re-building protective factors

Assessing Protective factors

2007	2009	2010	2011	2012	2014	2016	2018	2020	2021-2022
Dutch	English	German	Spanish	Dutch 2nd	Japanese	Romanian	YV-German	Finnish	SAPROF - Extended Version
		Italian	French	English 2nd	Greek	Polish	YV-French	Arabic	SAPROF - Sexual Offending
		Norwegian	Russian		SAPROF - Youth Version Dutch	YV-English		YV-Finnish	SAPROF - Child Version
		Swedish	Danish			YV-Spanish		YV-Italian	SAPROF - Self Assessment
		Portugese							Risk Screener - Violence
									Risk Screener - Youth

- SAPROF (adult version)
 - Extended Version
- SAPROF Sexual Offending:
 - Stand-alone
 - Addition to original
- SAPROF - Youth Version 12-23y
- SAPROF - Child Version 6-15y
- Self-assessment
- Risk Screener - Violence (adults)
- Risk Screener - Youth

- ### SAPROF coding procedure
- Code presence of each factor** (Context dependent rating)
 - Mark critical factors** for individual:
 - Keys (essential factors for current protection)
 - Goals (valuable factors for intervention focus)
 - Final Protection Judgment** (low, l-m, moderate, m-h, high)
 - Integrative Final Risk Judgment** (low, l-m, moderate, m-h, high) based on SAPROF and (sexual) risk instrument
- Risk scenarios → Risk management
- Nature, Severity, Victim, Imminence, Likelihood, Risk-enhancing, Risk-reducing?

SAPROF protective factors

Internal factors

- Intelligence
- Secure attachment in childhood
- Empathy
- Coping
- Self-control

Motivational factors

- Work
- Leisure activities
- Financial management
- Motivation for treatment
- Attitudes towards authority
- Life goals
- Medication

External factors

- Social network
- Intimate relationship
- Professional care
- Living circumstances
- External control

Changes during treatment

SAPROF-Youth Version 12-23 years

Resilience factors

- Social competence
- Coping
- Self-control
- Perseverance
- Future orientation
- Motivation for treatment
- Attitude towards agreements and conditions
- Medication
- School / work
- Leisure activities

Relational factors

- Parents / guardians
- Peers
- Other supportive relationships

External factors

- Pedagogical climate
- Professional care
- Court order

→ Keys & Goals

→ Formulation & Scenario's

→ Final judgment

→ Treatment planning & Risk management



Does it actually work?

- Protection predicts (equal to risk)
- Combined: improved violence predictions

Good research results protective factors

30+ international studies, varying settings & countries:

- Mean ICC = .82
- Mean AUC = .77
- Violent and sexual re-offending
- Incremental predictive validity findings protective factors over risk factors

Does it actually work?

- Protection predicts (equal to risk)
- Combined: improved violence predictions
- Changes measurable and predictive
- Progress SAPROF → less violence



SAPROF – Extended Version

Additional instructions and new factors

Additional coding instruction	New protective factors
1. Functional intelligence	EV1. Social competence
Self-control	EV2. Quality of life
5. 5a. Frustration tolerance	EV3. Self-efficacy
5b. Resistance substance use	EV4. Participation treatment program
Network	EV5. Hobby's & use of personal time
13. 13a. parents/guardians	EV6. Therapeutic alliance
13b. Peers	
13c. Other supportive relationships	
15. Appropriate professional care	
16. Living circumstances	

SAPROF – Extended Version

Pilot study Belgian high secure forensic psychiatry

AUC-values	Physical aggression	Verbal aggression	Self-directed aggression	Object aggression
Three months follow-up (N = 162)				
HCR-20 ^{v3}	0.78	0.77	0.91	0.68
SAPROF mod original	0.86	0.83	0.91	0.83
Additional factors	0.84	0.79	0.78	0.73
Total SAPROF-EV	0.88*	0.83	0.89	0.82
Six months follow-up (N = 145)				
HCR-20 ^{v3}	0.73	0.78	0.91	0.69
SAPROF mod original	0.81	0.83	0.89	0.77
Additional factors	0.80	0.76	0.80	0.71
Total SAPROF-EV	0.83*	0.83	0.88	0.77

