

Evaluating Tarmed, the Swiss tariff for ambulatory medical services

Methodological approach

INTOSAI Working Group on Evaluation of Public Policies Paris, 12–13 June 2018 – Emmanuel Sangra





- 1. Context of the evaluation
- 2. Understanding...
 - the structure of a medical tariff
 - the way the tariff is applied
- 3. Choosing...
 - the best methods
 - the case studies
- 4. Project management
- 5. Results and recommendations
- 6. Conclusion



- Health spending in Switzerland is 12.4 % of GDP second behind US (17.2%) – average OECD (~9 %)
- Competence to steer the health system quite divided (Confederation, cantons, physician, insurers)
- Tarmed : Medical tariff for ambulatory medical services
 ≠ DRG for stationary services (overnight stay in hospital)
- National tariff replaced 24 regional tariffs in 2004: a long lasting project which began in 1990
- Tarmed: a very detailed tariff (2000 pages, 4600 items) fee-for-service and no flat rates
- Medical services invoiced on the basis of Tarmed amount to €10 billion so far

Main questions



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- 1. Are the goals for Tarmed achieved?
- 2. Do the tariffs cover the effective costs?
- 3. Are necessary adjustments made timely?
- 4. Should federal authorities be more active in the maintenance of the tariff?

Dokument

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2. Understanding a tariff

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Structure of the tariff

Second, consider the tariff catalogue...

«Consultation» – a central item



Technical

services

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Interpretation

Beinhaltet alle ärztlichen Leistungen, die der Facharzt in seiner Praxis oder der Arzt bei ambulanten Patienten im Spital ohne oder mit einfachen Hilfsmitteln (etwa Inhalt 'Besuchskoffer') am Patienten hinsichtlich der Beschwerden und Erscheinungen erbringt, derentwegen dieser zum Facharzt kommt, bzw. gebracht wird und hinsichtlich der Beschwerden und Erscheinungen, die während der gleichen Behandlungsdauer auftreten.

Beinhaltet Begrüssung, Verabschiedung, nicht besonders tarifierte Besprechungen und Untersuchungen, nicht besonders tarifierte Verrichtungen (z.B.: bestimmte Injektionen, Verbände usw.), Begleitung zu und Übergabe (inkl. Anordnungen) an Hilfspersonal betreffend Administration, technische und kurative Leistungen, Medikamentenabgabe (in Notfallsituation u/o als Starterabgabe), auf Konsultation bezogene unmittelbar vorgängige/anschliessende Akteneinsicht/Akteneinträge.

Regeln Alter: -Menge: max. 1 mal pro Sitzung -Seite: -Gesetz: -Nicht kumulierbar mit: <u>(00.0060)</u>, <u>(00.0110)</u>, <u>(02.0010)</u>, <u>(02.0020)</u>, <u>(02.0030)</u>, <u>(02.0040)</u>, <u>(02.0050)</u>, <u>(08.0500)</u>, <u>[LG-12]</u>.

Mögliche Zuschlagsleistungen: (00.0020), (00.0030), (00.0040).

Leistungsgruppen: [LG-18], [LG-58].

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References of the tariff

Third, consider the tariff structure:

Is it logical? Are the values of the references up-to-date?

AL: Physician's services

- Reference earnings
- Annual working hours
- Dignity (years of study)
- Productivity
- Assistance



- Local
- Use rate
- Interest rate
- Amortization
- Material, drugs
- Maintenance
- Interest on own capital
- Payroll
- Other fixed or variable costs

Cost per minute x time x value of tariff point = price of services

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Testing the references...

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Understanding the importance of each single reference

With Excel...

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Use of the tariff

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Fourth, consider the use of the tariff: How do physicians invoice their services?

Bill for a consultation to determine myopia...