*Incremental predictive validity: Additional prot factors > SAPROF mod original > HCR-20^{v3}

Self-assessment protective factors

SAPROF-Extended Version pilot study St. Joseph's Hospital Hamilton

SAPROF SELF ASSESSMENT (INPATIENT)

Please rate to what extent these factors were present in the last month

Protective Factors	YES	SOME TIMES	NO	Give an example if possible
Coaching	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Coping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Emotional Regulation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Empathy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Family Support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Future Plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Medication	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Motivation for professional support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Professional Care	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Resilience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Social Support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Therapeutic Alliance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
External Control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

SAPROF SELF ASSESSMENT (INPATIENT)

Please rate to what extent these factors were present in the last month

Protective Factors	YES	SOME TIMES	NO	Give an example if possible
Life Goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Medication	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Participation in Treatment Program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Religious/Spiritual Beliefs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Self-control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Therapeutic Alliance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
External Control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

SAPROF-YV self-assessment

in development

SAPROF-Youth Version Self Assessment

Please rate to what extent these factors are generally present for you

Protective Factors	YES	SOME TIMES	NO	Give an example if possible
Social Competence	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Coping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Empathy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Family Support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Future Plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Medication	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Motivation for professional support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Professional Care	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Resilience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Social Support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Therapeutic Alliance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
External Control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

SAPROF-Youth Version Self Assessment

Please rate to what extent these factors are generally present for you

Protective Factors	YES	SOME TIMES	NO	Give an example if possible
School / work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Leisure Activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Family / Friends	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Resilience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other Supportive Relationships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Religious/Spiritual Beliefs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Professional Care	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
External Control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

SAPROF - Sexual Offending

SAPROF - SO manual

- Most protective factors valid sexual offenders
 - SAPROF good predictor violence and sexual violence (De Vries Robb, De Vogel, Koster & Bogaerts, 2014; Special Issue SAJRT Feb 2015)
- Specific protective domain SO:
 - 'Healthy sexual interests' (De Vries Robb, Mann, Maruna & Thornton, 2015)
 - 'Prosocial sexual interests, attitudes and environment' (DASH-13; Worling, 2013)
- SAPROF-SO manual
 - New Zealand / US / Netherlands (Willis, Thornton, Kelley & De Vries Robb, 2021)



SAPROF - Sexual Offending

SAPROF - SO manual

1. New stand-alone SAPROF manual for SO
 - Including original SAPROF factors
 - Adjusted coding several existing factors
 - 6 new SO-specific concepts
 - Actuarial format
 - Link with GLM and Desistance theory
 - ➔ Promising initial research findings SAPROF-SO pilot AUCs ranging .69 (Olver et al.) to .81 (Nolan et al.)
2. New additional SAPROF-SO SPJ manual
 - Adjusted coding several existing factors
 - 6 new SO-specific concepts
 - SPJ format

SAPROF - SO^{SPJ} addition

SAPROF-SO SPJ addition; de Vries Robb, Willis, Thornton & Kelley, 2021

Additional SO factors

- SO1. Emotional connection to adults
- SO2. Adaptive schemas of self and others
- SO3. Therapeutic alliance
- SO4. Sexual self-regulation
- SO5. Prosocial sexual interests
- SO6. Prosocial sexual identity

+ additional coding suggestions existing factors

Professional Risk Management (optional)

- 1. Sexual offence-specific treatment
- 2. Therapeutic alliance
- 3. Motivation for managing risk
- 4. Medication
- 5. Supervised living
- 6. External control

SAPROF - Sexual Offending

Stand-alone SAPROF-SO Version 1; Willis, Thornton, Kelley, & de Vries Robb, 2021

Resilience

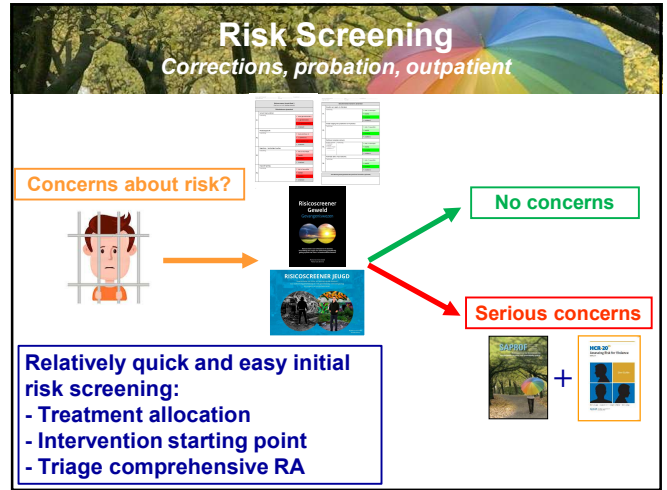
- 1. Adaptive schemas
- 2. Empathy
- 3. Coping
- 4. Self-control
- 5. Attitude to rules/regulations

Adaptive Sexuality

- 6. Sexual self-regulation
- 7. Prosocial sexual interests
- 8. Prosocial sexual identity
- 9. Intimate relationship

Prosocial Connection & Reward

- 10. Goal-directed living
- 11. Work
- 12. Leisure activities
- 13. Social network
- 14. Emotional connection to adults



Risk Screening
Corrections, probation, outpatient

Risk Screener - Violence - Adults

Historical

- Previous violence society
- Previous violence prison

Dynamic Risk

- Violence towards others
- Substance use
- Negative/defiant attitudes
- Impulsive behaviour

Dynamic Protective

- Obeying rules & agreements
- Coping problems / frustration
- Positive influences network
- Motivation crime free future

Risk Screener - Youth

Historical

- Previous violence society
- Previous other crimes

Dynamic Risk

- Unsafe home environment
- Criminal peers
- Substance use
- Antisociality
- Anger management problems

Dynamic Protective

- Rules & regulations at home
- Support prosocial network
- Obeying rules & agreements
- Coping
- Daily occupation
- Motivation for change

Risicoscreener Jeugd Zelfbeoordeling

Risicofactoren	Geen / Niet relevant / Niet van toepassing	1	2	3	Toelichting
Eerdere veroordelingen geweld Ben je wel eens veroordeeld voor het plegen van een geweldsdelict?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Eerdere veroordelingen criminaliteit Ben je wel eens veroordeeld voor het plegen van een niet-geweldsdelict?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Onveiligheid thuis Zijn er vaak problemen of ruzie bij jou thuis, vooral jij je thuis wel eens onveilig?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Crimineel netwerk Ga je veel om met vrienden of familie die in aanraking komen met politie en justitie?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Middelengebruik Gebruik je regelmatig drugs of alcohol, kom je daarvoor wel eens in de problemen?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Antisociale houding/gedrag Denk je vooral aan jezelf en doe je vaak waar jij zin in hebt, zonder rekening te houden met anderen?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Problemen met boosheid Voord je snel boos en ben je dan wel eens agressief?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Beschermende factoren

Geen / Niet relevant / Niet van toepassing	1	2	3	Toelichting
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Positieve ondersteuning netwerk Heeft je positieve familie en vrienden om je heen die jou kunnen helpen bij problemen?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Regels en grenzen thuis Zijn er bij jou thuis duidelijke regels en grenzen?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Houden aan regels en afspraken Hou jij je meestal aan de regels en afspraken, thuis, op school/werk, in begroting?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Omgang met problemen Ben je goed in het oplossen van problemen en kun je goed omgaan met emoties in moeilijke situaties?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	School / werk Ga je elke dag naar school, stage of werk en doe je daar actief mee?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Motivatie voor verandering Wil je graag veranderen en je gedrag verbeteren?

Take home

Risk factors and Protective factors together determine (Sexual) Violence risk

Both are essential for comprehensive risk evaluation and effective treatment & risk-management

Thank you!

SAPROF, Protective Factors, Risicoscreener Geweld, RISICOSCREENER JEUGD

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