A mix of ~10 positions (time, service and items)

Not all physicians charge the same way

EMPIRISCHE ZUSAMMENSETZUNG DER SITZUNGEN MIT TRIGGERPOSITION REFRAKTIONS-BESTIMMUNGEN 08.0040 IN OPHTHALMOLOGISCHEN PRAXEN KANTON BERN

Position	Bezeichnung	Empirisch CHF	TARMED CHF	Gewicht
00.0010	Konsultation, erste 5 Min.	15.09	15.27	0.99
00.0020	+ Konsultation, weitere 5 Min.	1.83	15.27	0.12
00.0030	+ Konsultation, letzte 5 Min.	3.70	7.64	0.48
08.0040	Refraktionsbestimmung, subjektiv	46.59	46.45	1.00
08.0050	+ Erweiterte Refraktionsbestimmung	10.18	30.97	0.33
08.0090	Prüfung des Binokularsehens durch den Facharzt	0.92	19.36	0.05
08.0220	Applanationstonometrie	22.47	30.97	0.73
08.1230	Spaltlampenuntersuchung der vorderen	10.55	11.61	0.91
08.3010	Biomikroskopie des zentralen Fundus	11.22	19.36	0.58
08.3020	+ Zuschlag für eingehende Untersuchung	2.90	11.61	0.25
Gesamt		125.45		



The way the tariff is adopted

Fifth, consider how the tariff is applied: Decision-making competence, involving all actors

- Four partners elaborate and update the tariff:
 - private health insurers
 - physicians
 - hospitals
 - social insurances
 - A small private outfit in charge of administration
- The federal government must approve the tariff

 to get reimbursed, a medical service needs to be «effective, appropriate and economical»

3. Choosing the best methods...

Five methods

- 1. Expert Interviews (60!)
- 2. Document analysis
- 3. Process analysis
- 4. Case-studies, mandated (11)
- Statistical time series analysis (development of general ambulatory health and case study's costs)
- 6. Comparison with former regional tariffs

Working with a support group of stakeholders



Defining the case studies...

Tarmed: 4600 tariff items and 17 types of physicians – how define the 11 case studies?

Criteria for the choice of medical specialties

- Mix of technical and intellectual services
- High- / low-income
- Sufficient number of physicians
- Four social insurance schemes

Selected: general practitioners, ophthalmologists, gynecologists, otolaryngologists (ORL)

Choosing the case studies...

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Criteria for selected cases

- Proposed by the stakeholders, both physicians and private insurers
- Service package not just a single tariff position
- Before/after comparison possible
- Financial importance
- Helpful in answering our questions

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Selected cases and findings

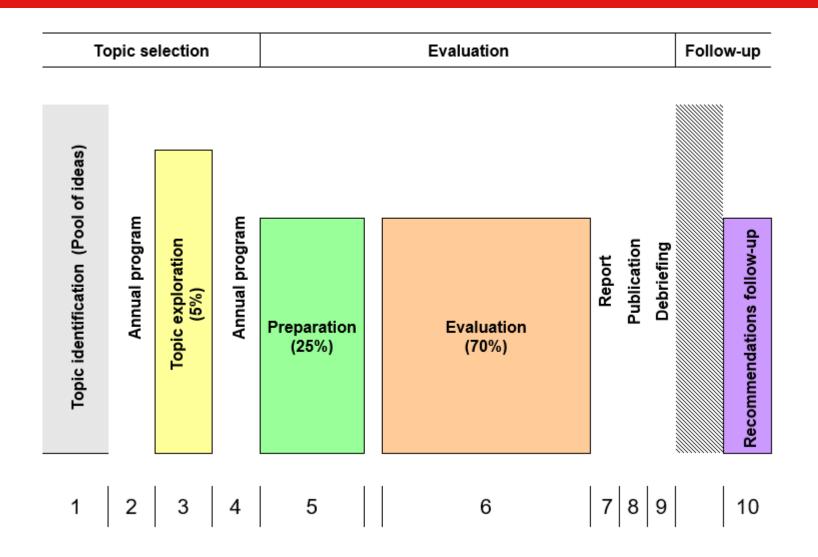
	General practitioners	Ophthalmology	Gynecology	ORL
Consultation	Consultation + n (for regular working			
Consultation (+)	2 Consultation with emergency and inconvenience flat rates (10 min.)	5 Consultation with refraction determi- nation (subjective) = myopia	8 Examination by specialist in gynecology and obstetrics	
Consultation + technical service	3 Consultation with ECG	6 Consultation with tonometry (pressure measurement)	9 Second ultrasound examination in pregnancy	11 First hearing aid expertise
«Intervention»	4 25 minutes visit with a ride of 2x5 minutes	7 Cataract surgery	10 Curettage with hysteroscopy	

Rather too low – blue Reasonable – green Rather too high – red No Rating possible – gray

4. Project management

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Project management



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Not a standard project Planning is not easy...

T	opic se	election			Evaluation		Follow-up
Topic identification (Pool of ideas)	Annual program	Topic exploration (5%)	Annual program	Preparation (25%)	Evaluation (70%)	Report Publication Debriefing	Recommendations follow-up
1	2	3	4	5	6	7 8 9	10

Prepa	aration	Evaluation				
Budgeted	spent	budgeted	spent			
90 days (Norm SFAO: 50)	161 days	330 days (Norm SFAO: 200)	564 days			

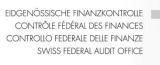
Working with an external expert (case studies)

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5. Results : the tariff itself

- Tarmed is as complicated as some Swiss watches...
- ...but it is logical and precise
- Some references are not transparent (i.e. time required for a service)
- The reference values are very old (1995)
- Huge room for maneuver for physicians
- The bills are incomprehensible to an average citizen





Way of adoption

Blocked update and revision

- No consensus among negotiating partners, therefore only minor revisions
- Difficult to add new medical techniques to the catalogue, therefore billing by analogy is allowed!
- Insurers are blocking little interest in finding solutions
- Swiss medical federation cannot impose tariff reductions onto their different members
- Very formal approval procedure at the federal government

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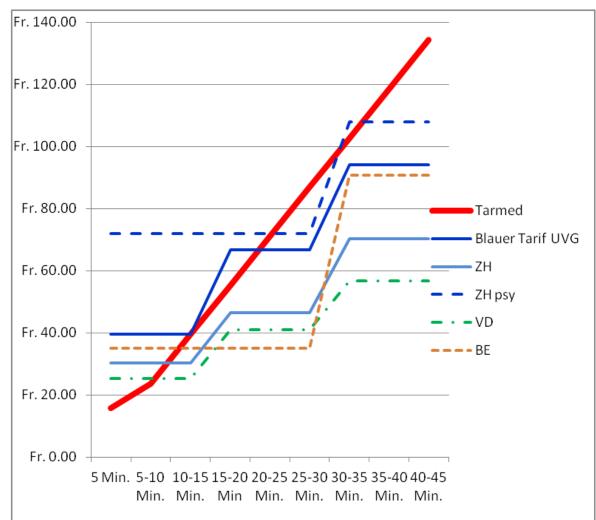
Results : before - after

Comparison with old tariffs (consultations)

Goal of financial upgrading of medical services in comparison with technical services:

Not really achieved, with the exception of psychiatry.

While longer consultations are remunerated slightly better than in the past, the income differences between technical specialists and basic suppliers is increasing rather than decreasing.

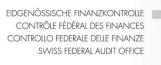




Six recommendations

- 1. Establish useful and appropriate criteria for tariff revision
- 2. Change law towards granting the government more competence when partners disagree *
- **3**. Prohibit synonymous tariff positions (billing by analogy)
- 4. Observation status to the Swiss price regulator in Tarmed Committee
- 5. Establish concept for analyzing and monitoring available data*
- 6. Make billing more transparent to citizens

* Implemented. The higher competences have since proven very important in solving serious issues concerning the tariff.



6. Conclusions

- Complexity
 - => focusing on topic
 - => working with case studies
 - => combining different methods
 - => ev. work with experts
- Special difficulty in Switzerland due to the extensive competences for private actors (access to data, weak support from Federal health agency etc.)
- Medical tariffs are an important topic for SAI!
- Potential for international comparisons (Parallel Evaluations!)